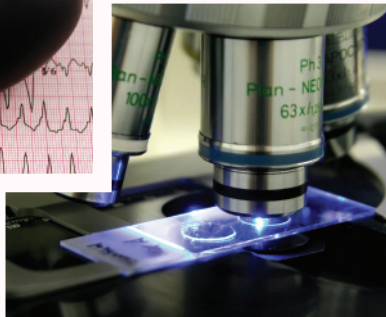


Celebrating
Faculty Creative Works
2012



THE UNIVERSITY OF TEXAS AT ARLINGTON

Dedication

Celebrating Faculty Creative Works 2012 is dedicated to President James D. Spaniolo for his years of service to UT Arlington. The University would not be on the road to achieving Tier One status without President Spaniolo's steady guidance and leadership. Everyone associated with *Celebrating Faculty Works 2012* extends our sincere thanks and best wishes to President Spaniolo.



The University of Texas at Arlington Library and the Office of the Provost are pleased to host the fourth Celebration of Faculty Creative Works, an exhibition that showcases the articles, books, art, music, media, patents, and conference activities made by UT Arlington faculty in 2012, as well as outside awards and honors received.

The event was initiated by the Library to celebrate the depth and breadth of scholarship and creativity that takes place on campus and to strengthen ties within the campus community. It complements the University's tradition of sharing information about faculty expertise across disciplines, which is exemplified by the Library-sponsored Focus on Faculty Speakers' Series that began in 2000. As the intellectual and creative center of campus, the Library is an appropriate partner to promote new information and new knowledge.

As UT Arlington continues on a path to become a national research university, it is critically important that the intellectual and creative accomplishments of our faculty are celebrated. Expanding the boundaries of knowledge is the stock-in-trade of what goes on at a research university. We want to acknowledge the productivity and distinction of our faculty and honor their accomplishments.

We congratulate the individuals whose work is represented in these pages and in the exhibit. The work is diverse, compelling, and groundbreaking.

Ronald L. Elsenbaumer, *Provost and Vice President for Academic Affairs*
Rebecca Bichel, *Dean of the Library*

Table of Contents

Acknowledgements.....	1
School of Architecture.....	4
College of Business	5
College of Education and Health Professions	10
College of Engineering.....	14
College of Liberal Arts	44
College of Nursing.....	53
College of Science	57
School of Social Work	73
School of Urban and Public Affairs.....	77
UT Arlington Library.....	78
Endowed Chairs.....	80
Index.....	81

SCHOOL OF ARCHITECTURE

School of Architecture - Dr. Donald F. Gatzke, Dean

Bell, Brad. (2012). *AIA Houston Design Award 2012 Award*

Bell, Brad. (2012). APPLIED: Research Through Fabrication Exhibition. (October 10th-October 18). San Francisco, CA Exhibition

Bell, Brad. (2012). Parametric pre-cast concrete panel system. *Synthetic digital ecologies. Association for Computer Aided Design in Architecture. (ACADIA)*. October 18-21, 2012. San Francisco, CA. 231-238. Conference Proceedings

Bell, Brad. (2012). TOPOCAST Creative Work. (June 1st to August 27th). Dallas, TX Exhibition

Figueroa, Norma I. (2012). The advertisement media and female architects in Puerto Rico during the 1960s. *Journal of Research on Women and Gender Studies*, 5(Special Issue), 44-60. Journal Article

Figueroa, Norma I. A case of mistaken identity: Changes in society's perception of female architects in Puerto Rico. Published in the competition catalogue of the AIA-Texas Express Yourself Competition. (2012). (September 5-10, 2012). Dallas, TX Artwork

Figueroa, Norma I. (2012). Hard hats and aprons: Pioneering female architects portrayed by the press in Puerto Rico. *Architectural Theory Review*, 17(2/3 - Special issue: Women, practice, architecture), 260-279. doi:10.1080/13264826.2012.730124 Journal Article

Figueroa, Norma I. Untitled (ceramic wall piece). Included in the juried exhibition "Art Texas 2012" sponsored by the Assistance League of Houston (2012). (January 12, 2012). Houston, TX Artwork

Holliday, Kathryn (Kate). *Columns Magazine*, Editorial Board

Holliday, Kathryn (Kate). *Journal of Architectural Education*, Editorial Board

Holliday, Kathryn (Kate). (2012) "News Paper Spires" Guest curator for section on Eidlitz McKenzie's New York Times Tower. (February 29-July 15). New York, NY Exhibition

Holliday, Kathryn (Kate). (2012). *Ralph Walker: Architect of the century* Book, Whole

Hopman, David D., et al. (2012). Using regionalism as a central organizing focus for research and education. *Council of Educators in Landscape Architecture Annual Meeting*. March 28-31, 2012. Champaign, IL. Conference Proceedings

Klahr, Douglas M. (2012). Sustainability for everyone: Trespassing disciplinary boundaries. In Kirsten Bartels, & Kelly Parker (Eds.), *Teaching sustainability/teaching sustainably* (pp. 19-30) Book, Section

Mehta, Madan L., et al. (Accepted). *Building construction: Principles, materials and systems* (2nd ed.) Book, Whole

Ozdil, Taner R. *Balkan Environmental Association Conference*, Scientific Review Committee

Ozdil, Taner R. (2012). Building a bridge between theory and practice one project at a time: Lessons learned from collaborative design studios in North Texas. *Council of Educators in Landscape Architecture (CELA-2012)*. March 28-31, 2012. Champaign, IL. Conference Proceedings

Ozdil, Taner R. *Council of Educators in Landscape Architecture*, Conference Reviewer

Ozdil, Taner R. *Digital Landscape Architecture*, Conference Reviewer

Ozdil, Taner R. *Environmental Design Research Association*, Conference Reviewer

Ozdil, Taner R. *European Council of Landscape Architecture Schools Conference*, Scientific Committee Member and Conference Reviewer

Ozdil, Taner R., et al. (2012). Evaluating the design and planning impact of Arlington Urban Design Center, Texas: Client's perspective. *Council of Educators in Landscape Architecture (CELA-2012)*. March 28-31, 2012. Champaign, IL. Conference Proceedings

Ozdil, Taner R. *Journal of Architectural and Planning Research*, Editorial Board

Ozdil, Taner R. (2012). Searching for value creation indicators and mixed-use environments in North Texas. *Environmental Design Research Association (EDRA 43)*. May 30-June 2, 2012. Seattle, WA. Conference Proceedings

Ozdil, Taner R., et al. (2012). The Texas ASLA Chapter Award archive: A quarter century of design excellence and legacy". *American Society of Landscape Architects Annual Meeting and Expo. President's Council. Representing the ASLA National Archives and Collections Committee*. October 1, 2012. Phoenix, AZ. Conference Proceedings

Ozdil, Taner R., et al. Taylor, P. (2012). *Transit oriented development research*. doi: http://www.nctcog.org/trans/sustdev/landuse/funding/UTA_TOD.pdf Prepared by The University of Texas at Arlington for NCTCOG University Partnership Program.Report

Ozdil, Taner R., et al. (2012). Using regionalism as a central organizing focus for research and education. *Council of Educators in Landscape Architecture (CELA-2012)*. March 28-31, 2012. Champaign, IL. Conference Proceedings

Ozdil, Taner R., et al. (2012). Vision North Texas and the North Texas 2050: Landscape architects' roles in building a sustainable future. *American Society of Landscape Architects Texas Chapter Conference*. April 5-6, 2012. Grapevine, TX. Conference Proceedings

College of Business - Dr. Rachel Croson, Dean

Accounting – Dr. Chandra Subramaniam, Chair

Brewster, Billy, et al. (2012). Comparing auditor versus non-auditor assessments of auditor liability: An experimental investigation of experts' versus lay evaluators' judgments. *Auditing: A Journal of Practice & Theory*, 31(3), 125-148. Journal Article

Efendi, Jap, *Issues in Accounting Education*, Editorial Board

Efendi, Jap. *Journal Akuntanst dan Keuangan* (Journal of Accounting and Finance), Editorial Board

Hall, Bethane Pierce, et al. (2012). Monetary-unit sampling with systematic selection: Are sampling risk assessments reliable? *American Accounting Association Annual Meeting*. August 4–8, 2012. Washington, D.C. Conference Proceedings

Hall, Thomas W., et al. (2012). Monetary-unit sampling with systematic selection: Are sampling risk assessments reliable? *American Accounting Association Annual Meeting*. August 4–8, 2012. Washington, D.C. Conference Proceedings

Ho, Li Chin Jennifer. *International Journal of Accounting Studies*, Editorial Board

Ho, Li-Chin Jennifer. *Journal of Contemporary Accounting*, Editorial Board

Ho, Li-Chin Jennifer. *Review of Accounting and Finance*, Associate Editor and Editorial Board

Ho, Li-Chin Jennifer. *Taiwan Accounting Review*, Editorial Board

Srinidhi, Bin. *Journal of Contemporary Accounting and Economics*, Co-Editor

COLLEGE OF BUSINESS

Economics – Dr. Roger Meiners, Chair

- Amacher, Ryan.** (2012). *A baby boomer's guide to their second sixties*. Book
- Crowder, William.** (2012). The liquidity effect: Evidence from the U.S. *Economics Letters*, 117(1), 315-317. Journal Article
- Isengildina-Massa, Olga,** et al. (2012). Comprehensive evaluation of USDA cotton forecasts. *Journal of Agricultural and Resource Economics*, 37(1), 98-113. Journal Article
- Meiners, Roger,** et al. (2012). *False promise of green energy* Book
- Meiners, Roger, et al. (2012). *Legal environment of business* (11th ed.) Book
- Meiners, Roger. (2012). *Silent spring at 50: The false crises of Rachel Carson* Book
- Miller, Roger Leroy.** (2012). *Economics today* (16th ed.) Book
- Skantz, Terrance.** (2012). CEO pay, managerial power, and SFAS 123(R). *Accounting Review*, 87(6), 2151-2179. Journal Article
- Spivey, Chirsty,** et al. (2012). Inequality and crime: Evidence from Russia's regions. *Applied Economics Letters*, 19(17), 1667-1671. Journal Article
- Srinidhi, Bin,** et al. (2012). The effect of Arthur Andersen's demise on clients' audit fees and auditor conservatism: International evidence. *Journal of International Financial Management & Accounting*, 23(3), 208-244. Journal Article
- Subramaniam, Chandra,** et al. (2012). The effect of executive option repricing on managerial risk-taking. *Journal of the Academy of Accounting and Financial Studies*, 16(3), 93-118. Journal Article
- Subramaniam, Chandra, et al. (2012). Mandated recognition of employee stock option expense: The case of Canada. *Journal of International Financial Management & Accounting*, 23(1), 62-91. doi: 10.1111/j.1467-646X.2011.01054.x Journal Article
- Ward, Michael R.** (2012). Learning to surf: Spillovers in the adoption of the Internet. *Technological Forecasting and Social Change*, 79(8), 1474-1483. Journal Article

- Ward, Michael R. et al. (2012). Mobile and fixed substitution for telephone service in China. *Telecommunications Policy*, 36(4), 301-310. Journal Article
- Wunder, Timothy.** (2012). Income distribution and consumption driven growth: How consumption behaviors of the top two income quintiles help to explain the economy. *Journal of Economic Issues*, 46(1), 173-173. Journal Article
- Yasar, Mahmut,** et al. (2012). Bilateral trade impacts of temporary foreign visitor policy. *Review of World Economics*, 148(3), 501-521. Journal Article
- Yasar, Mahmut, et al. (2012). Firm performance and knowledge spillovers from academic, industrial and foreign linkages: The case of China. *Journal of Productivity Analysis*, 38(3), 237-253. Journal Article
- Yasar, Mahmut, et al. (2012). Sending Vietnamese rice farmers back to school: Further evidence on the impacts of farmer field schools. *Canadian Journal of Agricultural Economics-Revue Canadienne d'Agroeconomie*, 60(3), 407-426. Journal Article

Finance and Real Estate – Dr. J. David Diltz, Chair

- Hayunga, Darren K.,** et al. (2012). Club good influence on residential transaction prices. *Journal of Real Estate Research*, 34(4), 549-576. Journal Article
- Hayunga, Darren K., et al. (2012). Derivatives traders' reaction to mispricing in the underlying equity. *Journal of Banking and Finance*, 36(9), 2438-2454. Journal Article
- Sarkar, Salil,** et al. (2012). Forbes platinum 400 lists for the best big companies: Are they good investments? *European Journal of Economics, Finance and Administrative Sciences*, 47, 57-68. Journal Article
- Swanson, Peggy.** *International Journal of Finance*, Associate Editor
- Swanson, Peggy. *Journal of Business and Economic Perspectives*, Editorial Board

Information Systems and Operations Management – Dr. Greg Frazier, Chair

- Cannon Alan R.**, et al. (2012). Linking servicescape to customer satisfaction: Exploring the role of competitive strategy. *International Journal of Operations Production Management*, 32(7), 772-795. Journal Article
- Nerur, Sridhar Panchapake**, et al. (2012). A decade of agile methodologies: Towards explaining agile software development. *Journal of Systems and Software*, 85(6), 1213-1221. Journal Article
- Sikora, Riyaz**, et al. (2012). Estimating sequential bias in online reviews: A Kalman filtering approach. *Knowledge-Based Systems*, 27, 314-321. Journal Article
- Teng, James T. C.**, et al. (2012). Extended conceptualisation of perceived usefulness: Empirical test in the context of information system use continuance. *Behaviour & Information Technology*, 31(5), 525-540. Journal Article
- Teng, James T. C., et al. (2012). Information systems use: Construct conceptualization and scale development. *Computers in Human Behavior*, 28(5), 1564-1574. Journal Article
- Teng, James T. C., et al. (2012). IT impacts in information and physical product industries. *Journal of Computer Information Systems*, 53(1), 65-71. Journal Article
- Teng, James T. C., et al. (2012). The resource-based view of IT business value: Complementary investments or embedded knowledge? *Journal of Information & Knowledge Management*, 11(1), 1250005-1-1250005-13. Journal Article
- Teng, James T. C., et al. (2012). The roles of IT in physical and information product industries: Testing a contingency model of the IT-productivity relationship. *Journal of Information Technology Management*, 23(2), 1-16. Journal Article
- Teng, James T. C., et al. (2012). Types of human needs that motivate knowledge sharing in organizations: A comprehensive empirical study based on the ERG theory. *Journal of Information Technology Management*, 23(3), 65. Journal Article
- Teng, James T. C., et al. (2012). A unified model of knowledge sharing behaviours: Theoretical development and empirical test. *Behaviour & Information Technology*, 31(11), 1097-1115. Journal Article
- Wang, Jingguo**, et al. (2012). An exploration of risk information search via a search engine: Queries and clicks in healthcare and information security. *Decision Support Systems*, 52(2), 395-405. Journal Article
- Wang, Jingguo, et al. (2012). Functionality defense through diversity: A design framework to multitier systems. *Annals of Operations Research*, 197, 25-45. Journal Article
- Wang, Jingguo, et al. (2012). Same coin, different sides: Differential impacts of social learning on two facets of music piracy. *Journal of Management Information Systems*, 28(3), 343-384. Journal Article
- Wang, Jingguo, et al. (2012). Security services as coping mechanisms: An investigation into user intention to adopt an email authentication service. *Information Systems Journal*, doi: 10.1111/j.1365-2575.2012.00420.x. Journal Article

COLLEGE OF BUSINESS

Management – Dr. Abdul A. Rasheed, Chair

Bell, Myrtle P. *Academy of Management Learning and Education*, Editorial Board

Bell, Myrtle P. *British Journal of Management*, Editorial Board

Bell, Myrtle P., et al. (2012). The devil without and within: A conceptual model of social cognitive processes whereby discrimination leads stigmatized minorities to become discouraged workers. *Journal of Organizational Behavior*, 33(6), 840-862. doi:10.1002/job.1795 Journal Article

Bell, Myrtle P. (2012). *Diversity in organizations* (2nd ed.) Book

Bell, Myrtle P., et al. (2012). Expatriates: Gender, race, and class distinctions in international management. *Gender, Work and Organization*, 19(1), 10-28. doi: 10.1111/j.1468- 0432.2011.00577.x Journal Article

Bell, Myrtle P., et al. (2012). Inequality in organizations: Stereotyping, discrimination, and labor law exclusions. *Equality, Diversity and Inclusion*, 31(3), 236-248. doi: 10.1108/02610151211209090 Journal Article

Bell, Myrtle P. *Journal of Management, Spirituality, and Religion*, Editorial Board

Butts, Marcus M. *Journal of Management*, Editorial Board

Casper, Wendy J., *Applied Psychology: An International Review*, Associate Editor

Casper, Wendy J., et al. (2012). How does firm reputation in human resource policies influence college students? The mechanisms underlying job pursuit intentions. *Human Resource Management*, 51, 121-142. Journal Article

Casper, Wendy J. *Journal of Business and Psychology*, Editorial Board

Casper, Wendy J. *Journal of Vocational Behavior*, Editorial Board

Casper, Wendy J. et al. (2012). A new layer to inclusion: Creating singles-friendly work environments. In M. J. Sirgy, N. P. Reilly & C. A. Gorman (Eds.), *Handbook of ethics and employee well-being, Vol. VII*. (pp. 217-237) Book Chapter

Datta, Deepak K. *British Journal of Management*, Editorial Board

Datta, Deepak K. *Journal of International Management*, Editorial Board

Datta, Deepak K. *Journal of Management Studies*, Editorial Board

Datta, Deepak K. *Management International Review*, Editorial Board

Khavul, Susanna, et al. (2012). Does it travel? The effects of pre-internationalization experience on post-entry organizational learning in entrepreneurial Chinese firms. *Journal of International Entrepreneurship*, 10(3), 232-254. Journal Article

Khavul, Susanna. *Entrepreneurship Theory and Practice*, Editorial Board

Khavul, Susanna. *Entrepreneurship Theory and Practice, Special Issue (Seeding Entrepreneurship with Microfinance)*, Guest Editor

Khavul, Susanna, et al. (Advance Online). Harnessing innovation for change: Sustainability and poverty in developing countries. *Journal of Management Studies*, doi: 10.1111/j.1467-6486.2012.01067.x Journal Article

Khavul, Susanna. *Journal of Business Venturing*, Editorial Board

Khavul, Susanna. *Journal of Small Business Management*, Editorial Board

Khavul, Susanna, et al. (2012). Responsiveness of entrepreneurial new ventures internationalizing from core emerging markets. *International Journal of Operations and Production Management*, 32(9). Journal Article

Lavelle, James J., et al. (2012). The auditor-audit firm relationship and its effect on burnout and turnover intention. *Accounting Horizons*, 26(4), 707-723. Journal Article

Lavelle, James J. *Journal of Conflict Management*, Editorial Board

Lavelle, James J. *Journal of Organizational Behavior*, Editorial Board

McFadyen, Ann, et al. (2012). The temporal effects of RD investments on company performance. *Journal of Product Innovation Management*, 29(2), 193-204. Journal Article

Quick, James Campbell, *Applied Psychology*, Editorial Consultant

Quick, James Campbell, *British Journal of Management*, Editorial Board

Quick, James Campbell, *Cambridge Companions to Management*, Advisory Board

Quick, James Campbell, et al. (2012). *Downsizing: Is less still more?* Book

Quick, James Campbell, *Journal of Leadership and Organizational Studies*, Editorial Board

Quick, James Campbell, *Leadership and Organizational Development Journal*, Editorial Board

- Quick, James Campbell, et al. (2012). *Live your dreams, change the world: The psychology of personal fulfillment for women* Book
- Quick, James Campbell. *Organizational Dynamics*, Editorial Board
- Quick, James Campbell, (2012). *Preventive stress management in organizations* Book
- Quick, James Campbell, *Stress and Health*, Editorial Board
- Quick, James Campbell, et al. (Eds.). (2012). *To downsize human capital: A strategic human resource perspective on the disparate outcomes of downsizing*. Book Editor
- Rasheed, Abdul A.** et al. (2012). Beyond product markets: New insights on liability of foreignness from capital markets. *Journal of International Business Studies*, 43(2), 107-122. Journal Article
- Rasheed, Abdul A. et al. (Eds.). (2012). *The convergence of corporate governance: Promise and prospects*. Book Editor
- Rasheed, Abdul A. et al. (2012). Foreign IPO capital market choice: Understanding the institutional fit of corporate governance. *Strategic Management Journal*, 33(8), 914-937. Journal Article
- Rasheed, Abdul A. *Great Lakes Herald*, Editorial Board
- Rasheed, Abdul A. *Group and Organizational Management*, Editorial Board
- Rasheed, Abdul A. *IIMB Management Review*, Editorial Board
- Rasheed, Abdul A. *International Journal of Strategic Business Alliances*, Editorial Board
- Rasheed, Abdul A. *Issues in Social and Environmental Accounting (Indonesian Center for Social and Environmental Accounting Research and Development)*, Editorial Board
- Rasheed, Abdul A. *Management Research Review*, Editorial Board
- Rasheed, Abdul A. *South Asian Journal of Global Business Research*, Editorial Board
- Yuan, Feirong**, *Journal of Applied Behavioral Science*, Editorial Board
- Jaramillo, Fernando**, et al. (2012). Perceived barriers to career advancement and organizational commitment in sales. *Journal of Business Research*, 65(7), 937-943. Journal Article
- Khare, Adwait**, et al. (2012). Measuring consumers' local-global identity with a short 8-item scale. *International Journal for Research in Marketing*, 29(1), 35-42. Journal Article
- Luo, Xueming**, et al. (2012). Does advertising spending really work? The intermediate role of analysts in the impact of advertising on firm value. *Journal of the Academy of Marketing Science*, 40(4), 605-624. Journal Article
- Luo, Xueming, et al. (2012). Incentivizing CEOs to build customer-and employee-firm relations for higher customer satisfaction and firm value. *Journal of the Academy of Marketing Science*, 40(6), 745-758. Journal Article
- McDaniel, Carl D.** (2012). *Marketing research* (9th ed.) Book
- Khare, Adwait**, et al. (2012). An investigation of affect of service using a LIBQUAL+ TM survey and an experimental study. *Journal of Academic Librarianship*, 38(3), 153-160. Journal Article
- Yang, Zhiyong**, et al. (Accepted). Advancing a participatory approach for youth risk behavior: Foundations, distinctions, and research directions. *Journal of Business Research*, doi: 10.1016/j.jbusres.2012.08.017 Journal Article
- Yang, Zhiyong, et al. (Accepted). Demarketing teen tobacco and alcohol use: Negative peer influence and longitudinal roles of parenting and self-esteem. *Journal of Business Research*, 66(4), 559-567. doi: 10.1016/j.jbusres.2012.01.004. Journal Article
- Zhang, Jie**, et al. (2012). An analysis of internet retailers' pricing strategy for products and shipping services. *Decision Support Systems*, 52(2), 368-380. Journal Article
- Zhang, Jie, et al. (2012). Introduction to the special issue on information issues in supply chain and in service system design. *Decision Support Systems*, 53(2), 267-268. doi: 10.1016/j.dss.2012.01.004 Journal Article
- Zhang, Jie, et al. (2012). Pricing for shipping services of online retailers: Analytical and empirical approaches. *Decision Support Systems*, 53(2), 368-380. Journal Article

Marketing –

Dr. Fernando Jaramillo, Interim Chair

Briggs, Elten D., et al. (2012). Perceived barriers to career advancement and organizational commitment in sales. *Journal of Business Research*, 65(7), 937-943. Journal Article

COLLEGE OF EDUCATION AND HEALTH PROFESSIONS

College of Education and Health Professions - Dr. Jeanne Marcum Gerlach, Dean

Curriculum and Instruction – Dr. John A. Smith, Chair

- Amaro-Jiménez, Carla**, et al. (2012). Getting the elephant out of the room: Teachers and administrators' perceptions of the challenges and future of bilingual education. *Journal of Bilingual Education Research Instruction*, 14(1), 50-66. Journal Article
- Amaro-Jiménez, Carla. (2012). Rewards and challenges of authoring videos: Pre-service teachers' experiences in a course for teaching culturally and linguistically diverse learners. *Society for Information Technology Teacher Education International Conference*. Conference Proceedings
- Amaro-Jiménez, Carla. (2012). Service learning: Preparing teachers to better understand culturally and linguistically diverse learners. *Journal of Education for Teaching*, 38(2), 211-213. doi: 10.1080/02607476.2012.656448
Journal Article
- Amaro-Jiménez, Carla, et al. (2012). TESL professionals' virtual treasure box: Motivations and applications for online asynchronous discussions. In Qiuyun Lin (Ed.), *Advancement in online education: Exploring the best practices*. (pp. 101-121) Book Chapter
- Amaro-Jiménez, Carla, et al. (2012). Urban-schooled Latina/os, academic literacies, and identities: (Re)Conceptualizing college readiness. *GSE Perspectives on Urban Education*, 9(2), 1-14. Journal Article
- Arrowood, Dana R.**, et al. (2012). In-service teachers self-report of technology competence: Effects of implementation of technology activities during a case study. *Society for Information Technology Teacher Education International Conference*. Conference Proceedings
- Ausbrooks, Carrie Y.**, et al. (2012). The tempering effect of schools on students experiencing a life-changing event: Teenagers and the Hurricane Katrina evacuation. *Urban Education*, 47(1), 731. Journal Article
- Cavallo, Ann M.L.**, *Journal of Elementary Science Education*, Editorial Board
- Cavallo, Ann M.L., et al. (2012). Domain IV: Science. In Peggy L. Semingson, & Ann M. L. Cavallo (Eds.), *TEXES generalist for grades 4-8 (111)*. (pp. 272-338) Book Chapter
- Cavallo, Ann M.L., et al. (Eds.). (2013). *TEXES Texas examinations of educator standards, generalist 4-8 (111)* Book Editor
- Collins, Denise**, et al. (2012). Assessing student teaching experiences: Perceptions of teacher candidates' preparedness. *American Educational Research Association Annual Meeting*. April 13-17, 2012. Vancouver, British Columbia, Canada. Conference Proceedings
- Collins, Denise, et al. (2012). Does student teaching matter? Investigating teacher candidates' sense of teaching efficacy. *American Educational Research Association Annual Meeting*. April 13-17, 2012. Vancouver. British Columbia, Canada. Conference Proceedings
- Daza, Stephanie Lynn**. (2012). Complicity as complexity: The (im)possibilities of research with/in NSF Engineering Grants in the age of neoliberal scientism. *Qualitative Inquiry*, Journal Article
- Daza, Stephanie Lynn. (2012). The non-innocence of recognition: Subjects and agency in education. In R. S. Coloma (Ed.), *The postcolonial challenge in education*. (pp. 326-343) Book Chapter
- Hungerford-Kresser, Holly**. (2012). Addressing college readiness standards in the ELA methods course through teacher reflection. *English Leadership Quarterly*, 35(1), 13-14. Journal Article
- Hungerford-Kresser, Holly, et al. (2013). Portraits of practice: A cross-case analysis of two first-grade teachers and their grouping practice. *Research in the Teaching of English*, 47(3), 277-312. Journal Article
- Hungerford-Kresser, Holly, et al. (2012). Positioning and discourses of urban education: A Latino student's university experience. *The Urban Review*, 44(2), 219-239. doi: 10.1007/s11256-011-0193-y Journal Article
- Hungerford-Kresser, Holly, et al. (2012). Urban-schooled Latina/os, academic literacies and identities: (Re)Conceptualizing college readiness. *GSE Perspectives in Urban Education*, 9(2), 1-14. Journal Article

COLLEGE OF EDUCATION AND HEALTH PROFESSIONS

- Malaia, Evguenia**, et al. (2012). Degree modification and intensification in American Sign Language adjectives. In M. Aloni, V. Kimmelman & F. Roelofsen (Eds.), *Logic, language and meaning* (pp. 92-101) Book Chapter
- Malaia, Evguenia, et al. (2012). Down the garden path in EEG: Telicity effects on thematic role re-assignment in relative clauses with transitive verbs. *Journal of Psycholinguistic Research*, 41(5), 323-345. Journal Article
- Malaia, Evguenia, et al. (2012). Event segmentation in a visual language: Neural bases of processing American Sign Language predicates. *Neuroimage*, 59(4), 4094-4101. Journal Article
- Malaia, Evguenia, et al. (2012). Motion capture signatures of telic and atelic events in ASL predicates. *Language and Speech*, 55(3), 407-421. Journal Article
- Malaia, Evguenia, et al. (2012). Telicity expression in visual modality. In L. McNally, & V. Delmonte (Eds.), *Telicity, change, and state: A cross-categorical view of event structure*. (pp. 122-138) Book Chapter
- Malaia, Evguenia, et al. (2012). What sign languages show: Neurobiological bases of visual phonology. In A.M. Di Sciullo (Ed.), *Towards a bio-linguistic understanding of grammar: Essays on interfaces* (pp. 265-275) Book Chapter
- Martin, Leisa A.** (2012). Blind patriotism or active citizenship? How do students interpret the Pledge of Allegiance? *Action in Teacher Education*, 34(1), 55-64. Journal Article
- Martin, Leisa A., et al. (2012). Infusing technology into citizenship education. *Middle Ground*, 16(1), 31. Journal Article
- Martin, Leisa A., et al. (2012). Preparing students for global citizenship in the 21st century: Integrating civic literacy and social justice through literature. *The Social Studies*, 103(4), 1-7. Journal Article
- Martin, Leisa A., et al. (2012). Using citizenship education, adolescence literature, and service-learning to promote social justice. In J. Westover (Ed.), *Academic service-learning across disciplines: Models, outcomes, and assessment*. (pp. 195-204) Book Chapter
- Milson, Andrew J.**, et al. (2012). Around the world with geospatial technologies. *Social Education*, 76(2), 106-109. Journal Article
- Milson, Andrew J., et al. (Eds.). (2012). *International perspectives on teaching and learning with GIS in secondary schools* Book Editor
- Milson, Andrew J. *Journal of Geography*, Associate Editor
- Milson, Andrew J. (2013). *National Geographic world cultures and geography: GEO* Book
- Milson, Andrew J. *Readings in Educational Thought*, Co-Editor
- Milson, Andrew J., et al. (2012). Synthesis: The future landscape of GIS in secondary education. In Andrew J. Milson, & Ali Demirci (Eds.), *International perspectives on teaching and learning with GIS in secondary schools* (pp. 315-326) Book Chapter
- Milson, Andrew J., et al. (Eds.), United States of America: Rugged terrain and fertile ground for GIS in secondary schools. In Andrew J. Milson, & Ali Demirci (Eds.), *International perspectives on teaching and learning with GIS in secondary schools* (pp. 305-314) Book Chapter
- Milson, Andrew J., et al. (2012). The world at their fingertips: A new age for spatial thinking. In Andrew J. Milson, & J. J. Kerski (Eds.), *International perspectives on teaching and learning with GIS in secondary schools* (pp. 1-11) Book Chapter
- Pant, Mohan D.**, et al. (2012). Characterizing Tukey h and h-h distributions through L-moments and the L-correlation. *ISRN Applied Mathematics*, 2012 doi: 10.5402/2012/980153 Journal Article
- Pant, Mohan D., et al. (2012). A doubling method for the generalized lambda distributions. *ISRN Applied Mathematics*, 2012 doi: 10.5402/2012/725754 Journal Article
- Pant, Mohan D., et al. (2012). A L-moment based analog for the Schmeiser-Deutsch class of distributions. *ISRN Applied Mathematics*, 2012, 475781 (16 pages). doi: 10.5402/2012/475781 Journal Article
- Pant, Mohan D., et al. (2012). A logistic L-moment based analog for the Tukey g-h, g, h, and h-h system of distributions. *ISRN Probability and Statistics*, 2012 doi: 10.5402/2012/245986 Journal Article
- Pant, Mohan D., et al. (2012). A method for simulating non-normal distributions with specified L-skew, L-kurtosis, and L-correlation. *ISRN Applied Mathematics*, 2012 doi: 10.5402/2012/980827 Journal Article

COLLEGE OF EDUCATION AND HEALTH PROFESSIONS

- Pant, Mohan D., et al. (2012). On the order statistics of standard normal based power method distributions. *ISRN Applied Mathematics*, 2012 doi: 10.5402/2012/945627 Journal Article
- Pant, Mohan D., et al. (2012). Simulating non-normal distributions with specified L-moments and L-correlations. *Statistica Neerlandica*, 66(4), 422-441. doi: 10.1111/j.1467-9574.2012.00523.x Journal Article
- Pole, Kathryn**, et al. (2012). Growing up in Red China: Representation of the Chinese Cultural Revolution in children's picture books. *The Missouri Reader*, 20(2), 29-34, Journal Article
- Semingson, Peggy L.**, et al. (2012). Developing pre-service teachers' knowledge about phonics via video-based modules and discussion prompts. *Society for Information Technology & Teacher Education International Conference*. Chesapeake, VA. Chesapeake, VA. 2092-2097. Conference Proceedings
- Semingson, Peggy L. (2012). Domain I: English language arts and reading. In Peggy L. Semingson, & Ann M. L. Cavallo (Eds.), *TEXES, Texas examinations of educator standards, generalist 4-8 (111)*. (pp. 11-92) Book Chapter
- Semingson, Peggy L., et al. (Eds.). (2012). *TEXES, Texas examinations of educator standards, generalist 4-8 (111)*. Book Editor
- Smith, John A.**, et al. (2012). A focus on struggling readers: A comparative analysis of expert opinion and empirical research Recommendations. In R. Flippo (Ed.), *Reading researchers in search of common ground*. (2d ed., pp. 274-303) Book Chapter
- Smith, John A. *Literacy Research and Instruction*, Editorial Board
- Tice, Kathleen A.** *Journal of Educational Research*, Consulting Editor
- Tommerdahl, Jodi M.** *Child Language Teaching & Therapy*, Editorial Board
- Tommerdahl, Jodi M., et al. (2012). F-LARSP: A computerized tool for measuring morphosyntactic abilities in French. In Martin Ball, David Crystal & Paul Fletcher (Eds.), *Assessing grammar: The languages of LARSP* (pp. 230-244) Book Chapter
- Tommerdahl, Jodi M., et al. (2012). F-LARSP: An adaptation of the LARSP Language Profile for French. *Journal of Clinical Linguistics Phonetics*, 26(2), 188-198. Journal Article
- Tommerdahl, Jodi M., et al. (2012). *FLARSP: Un outil a été développé pour permettre, à partir d'une transcription au format CLAN (outil CLAN: <http://childes.psy.cmu.edu/clan/>) de générer automatiquement la grille FLARSP. Cet outil est disponible gratuitement en version Windows (XP, 7) et Mac OSX (10.6+)*. A tool developed to use a transcription in CLAN format to generate a completed FLARSP, French Language Assessment Remediation Screening Procedure. Computer Program
- White, Kevin James**, et al. (2012). Developing pre-service teachers' knowledge about phonics via video-based modules and discussion prompts. *Society for Information Technology & Teacher Education International Conference*. March 5, 2012. Austin, TX. 2092-2097. Conference Proceedings
- White, Kevin James, et al. (2012). The mismatch among students' views about nature of science, acceptance of evolution, and evolutionary science understandings. *Science Education Review*, 10(2), 34-39. Journal Article
- Yoon, Jiyeon**, et al. (2012). Virtual international activities for promoting diversity/multiculturalism and sustaining partnership in teacher education. *Society for information and Technology and Teacher Education International Conference*. 2012. Austin, TX. Conference Proceedings

COLLEGE OF EDUCATION AND HEALTH PROFESSIONS

Educational Leadership and Policy Studies - Dr. Adrienne E. Hyle, Chair

Adamuti-Trache, Maria. *Canadian Journal of Higher Education*, Associate Editor

Adamuti-Trache, Maria, et al. (Accepted). Enriching foreign qualifications through Canadian post-secondary education: Who participates and why? *Journal of International Migration and Integration*, Journal Article

Adamuti-Trache, Maria. (Advance online). Language acquisition among adult immigrants in Canada: The effect of pre-migration language capital. *Adult Education Quarterly*, doi: 10.1177/0741713612442804 Journal Article

Adamuti-Trache, Maria, et al. (Advance online). Student success in first year university physics and mathematics courses: Does the high school attended make a difference? *International Journal of Science Education*, doi: 10.1080/09500693.2012.667168 Journal Article

Casey, Pat, et al. (2012). Examining principals' perceptions of their influence on science achievement. *Journal of Studies in Education*, 2(2), 165-181. Journal Article

Gerlach, Jeanne M. *College of Human Resources and Education Alumni Association Journal*, Editor

Gerlach, Jeanne M. *Collegiate English Handbook*, Editorial Advisory Board

Gerlach, Jeanne M. *West Virginia English Journal*, Editorial Reviewer.

Gerlach, Jeanne M. *WILLA, Journal for Women in Literature and Life Assembly*, Research Editor

Gildersleeve, Ryan Evely, et al. (2012). *Qualitative inquiry for equity in higher education: Methodological implications, negotiations, and responsibilities* Book

Gildersleeve, Ryan Evely, et al. (2012). Working Bakhtin's body: A dialogue on critical qualitative research in education. *International Review of Qualitative Research*, 5(1), 83-104. Journal Article

Hyle, Adrienne E. *Advancing Women in Leadership Journal*, Editorial Board

Hyle, Adrienne E., et al. (2012). Experiential learning: Dissolving classroom and research borders. *Journal of Experiential Learning*, 35(1), 238-252. Journal Article

Tobolowsky, Barbara. *Association for the Study of Higher Education Monograph Series*, Advisory Board

Tobolowsky, Barbara. *Journal of the First-Year Experience and Students in Transition*, Editorial Board

Tobolowsky, Barbara, et al. (2012). Rationalizing neglect: An institutional response to transfer students. *Journal of Higher Education*, 83(3), 389-410. Journal Article

Zhang, Yi, et al. (2012). Applying to US institutions: The Chinese student dilemma. *International Briefs for Higher Education Leaders*, (1), 20-20. Journal Article

Zhang, Yi, et al. (2012). International students at community colleges. In John S. Levin, & Susan Kater (Eds.), *Understanding community colleges*. (pp. 53-68) Book Chapter

COLLEGE OF ENGINEERING

Kinesiology –

Dr. A. Louise Fincher, Chair

- Buckwalter, John**, et al. (2012). The effect of aging on adrenergic and non-adrenergic receptor expression and responsiveness in canine skeletal muscle. *Journal of Applied Physiology*, 112, 841-848. Journal Article
- Caçola, Priscilla**, et al. (2012). The ability to mentally represent action is associated with low motor ability in children: A preliminary study. *Child: Care, Health Development*, 38(3), 390-393. Journal Article
- Caçola, Priscilla, et al. (2012). Effect of the home environment on motor and cognitive behavior of infants. *Infant Behavior Development*, 35, 329-334. Journal Article
- Caçola, Priscilla, et al. (2012). Effect of visual landmarks and response delay on estimates of reachability. *Perceptual and Motor Skills*, 115(2), 1-9. Journal Article
- Caçola, Priscilla, et al. (2012). The home environment and infant and young children's motor development. In A. M. Columbus (Ed.), *Advances in psychology research*, Volume 90 (pp. 105-123) Book Chapter
- Caçola, Priscilla, et al. (2012). Modulating peripersonal and extrapersonal reach space: A developmental perspective. *Experimental Brain Research*, 218(2), 321-330. Journal Article
- Fincher, Lou**. *Journal of Athletic Training*, Editorial Board
- Fincher, Lou. *JSR: Journal of Sport Rehabilitation*, Editorial Board
- Nelson, Larry P.**, et al. (2012). The impact of a junior high school community intervention project: Moving beyond the testing juggernaut and into a community of creative learners. *School Community Journal*, 22(1), 125-144. Journal Article
- Ricard, Mark D.** *Measurement in Physical Education and Exercise Science*, Editorial Review Board
- Trowbridge, Cynthia**, et al. (Advance Online). Tissue temperatures and cardiovascular responses to cold modality application with static and intermittent pneumatic compression. *Sports Health: A Multidisciplinary Journal*, doi: 10.1177/1941738112450863 Journal Article
- Yilla, Abu B.**, et al. (2012). Game performance in ice sledge hockey: An exploratory examination into type of disability and anthropometric parameters. *Clinical Journal of Sport Medicine*, 22(1), 65-69. Journal Article

College of Engineering - Dr. Jean-Pierre Bardet, Dean

Bioengineering – Khosrow Behbehani, Chair

- Alexandrakis, Georgios**, et al. (2012). High-resolution imaging in a deep turbid medium based on an ultrasound switchable fluorescence technique. *Applied Physics Letters*, 101, 033703-033708. doi: 10.1063/1.4737211 Journal Article
- Alexandrakis, Georgios, et al. (2012). Improving optical contact for functional near infrared brain imaging with brush optodes. *Biomedical Optics Express*, 3(5), 878-898. Journal Article
- Alexandrakis, Georgios, et al. (2012). In vitro binding kinetics of DNA double strand break repair proteins Ku70/80 and DNA-PKcs quantified by fluorescence correlation spectroscopy and fluorescence cross-correlation spectroscopy. *SPIE Conference on Single Molecule Spectroscopy and Superresolution Imaging V*. January 21, 2012. San Francisco, CA. doi: 10.1117/12.909799 Conference Proceedings
- Alexandrakis, Georgios, et al. (2012). Number and brightness analysis to quantify the kinetics of EGFR and its mutants in living cells before and after γ -irradiation. *SPIE Photonics West Conference*. January 21-26, 2012. San Francisco, CA. Conference Proceedings
- Behbehani, Khosrow**. (2012). *Institute of Electrical and Electronics Engineers Fellow Award*
- Behbehani, Khosrow. (2012). *National Academy of Inventors Fellow Award*
- Chiao, J.-C.** (2012). *Fort Worth Business Press Medical Research Award*
- Chiao, J.-C. (2012). *IEEE Region 5 Outstanding Engineering Educator Award*
- Gyawali, Dipendra**, et al. (2012). A rheological study of biodegradable injectable PEGMC/HA composite scaffolds. *Soft Matter*, 8, 1488-1507. Journal Article

- Hong, Yi**, et al. (2012). An elastomeric patch electrospun from a blended solution of dermal extracellular matrix and biodegradable polyurethane for rat abdominal wall repair. *Tissue Engineering, Part C: Methods*, 18(2), 122-132. Journal Article
- Hong, Yi, et al. (2012). Microstructural manipulation of electrospun scaffolds for specific bending stiffness for heart valve tissue engineering. *Acta Biomaterialia*, 8, 4268-4277. Journal Article
- Hong, Yi, et al. (2012). Synthesis, characterization and paclitaxel release from a biodegradable, elastomeric, poly(ester urethane)urea bearing phosphorylcholine groups for reduced thrombogenicity. *Biomacromolecules*, 13(11), 3686-3694. Journal Article
- Kim, Young-tae**, et al. (2012). Material considerations for peripheral nerve interfacing. *MRS Bulletin*, 37(6), 573-580. Journal Article
- Nguyen, Kytai Truong**, et al. (2012). Biodegradable nanoparticles mimicking platelet binding as a targeted and controlled drug delivery system. *International Journal of Pharmaceutics*, 423, 516-524. Journal Article
- Nguyen, Kytai Truong, et al. (2012). Dual-imaging enabled cancer-targeting nanoparticles. *Advanced Healthcare Materials*, 1(4), 450-456. Journal Article
- Nguyen, Kytai Truong, et al. (2012). Effects of surfactants on the properties of PLGA nanoparticles. *Journal of Biomedical Materials Research A*, 100A(8), 1998-2005. Journal Article
- Nguyen, Kytai Truong. *Journal of Bioengineering and Biomedical Science*, Editorial Board for Manuscripts
- Nguyen, Kytai Truong. *Journal of Nanomedicine and Nanotechnology*, Editorial Board for Manuscripts
- Nguyen, Kytai Truong. *Journal of Nanoscience Letters*, Editorial Board for Manuscripts
- Nguyen, Kytai Truong, et al. (2012). Multifunctional nanoparticles for melanoma-targeted drug delivery. *Acta Biomaterialia*, 8(8), 2996-3004. Journal Article
- Nguyen, Kytai Truong, et al. (2012). Multi-functionality of ICG-loaded, biodegradable nanoparticles for enhanced optical imaging and hyperthermia intervention of cancer. *Journal of Biomedical Optics*, 17(4) doi: 10.1117/1.JBO.17.4.046003 Journal Article
- Nguyen, Kytai Truong, et al. (2012). Polymer-coated magnetic nanoparticles for cancer diagnosis and therapy. *Reviews in Nanoscience and Nanotechnology*, 1(4), 284-297. Journal Article
- Nguyen, Kytai Truong, et al. (2012). Targeted biodegradable nanoparticles for drug delivery to smooth muscle cells. *Journal of Nanoscience and Nanotechnology*, 12, 236-244. Journal Article
- Nguyen, Kytai Truong, et al. (2012). Temperature-sensitive polymer-coated magnetic nanoparticles as a potential drug delivery system for targeted therapy of thyroid cancer. *Journal of Biomedical Nanotechnology*, 8(6), 983-990. Journal Article
- Romero-Ortega, Mario I.**, et al. (2012). Closed-loop peripheral nerve interfacing through regenerative multielectrode arrays. *International Functional Electrical Stimulation Society*. September 9-12, 2012. Banff, Canada. Conference Proceedings
- Romero-Ortega, Mario I. *Frontiers of Neuroengineering Journal*, Associate Editor
- Romero-Ortega, Mario I., et al. (2012). Material considerations for peripheral nerve interfacing. *MRS Bulletin*, 37(6), 573-580. Journal Article
- Romero-Ortega, Mario I. (2012). *Metroplex Technology Business Council Technology Innovator Tech Titan Award*
- Romero-Ortega, Mario I., et al. (2012). Normal molecular repair mechanisms in regenerative peripheral nerve interfaces allow recording of early spike activity despite immature myelination. *IEEE Transactions on Neural Systems Rehabilitation Engineering*, 20(2), 220-227. doi: 10.1109/TNSRE.2011.2179811 Journal Article
- Tang, Liping**, et al. (2012). Development of cancer traps for eliminating metastatic melanoma cells. *Cancer Prevention and Research Institute of Texas Annual Conference*. October 24-26, 2012. Austin, TX. Conference Proceedings

COLLEGE OF ENGINEERING

- Tang, Liping, et al. (2012). Development of cancer traps using tissue engineering scaffolds. *Biomedical Engineering Society Annual Meeting*. October 24-27, 2012. Atlanta, GA. Conference Proceedings
- Tang, Liping, et al. (2012). Development of nanoprobe for imaging foreign body reactions. *European Cells and Materials*, 23(Supplement 5), 3-3. Journal Article
- Tang, Liping, et al. (2012). Development of nanoprobe for imaging foreign body reactions. *Scandinavian Society for Biomaterials Annual Meeting*. May 8-9, 2012. Uppsala, Sweden. Conference Proceedings
- Tang, Liping, et al. (2012). Development of thermosensitive nanoparticles hydrogel for protein delivery in connective tissues of the pelvic floor. *American Urogynecologic Society Annual Scientific Meeting*. October 3-6, 2012. Chicago, IL. Conference Proceedings
- Tang, Liping, et al. (2012). Erythropoietin enhances osteogenic differentiation of autologous stem cells in critical size defects. *Biomaterials Engineering Society Annual Meeting*. October 24-27, 2012. Atlanta, GA. Conference Proceedings
- Tang, Liping, et al. (2012). In vivo NIR imaging with PbS quantum dots entrapped in biodegradable micelles. *Journal of Biomedical Materials Research: Part A*, 100A(4), 958-968. doi: 10.1002/jbm.a.34043 Journal Article
- Tang, Liping, et al. (2012). Injectable citrate-based mussel-inspired tissue bioadhesives with high wet strength for sutureless wound closure. *Biomaterials*, 33(32), 7972-7983
- Tang, Liping. *International Journal of Cancer Studies & Research*, Editorial Board
- Tang, Liping. (2012). *International Union of Societies for Biomaterials Science and Engineering Fellow Award*
- Tang, Liping. *Journal of Biochips and Tissue Chips*, Editorial Board
- Tang, Liping. *Journal of Bioterrorism and Biodefense*, Editorial Board
- Tang, Liping. *Journal of Developmental Biology and Tissue Engineering*, Editorial Board
- Tang, Liping, et al. (2012). Multifunctional nanoparticles for melanoma-targeted drug delivery. *Acta Biomaterialia*, 8, 2996-3004. Journal Article
- Tang, Liping, et al. (2012). Noninvasive assessment of localized inflammatory responses. *Free Radical Biology Medicine*, 52, 218-226. Journal Article
- Tang, Liping, et al. (2012). Novel near-infrared probe for in vivo detection of biomaterial-mediated neutrophil responses. *World Biomaterials Congress*. June 1-5, 2012. Chengdu, China. Conference Proceedings
- Tang, Liping, et al. (2012). Real-time noninvasive in vivo imaging of foreign body reactions using pH ratiometric fluorescence probes. *World Biomaterials Congress*. June 1-5, 2012. Chengdu, China. Conference Proceedings
- Tang, Liping. *Reviews in Nanoscience and Nanotechnology*, Associate Editor
- Tang, Liping. *Scientific World Journal*, Editorial Board
- Tang, Liping, et al. (2012). Stability analysis of a model for foreign body fibrotic reactions. *Computational and Mathematical Models in Medicine*, Article ID: 809864. doi: 10.1155/2012/809864 Journal Article
- Tang, Liping, et al. (2012). Use of chemokine releasing tissue engineering scaffolds in studying inflammatory responses-mediated cancer metastasis. *Biomaterials*, 33(3), 876-885. Journal Article
- Yuan, Baohong**, et al. (2012). High-resolution imaging in a deep turbid medium based on an ultrasound switchable fluorescence technique. *Applied Physics Letters*, 101, 033703. Journal Article
- Yuan, Baohong. *International Journal of Optics*, Guest Editor
- Yuan, Baohong. *Technology in Cancer Research and Treatment*, Editorial Board

Civil Engineering -
Dr. Ali Abolmaali, Chair

- Ardekani, Siamak "Sia" A., et al.** (2012). Assessment of sustainable infrastructure: The case of exurban Dallas. *Journal of Transportation Research Forum*, 51(3), 7-24. Journal Article
- Ardekani, Siamak "Sia" A. (2012). A mean speed prediction model for surface streets. *International Journal of Engineering Technology*, 2(3), 541-552. Journal Article
- Chao, Shih-Ho,** et al. (2012). Behavior of steel fiber reinforced concrete deep beams with large opening. *ACI Structural Journal*, 109(2), 193-203. Journal Article
- Choi, Hyeok,** et al. (2012). Beneficial effects of controlled porous structure of TiO₂ photocatalysts for environmental applications. *International Conference on Photocatalysis and Solar Energy Conversion: Development of Materials and Nanomaterials*. May 29-31, 2012. Daejeon, South Korea. Conference Proceedings
- Choi, Hyeok, et al. (2012). Correlations between molecular descriptors from various VOCs and photocatalytic oxidation kinetic constants. *European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA)*. June 17-20, 2012. Oporto, Portugal. Conference Proceedings
- Choi, Hyeok, et al. (2012). Effectiveness of sulfate radicals for the decomposition of sulfate radicals. *International Conference on Advanced Oxidation Technologies for Treatment of Water, Air, and Soil*. November 12-15, 2012. Jacksonville, FL. Conference Proceedings
- Choi, Hyeok, et al. (2012). Enhancing selective oxidation of TiO₂ photocatalysts for decomposition of target pollutants. *International Conference on Environmental Science and Technology*. July 12-16, 2012. Houston, TX. Conference Proceedings
- Choi, Hyeok, et al. (2012). Impacts of pH-dependent metal speciation on the decomposition of triclosan by sulfate radicals. *Water Science and Technology: Water Supply*, 12, 837-843. Journal Article
- Choi, Hyeok, et al. (2012). The influence of capsular extracellular polymeric substances on the toxicological interaction between TiO₂ nanoparticles and planktonic bacteria. *Water Research*, 46, 4687-4696. Journal Article
- Choi, Hyeok. (2012). Nanotechnologies for environmental applications. *Korean-ethnic Scientists and Engineers Academic Conference (KSEAC 2012)*. July 4-6, 2012. Seoul, South Korea. Conference Proceedings
- Choi, Hyeok, et al. (2012). Phenomenological and spectroscopic analysis on the effects of sediment ageing and organic carbon on the fate of a PCB congener spiked to sediment. *Journal of Hazardous Materials*, 239/240, 325-332. Journal Article
- Choi, Hyeok, et al. (2012). Reaction intermediates and pathways of triclosan decomposition by sulfate radicals. *Symposium on Emerging Environmental Contaminants: Chemistry and Toxicology, Division of Environmental Chemistry, American Chemical Society (ACS) National Meeting*. March 25-29, 2012. San Diego, CA. Conference Proceedings
- Choi, Hyeok, et al. (2012). Reductive/oxidative decomposition of perfluorooctane sulfonate using nZVI conjugated with oxidants. *International Conference on Environmental Science and Technology*. July 12-16, 2012. Houston, TX. Conference Proceedings
- Choi, Hyeok, et al. (2012). Sulfate radicals-based advanced oxidation technologies for the decomposition of triclosan. *International Conference on Environmental Science and Technology*. July 12-16, 2012. Houston, TX. Conference Proceedings
- Choi, Hyeok, et al. (2012). Sulfate radicals-based advanced oxidation technologies for the decomposition of triclosan. *Texas Water 2012*. April 10-13, 2012. San Antonio, TX. Conference Proceedings
- Choi, Hyeok, et al. (2012). Sulfate radicals-based degradation of triclosan. *Special Symposium in Honor of Professor Paul Bishop, Division of Environmental Chemistry, American Chemical Society (ACS) National Meeting*. August 19-23, 2012. Philadelphia, PA. Conference Proceedings
- Hossain, M.D. Sahadat,** et al. (2012). Determination of geotechnical properties of clayey soils from resistivity imaging (RI). *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). Determining unknown bridge foundation depth by resistivity imaging method. *American Society of Civil*

COLLEGE OF ENGINEERING

- Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 275-284. doi: 10.1061/9780784412121.029 Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). Development of regression equations for predicting leachate parameters from landfills. *Air Waste Management Association Annual Conference & Exhibition*. June 19-21, 2012. San Antonio, TX. Conference Proceedings
- Hossain, M.D. Sahadat. (2012). Effects of backfill soil on excessive movement of MSE wall *Journal of Performance of Constructed Facilities*, 26(6), 793-802. Journal Article
- Hossain, M.D. Sahadat, et al. (Accepted). Estimating moisture content of landfilled municipal solid waste without drilling – An innovative approach. *Journal of Hazardous, Toxic, and Radioactive Waste (Special Edition on Bioreactor Landfill)*, doi: 10.1061/(ASCE)HZ.2153-5515.0000155 Journal Article
- Hossain, M.D. Sahadat, et al. (2012). Evaluation of methane generation potential of MSW in a closed landfill. *International Conference on Solid Waste technology Management*. March 11-14, 2012. Philadelphia, PA. Conference Proceedings
- Hossain, M.D. Sahadat. (Accepted). Evaluation of unknown foundation depth using different NDT method. *Journal of Performance of Constructed Facilities*, Journal Article
- Hossain, M.D. Sahadat, et al. (2012). Field evaluation of permeable blanket for leachate recirculation. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 3603-3612. doi: 10.1061/9780784412121.369 Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). Investigation of geohazard potential of highway embankment slopes on expansive clay by using geophysical methods. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 634-642. doi: 10.1061/9780784412121.066 Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). Investigation of geotechnical parameters affecting electrical resistivity of compacted clays. *Journal of Geotechnical and Geoenvironmental Engineering*, 138(12), 1520-1529. Journal Article
- Hossain, M.D. Sahadat, et al. (2012). Investigation of moisture variation of backfill soil in MSE wall. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 2629-2638. doi: 10.1061/9780784412121.269 Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). Numerical modeling for remedial measures of shallow slope failure using recycled plastic pins. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 3739-3746. Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). The performance evaluation of horizontal gas collection system in an ELR landfill. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 3613-3623. Conference Proceedings
- Hossain, M.D. Sahadat, et al. (2012). Waste to energy conversion in a bioreactor landfill - Perspective Bangladesh. *Energy and Power*, 10(4), 25-26. Journal Article
- Hoyos, Laureano R.**, et al. (2012). Behavior of compacted clayey silty sand under suction-controlled ring shear testing. *European Conference on Unsaturated Soils*. June 20-22, 2012. Naples, Italy. 1 39-46. Conference Proceedings
- Hoyos, Laureano R. *Environmental Geotechnics*, (Institution of Civil Engineers, London, U.K.), Associate Regional Editor (USA)
- Hoyos, Laureano R. *Geotechnical Testing Journal*, Editorial Board
- Hoyos, Laureano R., et al. (2012). Influence of mineral montmorillonite on soil suction modeling parameters. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 1126-1135. doi: 10.1061/9780784412121.11 Conference Proceedings
- Hoyos, Laureano R., et al. (2012). Modeling of unsaturated soil response under suction-controlled true triaxial stress paths. *International Journal of Geomechanics*, 12(3), 292-308. Journal Article
- Hoyos, Laureano R., et al. (2012). Numerical modeling of the impact of deteriorating treated subgrade modulus due to seasonal changes on pavement performance. *American Society of Civil Engineers Geo-Congress* 2012. March 25-29, 2012. Oakland, CA. 1036-1045. Conference Proceedings

- Hoyos, Laureano R. (2012). Recent advances in experimental modeling of unsaturated soil behavior over a whole range of paths and modes of deformation. In Lysses Laloui, & Alessio Ferarri (Eds.), *Multiphysical testing of soils and shales* (pp. 3-20) Book Chapter
- Hoyos, Laureano R., et al. (2012). A refined approach to Barcelona Basic Model: Experimental evidence and parametric performance. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 2148-2156. doi: 10.1061/9780784412121.220 Conference Proceedings
- Hoyos, Laureano R., et al. (2012). A refined approach to Barcelona Basic Model using the apparent tensile strength concept. *European Conference on Unsaturated Soils*. June 20-22, 2012. Naples, Italy. 2 103-110. doi: 10.1007/978-3-642-31343-1_13 Conference Proceedings
- Hoyos, Laureano R., et al. (2012). Refined true triaxial apparatus for testing unsaturated soils under suction-controlled stress paths. *International Journal of Geomechanics*, 12(3), 281-291. Journal Article
- Hoyos, Laureano R., et al. (2012). Residual strength of unsaturated soils using a fully servo/suction-controlled ring shear apparatus. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 819-828. Conference Proceedings
- Hoyos, Laureano R., et al. (2012). SWRC modelling framework for evaluating volume change behavior of expansive soils. *European Conference on Unsaturated Soils*. June 20-22, 2012. Naples, Italy. 1, 221-228. doi: 10.1007/978-3-642-31116-1_30 Conference Proceedings
- Hoyos, Laureano R., et al. (2012). Unsaturated soil response under plane strain conditions using a servo/suction-controlled biaxial apparatus. *European Conference on Unsaturated Soils*. June 20-22, 2012. Naples, Italy. 1, 31-38. doi: 10.1007/978-3-642-31116-1_5 Conference Proceedings
- McEnery, John**, et al. (2012). Hydrologic information server for benchmark precipitation dataset. *Computers and Geosciences*, 50, 145-153. doi: 10.1016/j.cageo.2012.08.005 Journal Article
- McEnery, John, et al. (2012). Muskingum optimization used for evaluation of regionalized stormwater detention. *Journal of Flood Risk Management*, 5, 46-61. doi: 10.1111/j.1753-318X.2011.01125.x Journal Article
- Najafi, Mohammad**. *ASCE Journal of Pipeline Systems Engineering and Practice*, Chief Editor
- Najafi, Mohammad, et al. (2012). Case study of productivity analysis for horizontal directional drilling. *ASCE Pipelines Conference 2012*. August 19-22, 2012. Miami, FL. 857-868. doi: 10.1061/9780784412480.079 Conference Proceedings
- Najafi, Mohammad, et al. (2012). Comparison of jacking load models for trenchless pipe jacking. *ASCE Pipelines Conference*. August 19-22, 2012. Miami, FL. 1507-1520. doi: 10.1061/9780784412480.140 Conference Proceedings
- Najafi, Mohammad, et al. (2012). Culvert asset management practices and deterioration modeling. *Transportation Research Record: Journal of the Transportation Research Board*, 2285, 1-7. doi: 10.3141/2285-01 Journal Article
- Najafi, Mohammad, et al. (2012). Effect of pipe stiffness on Maxi-HDD pull loads. *Journal of Pipeline Systems Engineering and Practice*, 3(1), 22-31. Journal Article
- Najafi, Mohammad, et al. (2012). Evaluation of statically-loaded large diameter steel pipe with modified native embedment soils. *ASCE Pipelines Conference*. August 19-22, 2012. Miami, FL. Conference Proceedings
- Najafi, Mohammad, et al. (2012). Factors affecting productivity of horizontal directional drilling. *International Conference of Pipelines and Trenchless Technology (ICPTT 2012)*. October 19-22. Wuhan, China. 1848-1858. doi: 10.1061/9780784412619.186 Conference Proceedings
- Najafi, Mohammad, et al. (2012). Large diameter steel pipe subjected to landslide loads. *Journal of Pipeline Systems Engineering and Practice*, 3(1), 1-7. Journal Article
- Najafi, Mohammad, et al. (2012). Trenchless technology applications for culvert installations. *North American Society for Trenchless Technology Conference, No-dig 2012*. March 11-15, 2012. Nashville, TN. Conference Proceedings
- Najafi, Mohammad. (2012). *Trenchless technology: Planning, equipment, and methods* Book

COLLEGE OF ENGINEERING

- Najafi, Mohammad, et al. (2012). Usage and applications of horizontal directional drilling. *International Conference of Pipelines and Trenchless Technology (ICPTT 2012)*. October 19-22, 2012. Wuhan, China. 1835-1847. doi: 10.1061/9780784412619.185 Conference Proceedings
- Najafi, Mohammad, et al. (2012). Use of lime stabilized native clay soils to embed large diameter steel pipe. *International Conference of Pipelines and Trenchless Technology (ICPTT 2012)*. October 19-22, 2012. Wuhan, China. 654-664. Conference Proceedings
- Puppala, Anand J.** *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, Associate Editor
- Puppala, Anand J., et al. (2012). Behavior of compacted clayey silty sand under suction-controlled ring shear testing. *European Conference on Unsaturated Soils*. June 20-22, 2012. Naples, Italy. 1 39-46. Conference Proceedings
- Puppala, Anand J. *Environmental Geotechnics, New Journal*, Editorial Board
- Puppala, Anand J., et al. (2012). Field investigations on performance of T-shaped deep mixed soil cement columns supported embankment over soft ground. *Journal of Geotechnical and Geoenvironmental Engineering*, 138(6), 718-727. doi: 10.1061/(ASCE)GT.1943-5606.0000625 Journal Article
- Puppala, Anand J. *Geotechnical Testing Journal*, Editorial Board
- Puppala, Anand J. *Ground Improvement*, Chief Editor
- Puppala, Anand J., et al. (2012). In-situ matric suction and moisture content measurements in expansive clays during seasonal fluctuations. *Geotechnical Testing Journal*, 35(1), 9-9. Journal Article
- Puppala, Anand J., et al. (2012). Inclined load tests on drilled shafts. *Geotechnical Testing Journal*, 35(2), 1-10. Journal Article
- Puppala, Anand J. *Indian Geotechnical Journal*, Editorial Board
- Puppala, Anand J. *International Journal of Geomechanics and Engineering*, Editorial Board
- Puppala, Anand J. *Journal of Materials in Civil Engineering*, Associate Editor
- Puppala, Anand J., et al. (2012). Laboratory and field evaluation of cement-treated reclaimed asphalt pavement blends as roadway base material. *Journal of ASTM International*, 9(2) doi: 10.1520/JAI103714 Journal Article
- Puppala, Anand J., et al. (2012). Liquefaction assessments using seismic cone penetration test investigations in Tangshan Region in China. *Soil Dynamics and Earthquake Engineering*, 41, 141-150. doi: 10.1016/j.soildyn.2012.05.008 Journal Article
- Puppala, Anand J., et al. (2012). Measurements of shrinkage induced pressure (SIP) in unsaturated expansive clays. *Geotechnical Engineering Journal of the SEAGS & AGSSEA*, 43(1), 40-47. Journal Article
- Puppala, Anand J., et al. (2012). Modeling of unsaturated soil under suction controlled stress paths. *International Journal of Geomechanics*, 12(3), 292-308. doi: 10.1061/(ASCE)GM.1943-5622.0000159 Journal Article
- Puppala, Anand J., et al. (2012). Refined true triaxial apparatus for testing unsaturated soils under suction-controlled stress paths. *International Journal of Geomechanics*, 12(3), 281-291. doi: 10.1061/(ASCE)GM.1943-5622.0000138 Journal Article
- Puppala, Anand J., et al. (2012). Reliability assesment of CPTU-based pile capacity predictions in soft clay deposits. *Engineering Geology*, 141-142, 84-91. Journal Article
- Puppala, Anand J., et al. (2012). Sulfate induced heaving of a taxiway: A case study. *Indian Geotechnical Journal*, 42, 257-266 Journal Article
- Puppala, Anand J., et al. (2012). Sustainable reuse of limestone quarry fines and RAP in pavement base/subbase layers. *Journal of Materials in Civil Engineering*, 24(4), 418-429. doi: 10.1061/(ASCE)MT.1943-5533.0000404 Journal Article
- Puppala, Anand J., et al. (2012). SWRC modelling framework for evaluating volume change behavior of expansive soils. *European Conference on Unsaturated Soils*. June 20-22, 2012. Naples, Italy. 1 221-228. Conference Proceedings
- Puppala, Anand J., et al. (2012). Transportation civil infrastructure settlement and heave distress: Challenges and solutions. *Journal of Zhejiang University-Science A (Applied Physics and Engineering)*, 13(11), 850-858. Journal Article

COLLEGE OF ENGINEERING

- Sattler, Melanie L., et al. (2012).** Air emissions from natural gas exploration and mining in the Barnett Shale geologic reservoir. *Proceedings of the Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Air impacts from three alternatives for producing crude oil. *Journal of the Air Waste Management Association*, 62(10), 1182-1195. Journal Article
- Sattler, Melanie L., et al. (2012). Analysis and comparison of inertinite-derived adsorbent with conventional adsorbents. *Journal of the Air Waste Management Association*, 62(5), 489-499. Journal Article
- Sattler, Melanie L., et al. (2012). Characterization of pyrolysis products from algae and polystyrene (PS) plastic waste. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L. *Current Environmental Engineering*, Editorial Board
- Sattler, Melanie L., et al. (2012). Development of regression equations for predicting leachate parameters from landfills. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L. (2012). Energy for sustainable development: The energy-poverty-climate nexus. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L. (2012). Environmental outreach K-12: Tips for workshop success. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. 982-989. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Faculty transformation through service-learning implementation. *International Association for Research on Service-Learning and Community Engagement Annual Conference*. September 23-25, 2012. Baltimore, MD. Conference Proceedings
- Sattler, Melanie L. (2012). *Final report: UT Arlington RET site on hazard mitigation*. Report for National Science Foundation Engineering Education Program. Report
- Sattler, Melanie L., et al. (2012). An improved model to predict gas generation from landfills based on waste composition, rainfall and ambient temperature. *Environmental Research and Education Foundation (EREF) Regional Summit on Sustainable Solid Waste Practices & Research*. March 27, 2012. Austin, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Integrating sustainability across the curriculum: Engineering sustainable engineers. *American Society for Engineering Education Annual Conference and Exposition* June 10-12, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Life cycle sustainability economics. *American Society for Engineering Education Annual Conference and Exposition*. June 10-12, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). *Mobile measurement of methane and hydrogen sulfide at natural gas production site fence lines in the Texas Barnett Shale. Final report submitted to the Environmental Defense Fund*. Report
- Sattler, Melanie L., et al. (2012). A model for evaluating emission benefits and economic effects after closing drive-thrus. *Annual Transportation Research Forum*. March 15-17, 2012. Tampa, FL. 642-642. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Multidisciplinary sustainable senior design project: Design of a campus biodiesel refinery. *Annual Conference of the American Society for Engineering Education*. June 10-13, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L. *Online Journal of Civil Engineering and Urbanism*, Editorial Board
- Sattler, Melanie L., et al. (2012). On-road measurement of NOx and CO2 emissions from biodiesel produced from different feedstocks. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L. (2012). Potential revenues from reduction of natural gas and condensate emissions in North Central Texas. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Preliminary carbon footprint analysis of a large diameter water transmission pipeline installation. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings

COLLEGE OF ENGINEERING

- Sattler, Melanie L., et al. (2012). Proximity of childhood leukemia cases to airports within the State of Texas. *Air Waste Management Association Annual Conference*. June 19-22, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Proximity of childhood leukemia cases to airports within the State of Texas. *International Conference on Environmental Science and Technology*. June 25-29, 2012. Houston, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Sustainable engineering internships: Creation and assessment. *American Society for Engineering Education Annual Conference and Exposition*. June 10-12, 2012. San Antonio, TX. Conference Proceedings
- Sattler, Melanie L., et al. (2012). Sustainable industrial engineering modules. *American Society for Engineering Education Annual Conference and Exposition*. June 10-12, 2012. San Antonio, TX. Conference Proceedings
- Seo, Dong-Jun**, et al. (2012). Comparison of different radar-gauge merging techniques in the NWS multi-sensor precipitation estimator algorithm. *Weather Radar and Hydrology Special Issue, IAHS Publication 351*, 243-248. Journal Article
- Seo, Dong-Jun. (2012). Conditional bias-penalized kriging. *Stochastic Environmental Research and Risk Assessment*, 27, 43-58. doi: 10.1007/s00477-012-0567-z Journal Article
- Seo, Dong-Jun, et al. (2012). Evaluation of a nonparametric post-processor for bias correction and uncertainty estimation of hydrologic predictions. *Hydrologic Processes*, 27(1), 83-105. doi: 10.1002/hyp.9263 Journal Article
- Seo, Dong-Jun. (2012). Toward operational hydrologic ensemble forecasting across weather and climate scales. *Water Information Research and Development Alliance: Science Symposium (WIRADA 2012)*. August 1-5, 2012. Melbourne, Australia. 388-394. Conference Proceedings
- Seo, Dong-Jun, et al. (2012). Variational assimilation of streamflow into operational distributed hydrologic models: effect of spatiotemporal adjustment scale. *Hydrology and Earth Systems Sciences*, 9, 93-108. doi: 10.5194/hessd-9-93-2012 Journal Article
- Stavridis, Andreas**, et al. (2012). Bond and development length of large-diameter bars in well confined concrete. *International Symposium on Bond in Concrete*. June 17-20, 2012. Brescia, Italy. Conference Proceedings
- Stavridis, Andreas, et al. (2012). Nonlinear structural identification of a three-story infilled frame using instantaneous modal parameters. *IMAC, a Conference and Exposition on Structural Dynamics*. January 30-February 2, 2012. Jacksonville, FL. Conference Proceedings
- Stavridis, Andreas, et al. (2012). Shake-table testing of a three-story, full-scale, reinforced masonry wall system. *International Brick and Block Masonry Conference*. June 3-6, 2012. Florianopolis, Brazil. Conference Proceedings
- Stavridis, Andreas, et al. (2012). Shake-table tests of a three-story reinforced concrete frame with masonry infill walls. *Earthquake Engineering & Structural Dynamics*, 41, 1089-1008. doi: 10.1002/eqe.1174 Journal Article
- Stavridis, Andreas, et al. (2012). Simplified modeling of masonry-infilled RC frames subjected to seismic loading. *World Conference on Earthquake Engineering*. June 3-6, 2012. Lisbon, Portugal. Conference Proceedings
- Yu, Xinbao**, et al. (2012). Calibration of side, tip, and total resistance factors for load and resistance factor design of drilled shafts. *Annual Meeting of the Transportation Research Board*. doi: 10.3141/2310-05
- Yu, Xinbao, et al. (2012). Real-time monitoring of bridge scour in clayey sediments. *International Conference on Scour and Erosion*. August 27-31, 2012. Paris, France. Conference Proceedings
- Yu, Xinbao, et al. (2012). Separated resistance factors of drilled shafts based on O-cell tests. *American Society of Civil Engineers Geo-Congress*. March 25-29, 2012. Oakland, CA. 97-104. doi: 10.1061/9780784412121.011 Conference Proceedings
- Yu, Xinbao, et al. (2012). Time domain reflectometry sensor-assisted freeze/thaw analysis in geomaterials. *Cold Regions Science and Technology*, 71, 84-89. Journal Article

Computer Science and Engineering – Dr. Fillia Makedon, Chair

- Ahmad, Ishfaq.** (2012). *Handbook of energy-aware and green computing* Book
- Athitsos, Vassilis,** et al. (2012). Boosted ranking models: A unifying framework for ranking predictions. *Knowledge and Information Systems (KAIS)*, 30(3), 543-568. doi: 10.1007/s10115-011-0390-8 Journal, Electronic
- Athitsos, Vassilis, et al. (2012). A generic framework for efficient and effective subsequence retrieval. *International Conference on Very Large Data Bases*. 27-31 August, 2012. Istanbul, Turkey. 5(11) 1579-1590. Conference Proceedings
- Athitsos, Vassilis. *Journal of Machine Learning Research, Special Topic on Gesture Recognition*, Guest Editor
- Csallner, Christoph,** et al. (2012). Evaluating program analysis and testing tools with the RUGRAT random benchmark application generator. *Proceedings of the 2012 Workshop on Dynamic Analysis*. July 15 - 20, 2012. Minneapolis, MN. Conference Proceedings
- Csallner, Christoph, et al. (2012). An experiment in developing small mobile phone applications comparing on-phone to off-phone development. *International Workshop on User Evaluation for Software Engineering Researchers (USER 2012)*. June 5, 2012. Zurich, Switzerland. 9-12. Conference Proceedings
- Csallner, Christoph, et al. (2012). Residual investigation: Predictive and precise bug detection. *International Symposium on Software Testing and Analysis*. July 5-12, 2012. Minneapolis, MN. 298-308. Conference Proceedings
- Csallner, Christoph, et al. (2012). SimFuzz: Test case similarity directed deep fuzzing. *Journal of Systems and Software*, 85(1), 102-111. Journal Article
- Chakravarthy, Sharma.** *International Journal of Next-Generation Computing*, Associate Editor
- Das, Sajal.** *ACM/Kluwer Wireless Networks Journal*, Associate Editor
- Das, Sajal. (2012). *Handbook on securing cyber-physical critical infrastructure: foundations and challenges* Book
- Das, Sajal. *IEEE Transactions on Mobile Computing*, Associate Editor
- Das, Sajal, et al. (2012). Using data mules to preserve source location privacy in wireless sensor networks. *International Conference on Distributed Computing and Networking (ICDCN)*. January 3-6, 2012. Hong Kong, China. Conference Proceedings
- Ding, Chris H.Q.,** et al. (2012). An efficient algorithm for L1-norm principal component analysis. *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2012*. March 25-30, 2012. Kyoto, Japan. 1377-1380. doi: 10.1109/ICASSP.2012.6288147 Conference Proceedings
- Ding, Chris H.Q., et al. (2012). Enhancing collaborative filtering by user interest expansion via personalized ranking. *IEEE Transactions on Systems, Man, and Cybernetics, Part B*, 42(1), 218-233. Journal Article
- Ding, Chris H.Q., et al. (2012). Function-function correlated multi-label protein function prediction over interaction networks. *Research in Computational Molecular Biology Annual International Conference (RECOMB 2012)*. April 21-24, 2012. Barcelona, Spain. Conference Proceedings
- Ding, Chris H.Q., et al. (2012). Joint stage recognition and anatomical annotation of drosophila gene expression patterns. *Bioinformatics*, 28(12), 16-24. Journal Article
- Ding, Chris H.Q., et al. (2012). Maximum consistency preferential random walks. *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD 2012)*. September 24-28, 2012. Bristol, United Kingdom. 339-354. doi: 10.1007/978-3-642-33486-3_22 Conference Proceedings
- Ding, Chris H.Q., et al. (2012). Nonnegative matrix factorization using a robust error function. *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2012)*. March 25-30, 2012. Kyoto, Japan. Conference Proceedings
- Ding, Chris H.Q., et al. (2012). Predicting protein-protein interactions from multimodal biological data sources via nonnegative matrix tri-factorization. *Research in Computational Molecular Biology Annual International Conference (RECOMB 2012)*. April 21-24, 2012. Barcelona, Spain. Conference Proceedings

COLLEGE OF ENGINEERING

- Ding, Chris H.Q., et al. (2012). Robust integrated locally linear embedding. *Chinese Conference on Biometric Recognition (CCBR 2012)*. 364-371. Guangzhou, China. Conference Proceedings
- Ding, Chris H.Q., et al. (2012). Simultaneous image classification and annotation via biased random walk on tri-relational graph. *European Conference on Computer Vision*. October 7-13, 2012. Florence, Italy. 6 823-836. Conference Proceedings
- Ding, Chris H.Q., et al. (2012). Symmetric nonnegative matrix factorization for graph clustering. *International Conference on Very Large Data Bases*. August 27, 2012. Istanbul, Turkey. 106-117. Conference Proceedings
- Doliotis, Paul**, et al. (2012). Hand shape and 3D pose estimation using depth data from a single cluttered frame. *International Symposium on Visual Computing*. July 16-18, 2012. Rethymnon, Greece. Conference Proceedings
- Fegaras, Leonidas**, et al. (2012). A load shedding framework for processing top-k join aggregation queries. *International Workshop on Database Management Systems (DMS'12)*. July 13-15, 2012. Chennai, India. Conference Proceedings
- Fegaras, Leonidas, et al. (2012). An optimization framework for map-reduce queries. *International Conference on Extending Database Technology (EDBT'12)*. March 26-30, 2012. Berlin, Germany. doi: 10.1145/2247596.2247601 Conference Proceedings
- Huang, Heng**, et al. (2012). ADNI. Identifying disease sensitive and quantitative trait relevant biomarkers from Mmulti-dimensional heterogeneous imaging genetics data via sparse multi-modal multi-task learning. *Bioinformatics*, 28(12), i127-i136. Journal Article
- Huang, Heng, et al. (2012). ADNI. Identifying quantitative trait loci via group-sparse multi-task regression and feature selection: An imaging genetics study of the ADNI cohort. *Bioinformatics*, 28(2), 229-237. Journal Article
- Huang, Heng, et al. (2012). Forging the graphs: A low rank and positive semidefinite graph learning approach. *Advances in Neural Information Processing Systems*. December 3-6, 2012. Lake Tahoe, NV. Conference Proceedings
- Huang, Heng, et al. (2012). From phenotype to genotype: An association study of candidate phenotypic markers to Alzheimer's Disease relevant SNPs. *Bioinformatics*, 28(18), i619-1625. doi: 10.1093/bioinformatics/bts411 Journal Article
- Huang, Heng, et al. (2012). Function-function correlated multi-label protein function prediction over interaction networks. *International Conference on Research in Computational Molecular Biology (RECOMB 2012)*. April 21-24, 2012. Barcelona, Spain. 302-313. Conference Proceedings
- Huang, Heng, et al. (2012). Group-wise consistent parcellation of Gyri via adaptive multi-view spectral clustering of fiber shapes. *International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2012)*. October 1-5, 2012. Nice, France. 15(Part 2) 271-279. Conference Proceedings
- Huang, Heng, et al. (2012). High-order multi-task feature learning to identify longitudinal phenotypic markers for Alzheimer Disease progression prediction. *NIPS 2012*. December 3-6, 2012. Lake Tahoe, NV. 1-9. Conference Proceedings
- Huang, Heng, et al. (2012). Identifying disease sensitive and quantitative trait relevant biomarkers from multi-dimensional heterogeneous imaging genetics data via sparse multi-modal multi-task learning. *Bioinformatics*, 28(12), i127-i136. doi: 10.1093/bioinformatics/bts228 Journal Article
- Huang, Heng, et al. (2012). Integrative molecular profiling reveals asparagine synthetase is a target in castration-resistant prostate cancer. *The American Journal of Pathology*, 180(3), 895-903. Journal Article
- Huang, Heng, et al. (2012). An iterative locally linear embedding algorithm. *International Conference on Machine Learning (ICML 2012)*. June 26-July 1, 2012. Edinburgh, Scotland. Retrieved from arXiv:1206.6463v1 Conference Proceedings
- Huang, Heng, et al. (2012). Joint image classification and annotation via biased random walk on tri-relational graph. *European Conference on Computer Vision (ECCV 2012)*. October 7-13, 2012. Florence, Italy. 6 823-836. Conference Proceedings
- Huang, Heng, et al. (2012). Joint stage recognition and anatomical annotation

- of *Drosophila* gene expression patterns. *International Conference on Intelligent Systems for Molecular Biology (ISMB 2012)*. July 15-17, 2012. Long Beach, CA. 28(12) i16-i24. doi: 10.1093/bioinformatics/bts220 Conference Proceedings
- Huang, Heng, et al. (2012). Low-rank matrix recovery via efficient Schatten p-norm minimization. *AAAI Conference on Artificial Intelligence*. July 22-26, 2012. Toronto, Canada. 655-661. Conference Proceedings
- Huang, Heng, et al. (2012). Multi-label reliefF and F-statistic feature selections for image annotation. *IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2012)*. June 16-21, 2012. Providence, RI. 2352-2359. Conference Proceedings
- Huang, Heng, et al. (2012). Parallelization with multiplicative algorithms for big data mining. *IEEE International Conference on Data Mining (ICDM 2012)*. December 10-13, 2012. Brussels, Belgium. 489-498. doi: 10.1109/ICDM.2012.155 Conference Proceedings
- Huang, Heng, et al. (2012). Predicting protein-protein interactions from multimodal biological data sources via nonnegative matrix tri-factorization. *International Conference on Research in Computational Molecular Biology (RECOMB 2012)*. April 21-24, 2012. Barcelona, Spain. 314-325. Conference Proceedings
- Huang, Heng, et al. (2012). Robust and discriminative distance for multi-instance learning. *IEEE Conference on Computer Vision and Pattern Recognition*. June 16-21, 2012. Providence, RI. 2919-2924. doi: 10.1109/CVPR.2012.6248019 Conference Proceedings
- Huang, Heng, et al. (2012). Robust matrix completion via joint Schatten p-norm and lp-norm minimization. *IEEE International Conference on Data Mining (ICDM 2012)*. December 10-13, 2012. Brussels, Belgium. 566-574. doi: 10.1109/ICDM.2012.160 Conference Proceedings
- Huang, Heng, et al. (2012). Trust prediction via aggregating heterogeneous social networks. *ACM Conference on Information and Knowledge Management*. October 29–November 2, 2012. Maui, HI. 1774-1778. doi: 10.1145/2396761.2398515 Conference Proceedings
- Huang, Junzhou, et al. (2012). Automatic image annotation and retrieval using group sparsity. *IEEE Transactions on Systems, Man, and Cybernetics: Part B*, 42(3), 838-849. Journal Article
- Huang, Junzhou, et al. (2012). Background subtraction using group sparsity and low rank constraint. *European Conference on Computer Vision (ECCV'12)*. October 7-13, 2012. Florence, Italy. Conference Proceedings
- Huang, Junzhou, et al. (2012). Compressed magnetic resonance imaging based on wavelet sparsity and nonlocal total variation. *IEEE International Symposium on Biomedical Imaging (ISBI'12)*. May 2-5, 2012. Barcelona, Spain. 968-971. doi: 10.1109/ISBI.2012.6235718 Conference Proceedings
- Huang, Junzhou, et al. (2012). Fast multi-contrast MRI reconstruction. *International Conference on Medical Image Computing and Computer Assisted Intervention*. October 1-5, 2012. Nice, France. Conference Proceedings
- Huang, Junzhou, et al. (2012). Learning active facial patches for expression analysis. *IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR'12)*. June 16-21, 2012. Providence, RI. 2562-2569. doi: 10.1109/CVPR.2012.6247974 Conference Proceedings
- Huang, Junzhou, et al. (2012). Left endocardium segmentation using spatio-temporal metamorphs. *IEEE International Symposium on Biomedical Imaging (ISBI'12)*. May 2-5, 2012. Barcelona, Spain. 226-229. doi: 10.1109/ISBI.2012.6235525 Conference Proceedings
- Huang, Junzhou, et al. (2012). Robust eyelid tracking for fatigue detection. *IEEE International Conference on Image Processing (ICIP'12)*. September 30-October 3, 2012. Orlando, FL. Conference Proceedings
- Huang, Junzhou, et al. (2012). Robust face tracking with a consumer depth camera. *IEEE International Conference on Image Processing (ICIP'12)*. September 30-October 3, 2012. Orlando, FL. 561-564. Conference Proceedings
- Huang, Junzhou, et al. (Advance Online). Robust visual tracking using local sparse appearance model and K-selection. *IEEE Transactions on Pattern Analysis and Machine Intelligence.*, (99) doi: 10.1109/TPAMI.2012.215 Journal Article

COLLEGE OF ENGINEERING

- Huang, Junzhou, et al. (2012). Simplified labeling process for medical image segmentation. *International Conference on Medical Image Computing and Computer Assisted Intervention*. October 1-5, 2012. Nice, France. 15(Part 2) 387-394. Conference Proceedings
- Huber, Manfred**, et al. (2012). Improving tractability of POMDPs by separation of decision and perceptual processes. *IEEE International Conference on Systems, Man, and Cybernetics*. October 14-17, 2012. Seoul, South Korea. 593-598. doi: 10.1109/ICSMC.2012.6377790 Conference Proceedings
- Huber, Manfred, et al. (2012). Inverse reinforcement learning for decentralized non-cooperative multiagent systems. *IEEE International Conference on Systems, Man, and Cybernetics*. October 14-17, 2012. Seoul, South Korea. 1930-1935. doi: 10.1109/ICSMC.2012.6378020 Conference Proceedings
- Huber, Manfred, et al. (2012). Social influence modeling for utility functions in model predictive control. *International Florida Artificial Intelligence Research Society Conference (FLAIRS 2012)*. May 23-25, 2012. Marco Island, FL. 20-25. Conference Proceedings
- Huber, Manfred, et al. (2012). Symbol generation and feature selection for reinforcement learning agents using affordances and U-trees. *IEEE International Conference on Systems, Man, and Cybernetics*. October 14-17, 2012. Seoul, South Korea. 657-662. doi: 10.1109/ICSMC.2012.6377801 Conference Proceedings
- Huber, Manfred, et al. (2012). Symbol generation and grounding for reinforcement learning agents using affordances and dictionary compression. *International Florida Artificial Intelligence Research Society Conference (FLAIRS 2012)*. May 23-25, 2012. Marco Island, FL. Conference Proceedings
- Kong, Deguang**, et al. (2012). Multi-label ReliefF and F-statistic feature selections for image annotation. *IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2012)*. June 16-21, 2012. Providence, RI. 2352-2359. doi: 10.1109/CVPR.2012.6247947 Conference Proceedings
- Kumar, Mohan J.**, et al. (2012). Delay tolerant lazy release consistency for distributed shared memory in opportunistic networks. *IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks, (WoWMoM 2012), Workshop on Autonomic and Opportunistic Communications (AOC)*. June 25-28, 2012. San Francisco, CA. 1-6. doi: 10.1109/WoWMoM.2012.6263745 Conference Proceedings
- Kumar, Mohan J., et al. (2012). Looking ahead in pervasive computing: Challenges and opportunities in the era of cyber-physical convergence. *Pervasive and Mobile Computing*, 8(1), 2-21. Journal Article
- Li, Chengkai**, et al. (2012). Entity-relationship queries over Wikipedia. *ACM Transactions on Intelligent Systems and Technology*, 3(4), 1-20. Journal Article
- Li, Chengkai, et al. (2012). Infobox suggestion for Wikipedia entities. *ACM International Conference on Information and Knowledge Management (CIKM)*. October 2012. Maui, HI. *October 29-November 2, 2012* 2307-2310. doi: 10.1145/2396761.2398627 Conference Proceedings
- Li, Chengkai, et al. (2012). On one of the few objects. *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD)*. August 12-16, 2012. Beijing, China. 1487-1495. doi: 10.1145/2339530.2339762 Conference Proceedings
- Li, Chengkai, et al. (2012). One size does not fit all: Towards user- and query-dependent ranking for web databases. *IEEE Transactions on Knowledge and Data Engineering*, 24(9), 1671-1685. Journal Article
- Li, Chengkai, et al. (2012). An optimization framework for map-reduce queries. *International Conference on Extending Database Technology (EDBT)*. March 27-30, 2012. Berlin, Germany. 26-37. doi: 10.1145/2247596.2247601 Conference Proceedings
- Liu, Donggang**, et al. (Accepted). Efficient and timely jamming detection in wireless sensor networks. *IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS)*. Conference Proceedings
- Liu, Donggang, et al. (2012). Fast jamming detection in sensor networks. *IEEE International Conference on Communications (ICC)*. June 10-15, 2012. Ottawa, Canada. 934-938. doi: 10.1109/ICC.2012.6363672 Conference Proceedings

- Liu, Donggang, et al. (Submitted). Providing DoS Resistance for signature-based broadcast authentication in sensor networks. *ACM Transactions on Embedded Computing Systems*, Journal Article
- Liu, Donggang, et al. (2012). Using data mules to preserve source location privacy in wireless sensor networks. *International Conference on Distributed Computing and Networking*. January 3-6, 2012. Hong Kong, China. 309-324. doi: 10.1007/978-3-642-25959-3_23 Conference Proceedings
- Makedon, Fillia.** *ACM Multimedia Systems Journal*, Editor
- Makedon, Fillia. *Journal of eJETA-The Electronic Journal on E-Commerce Tools and Applications*, Editor
- Mariottini, Gian-Luca**, et al. (2012). An accurate and robust visual-compass algorithm for robot-mounted omnidirectional cameras. *Robotics and Autonomous Systems*, 60(9), 1179-1190. Journal Article
- Mariottini, Gian-Luca, et al. (2012). Calibration of kinect-style cameras: A comparative study. *International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2012)*. June 6-8, 2012. Haraklion, Greece. doi: 10.1145/2413097.2413159 Conference Proceedings
- Schoech, Richard (Dick).** *Currents*, Editorial Board
- Schoech, Richard (Dick). *JCR: The Journal of CyberTherapy and Rehabilitation*, Editorial Board
- Schoech, Richard (Dick). *Journal of Community Practice*, Editorial Board
- Schoech, Richard (Dick). *Journal of Technology in Human Services; Incorporating Computers in Human Services*, Editor
- Wright, Matthew**, et al. (2012). Distributed detection of mobile malicious node attacks in wireless sensor networks. *Ad Hoc Networks*, 10(3), 512-523. Journal Article
- Wright, Matthew, et al. (2012). Fast jamming detection in sensor networks. *IEEE International Conference on Communications (ICC 2012)*. June 10-15, 2012. Ottawa, Canada. 934-938. Conference Proceedings
- Wright, Matthew, et al. (Eds.) (2012). *Privacy Enhancing Technologies, 12 International Symposium*. July 11-13, 2012. Vigo, Spain. Book, Editor
- Wright, Matthew, et al. (2012). Using data mules to preserve source location privacy in wireless sensor networks. *International Conference on Distributed Computing and Networking (ICDCN 2012)*. January 3-6, 2012. Hong Kong, China. 309-324. doi: 10.1007/978-3-642-25959-3_23 Conference Proceedings
- Wright, Matthew, et al. (2012). Zonetrust: Fast zone-based node compromise detection and revocation in sensor networks using sequential analysis. *Transactions on Dependable and Secure Computing*, 9(4), 494-511. Journal Article
- Záruba, Gergely Vid**, et al. (2012). Easing congestion in computer networks using Receiver-Window Modification (RWM) scheme. *International Journal of Networks and Communications*, 2(5), 62-74. doi: 10.5923/j.ijn.20120205.01 Journal Article
- Záruba, Gergely Vid, et al. (2012). A game theoretic framework for communication in fully observable multiagent systems. *International Conference on Machine Learning and Applications (ICMLA 2012)*. December 12-15, 2012. Boca Raton, FL. 1761-1776. Conference Proceedings
- Záruba, Gergely Vid, et al. (2012). Inverse reinforcement learning for decentralized non-cooperative multiagent systems. *IEEE International Conference on Systems, Man, and Cybernetics*. October 14-17, 2012. Seoul, Korea. 1930-1935. Conference Proceedings
- Záruba, Gergely Vid. (2012). *Location and tracking system, method and device using wireless technology*, UTA Ref. No. 08-36, Patent No. 8,179,253. Issue Date 5/15/2012 Patent
- Záruba, Gergely Vid, et al. (2012). On the use of smart ants for efficient data forwarding in wireless mesh networks. *International Journal of Wireless and Mobile Networks*, 4(2), 117-134. Journal Article
- Záruba, Gergely Vid, et al. (2012). Partially overlapping channel assignments. *Wireless mesh networks - Efficient link scheduling, channel assignment and network planning strategies* doi: 10.5772/2612 Book Chapter
- Záruba, Gergely Vid, et al. (2012). A probabilistic analysis of data popularity in ATLAS data caching. *International Conference on Computing in High Energy and Nuclear Physics (CHEP)*. May 21-25, 2012. New York, NY. Conference Proceedings

COLLEGE OF ENGINEERING

Electrical Engineering – Dr. Jonathan Bredow, Chair

- Butler, Donald P.**, et al. (2012). Applications of RF sputtered SixGe1-x and SixGe1-xOy thin films for uncooled infrared detectors. In Regina V. Germano (Ed.), *Germanium: properties, production and applications*. (pp. 233-268) Book Chapter
- Butler, Donald P., et al. (2012). MEMS absolute pressure sensor on a flexible substrate. *IEEE MEMS Conference*. January 29-February 2. 575. Conference Proceedings
- Butler, Donald P., et al. (2012). MEMS on flexible substrates. In Bharat Bhushan (Ed.), *Encyclopedia of nanotechnology*. Book Chapter
- Butler, Donald P., et al. (2012). MEMS sensors on flexible substrate towards a smart skin. *IEEE SENSORS Conference*. Oct. 28-31, 2012. Taipei, Taiwan. Conference Proceedings
- Butler, Donald P., et al. (2012). Micromachined force sensors using thin film nickel chromium piezoresistors. *Journal of Micromechanics and Microengineering*, 22(6), Article ID: 065002. doi: 10.1088/0960-1317/22/6/065002 Journal Article
- Butler, Donald P., et al. (2012). A NEMS vibration energy harvester using ordered piezoelectric zinc oxide nanorod array. *IEEE SENSORS Conference*. October 28-31, 2012. Taipei, Taiwan. Conference Proceedings
- Butler, Donald P., et al. (2012). Pyroelectric modified lead titanate thin films for uncooled infrared detection. *IEEE Optical MEMS and Nanophotonics Conference*. August 6-9, 2012. Banff, Canada. Conference Proceedings
- Butler, Donald P., et al. (2012). Temperature sensor in a flexible substrate. *IEEE Sensors Journal*, 12, 864-869. Journal Article
- Celik-Butler, Zeynep**. *IEEE Transactions on Electron Devices*, Editor
- Celik-Butler, Zeynep. *Special issue on Flexible Sensors and Sensor Systems in IEEE Sensors Journal*, Guest Editor
- Davoudi, Ali**, et al. (2012). Accelerated simulation of ultracapacitors using waveform relaxation techniques. *IEEE Transportation Electrification Conference and Expo (ITEC)*. June 18-20, 2012. Dearborn, MI. Conference Proceedings
- Davoudi, Ali, et al. (2012). Automated system identification and controller tuning for digitally-controlled dc-dc converters. *IET Power Electronics*, 5, 765-772. doi: 10.1049/iet-pel.2011.0085 Journal Article
- Davoudi, Ali, et al. (2012). Batteries, battery management, and battery charging technology. In Robert A. Meyers (Ed.), *Encyclopedia of sustainability science and technology*. (pp. 671-706) Book Chapter
- Davoudi, Ali, et al. (2012). Capacitor design considering first swing stability of distributed generations. *IEEE Transactions on Power Systems*, 27, 1941-1948. Journal Article
- Davoudi, Ali, et al. (2012). A cascaded multiple-input multiple-output topology as an efficient interface between diversified renewable energy sources and multilevel inverters. *IEEE Applied Power Electronics Conference and Exposition*. February 5-9, 2012. Orlando, FL. Conference Proceedings
- Davoudi, Ali, et al. (2012). Comparative reliability analysis of hybrid energy storage systems for vehicular applications. *IEEE Transportation Electrification Conference and Expo (ITEC)*. June 18-20, 2012. Dearborn, MI. Conference Proceedings
- Davoudi, Ali, et al. (2012). Control and circuit techniques to mitigate partial shading effects in photovoltaic arrays. *IEEE Journal of Photovoltaics*, 2, 532-546. Journal Article
- Davoudi, Ali, et al. (2012). Distributed generation placement considering first swing stability margin. *IET Electronic Letters*, 48, 724-725. Journal Article
- Davoudi, Ali, et al. (2012). Dynamic average modeling of front-end diode rectifier loads considering discontinuous conduction mode and unbalanced operation. *IEEE Transactions on Power Delivery*, 27, 421-429. Journal Article
- Davoudi, Ali, et al. (2012). Dynamic average modeling of front-end diode rectifier loads considering discontinuous conduction mode and unbal-

- anced operation. *IEEE Power Engineering Society General Meeting*. July 22-26, 2012. San Diego, CA. doi: 10.1109/PESGM.2012.6345513 Conference Proceedings
- Davoudi, Ali, et al. (2012). Dynamic average-value modeling of hybrid-electric vehicular power systems. *IEEE Power and Energy Society General Meeting*. July 22-26, 2012. San Diego, CA. Conference Proceedings
- Davoudi, Ali, et al. (2012). Dynamic average-value modeling of hybrid-electric vehicular power systems. *IEEE Transactions on Power Delivery*, 27, 430-438. Journal Article
- Davoudi, Ali, et al. (2012). Dynamic modeling and characterization of vehicular power system considering alternator iron core and rectifier losses. *IET Electrical Systems in Transportation*, 2, 58-67. Journal Article
- Davoudi, Ali, et al. (2012). Flexible simulation of multi-frequency averaged and high-fidelity switch-level models with control loops. *IEEE Applied Power Electronics Conference and Exposition*. January 5-9, 2012. Orlando, FL. Conference Proceedings
- Davoudi, Ali, et al. (2012). A global maximum power point tracking method for photovoltaic module integrated converters. *2012 IEEE Energy Conversion Congress and Exposition, ECCE 2012*. September 15-20, 2012. Raleigh, NC. 4762-4767. Conference Proceedings
- Davoudi, Ali, et al. (2012). Hall sensor-based locking electric differential system for BLDC motor driven electric vehicles. *IEEE International Electric Vehicle Conference (IEVC)*. March 4-8, 2012. Greenville, SC. Conference Proceedings
- Davoudi, Ali, et al. (2012). Hierarchical structure of microgrids control system. *IEEE Transactions on Smart Grid*, 3, 1963-1976. Journal Article
- Davoudi, Ali, et al. (2012). Interfacing issues in multi-domain simulation tools. *IEEE Transactions on Power Delivery*, 27(439), 448. Journal Article
- Davoudi, Ali. *IEEE Transactions on Industrial Informatics*, Associate Editor
- Davoudi, Ali. *IEEE Transactions on Industry Applications*, Associate Editor
- Davoudi, Ali. *IEEE Transactions on Vehicular Technology*, Associate Editor
- Davoudi, Ali. (2012). Order-reduction techniques for magnetic components in power electronics. *IEEE Transportation Electrification Conference and Expo (ITEC)*. June 18-20, 2012. Dearborn, MI. Conference Proceedings
- Davoudi, Ali, et al. (2012). Output power maximization and optimal symmetric freewheeling excitation for switched reluctance generators. *IEEE Industrial and Commercial Power Systems Technical Conference*. May 20-24, 2012. Louisville, KY. Conference Proceedings
- Davoudi, Ali, et al. (2012). Reduced-order dynamic modeling of multiple-winding power electronic magnetic components. *IEEE Trans. Power Electronics*, 27(2220), 2226. Journal Article
- Davoudi, Ali, et al. (2012). Simulation-based dynamic characterization of transformer-isolated machine-rectifier systems. *IEEE Transportation Electrification Conference and Expo (ITEC)*. June 18-20, 2012. Dearborn, MI. Conference Proceedings
- Davoudi, Ali, et al. (2012). Torque sharing between V/F controlled vehicular wheels under slippery ground conditions. *IEEE Transportation Electrification Conference and Expo (ITEC)*. June 18-20, 2012. Dearborn, MI. doi: 10.1109/ITEC.2012.6243475 Conference Proceedings
- Davoudi, Ali, et al. (2012). Unified approach to reliability assessment of multiphase dc-dc converters in photovoltaic energy-conversion systems. *IEEE Transactions on Power Electronics*, 27(739), 751. Journal Article
- Engels, Daniel W.** (2012). *Single antenna single reader system and method for locating a tag*. UTA Ref. No. 08-19, Patent No. 8,102,267. Issue Date 1/24/2012 Patent
- Fahimi, Babak.** (2012). *Diagnostic techniques for the measurement of mutual inductance in a switched reluctance machine*, UTA Ref. No. 07-10, Patent No. 8,125,170. Issue Date 2/28/2012 Patent
- Fahimi, Babak, et al. (2012). *Methods and apparatuses for fault management in permanent magnet synchronous machines using the field reconstruction method*, UTA Ref. No. 09-32, Patent No. 8,314,576. Issue Date 11/20/2012 Patent
- Fahimi, Babak, et al. (2012). *Methods and systems for phase current reconstruction of AC drive systems*, UTA Ref. No. 09-27, Patent No. 8,248,839. Issue Date 8/21/2012 Patent

COLLEGE OF ENGINEERING

- Iqbal, Samir M. *American Journal of Cancer Research*, Associate Editorial Board
- Iqbal, Samir M. *Computer Science-Undergraduate Research Journal*, Editorial Board
- Iqbal, Samir M., et al. (2012). Detection of tumor cells from image analysis of transient morphological changes. *ACM International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2012)*. June 6-8, 2012. Crete, Greece. Conference Proceedings
- Iqbal, Samir M., et al. (2012). Distinct behavior of metastatic tumor cells on nano-textured aptamer functionalized chips. *US-Korea Joint Symposium of Nanotechnology*. May 1-4, 2012. Grapevine, TX. Conference Proceedings
- Iqbal, Samir M., et al. (2012). Eco-friendly deposition of fluorinated nano-textured composites. *International Conference on Materials Science and its Applications (ICMSA)*. February 13-15 2012. Taif, Saudi Arabia. Conference Proceedings
- Iqbal, Samir M., et al. (2012). Electrical detection of cancer biomarker using aptamers with nanogap break junctions. *Nanotechnology*, 23(27), 275502. Journal Article
- Iqbal, Samir M., et al. (2012). Electrical fingerprinting, 3D profiling and detection of tumor cells with solid-state micropores. *Lab on a Chip*, 12(13), 2345-2352. Journal Article
- Iqbal, Samir M., et al. (2012). GPU-based real-time detection and analysis of biological targets using solid-state nanopores. *Medical Biological Engineering Computing*, 506(605), 615. Journal Article
- Iqbal, Samir M. *Journal of Bioengineering & Biomedical Science*, Editorial Board
- Iqbal, Samir M., et al. (2012). Low concentration circulating tumor cell detection with functionalized solid state micropore. *US-Korea Joint Symposium of Nanotechnology*. May 1-4, 2012. Grapevine, TX. Conference Proceedings
- Iqbal, Samir M., et al. (2012). Microheater platform for selective detachment of DNA. *Applied Physics Letters*, 101(9), 093707. doi: 10.1063/1.4748308 Journal Article
- Iqbal, Samir M., et al. (2012). Nano-electrode break-junctions for electrical detection of cancer biomarkers. *US-Korea Joint Symposium of Nanotechnology*. May 1-4, 2012. Grapevine, TX. Conference Proceedings
- Iqbal, Samir M., et al. (2012). *Nano-scale biosensors*, UTA Ref. No. 08-40, Patent No. 8283,936. Issue Date 10/09/2012 Patent
- Iqbal, Samir M., et al. Nanostructures for medicine and pharmaceuticals. *Journal of Nanomaterials*, 2012 doi: 10.1155/2012/486301 Journal, Electronic
- Iqbal, Samir M., et al. (2012). Nano-textured substrates with immobilized aptamers for cancer cell isolation and cytology. *Cancer*, 118(4), 1145-1154. Journal Article
- Iqbal, Samir M., et al. (2012). Parametric thermal analysis of TSVs in a 3-D module based on interconnect delay and silicon efficiency. *IEEE Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITherm 2012)*. May 30-June 1, 2012. San Diego, CA. 150-156. doi: 10.1109/ITHERM.2012.6231425 Conference Proceedings
- Iqbal, Samir M., et al. (2012). PLGA micro and nanoparticles loaded into gelatin scaffold for controlled drug release. *IEEE Transactions on Nanotechnology*, 11(3), 546-553. Journal Article
- Iqbal, Samir M., et al. (2012). PLGA nano and microparticles loaded into gelatin scaffold for controlled drug release. *IEEE Transactions on Nanotechnology*, 11(3), 546-553. Journal Article
- Iqbal, Samir M., et al. (2012). Real-time detection, clustering and analysis of micropore cell translocation data with commercial graphics processor. *US-Korea Joint Symposium of Nanotechnology Workshops (JSNT)*. May 1-4, 2012. Grapevine, TX. Conference Proceedings
- Iqbal, Samir M., et al. (2012). Self-assembled synthesis and characterization of microchannels in polymeric membranes. *Journal of Applied Physics*, 112(2), 024701 (8 pages). Journal Article
- Iqbal, Samir M., et al. (2012). Viscosity and surface-free energy effects in thermal shrinking of solid-state nanopores. *Applied Physics Letters*, 100(23), 233107. Journal Article
- Kondraske, George.** (2012). *National Academy of Inventors Fellow Award*

- Lee, Wei-Jen. *Automation & Control Engineering*, Editor
- Lee, Wei-jen, et al. (2012). Comparison of switching surges related issues between traditional and smart meters. *IEEE-IAS Industrial & Commercial Power Systems Technical Conference*. May 20-24, 2012. Louisville, KY. Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Control and simulation of grid-connected micro-grid. *IEEE Power and Energy Society General Meeting*. July 22-26, 2012. San Diego, CA. 1-6. doi: 10.1109/PESGM.2012.6344985 Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Demand response – an assessment of load participation in the ERCOT nodal market. *IEEE Power and Energy Society General Meeting*. July 22-26, 2012. San Diego, CA. 1-10. doi: 10.1109/PESGM.2012.6344981 Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Design optimization of PHEV charging station. *Industrial & Commercial Power Systems Technical Conference (I&CPS) and IEEE/IAS*. May 20-24, 2012. Louisville, KY. 1-7. doi: 10.1109/ICPS.2012.6229606 Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Development of frequency variable inverter based on SOPC and Nios II. *Industrial & Commercial Power Systems Technical Conference (I&CPS)*. May 20-24, 2012. Louisville, KY. 1-7. doi: 10.1109/ICPS.2012.6229596 Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Evaluating the use of a MicroGrid as a power solution for Africa's rural areas. *IEEE Power and Engineering Society General Meeting*. July 22-26, 2012. San Diego, CA. 1-5. doi: 10.1109/PESGM.2012.6345186 Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Forecasting power output of photovoltaic system based on weather classification and support vector machine. *IEEE Transactions on Industry Applications*, 48(3), 1064-1069. Journal Article
- Lee, Wei-Jen, et al. (2012). High performance arcing fault localization in distribution networks. *IEEE Transactions on Industry Applications*, 48(3), 1107-1114. Journal Article
- Lee, Wei-Jen. *IEEE/NFPA Arc Flash Phenomena Collaborative Research Project*, Project Manager
- Lee, Wei-Jen. *IEEE Transactions on Industry Applications*, Associate Editor
- Lee, Wei-Jen, et al. (2012). Incorporating demand response with spinning reserve to realize an adaptive frequency restoration plan for system contingencies. *IEEE Transactions on Smart Grid*, 3(3), 1145-1153. Journal Article
- Lee, Wei-Jen. *International Journal of Power and Energy Systems*, Associate Editor
- Lee, Wei-Jen, et al. (2012). An investigation on the active power variations of wind farms. *IEEE Transactions on Industry Applications*, 48(3), 1087-1094. Journal Article
- Lee, Wei-Jen, et al. (2012). A new measurement method for power signatures of non-intrusive demand monitoring and load identification. *IEEE Transactions on Industry Applications*, 48(2), 764-771. Journal Article
- Lee, Wei-Jen, et al. (2012). Power quality monitoring and control for DFIG wind generation. *IEEE Power and Engineering Society General Meeting*, July 22-26, 2012. San Diego, CA. 1-8. doi: 10.1109/PESGM.2012.6344988 Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Probabilistic short-term wind power forecast using componential sparse Bayesian learning. *IEEE-IAS Industrial & Commercial Power Systems Technical Conference*. May 20-24, 2012. Louisville, KY. 1-8. Conference Proceedings
- Lee, Wei-Jen, et al. (2012). Probability density function of wind power variations. *Proceedings of the Chinese Society for Electrical Engineering*, 32(1), 38-46. Journal Article
- Lee, Wei-Jen, et al. (2012). Short-term wind power prediction based on wavelet-support vector machine and statistic characteristics analysis. *IEEE Transactions on Industry Applications*, 48(4), 1136-1141. Journal Article
- Lee, Wei-Jen, et al. (2012). A survey of harmonic emissions of a commercial operated wind farm. *IEEE Transactions on Industry Applications*, 48(3), 1115-1123. Journal Article
- Lee, Wei-Jen. *Transactions of the Institute of Measurement and Control*, Editor

COLLEGE OF ENGINEERING

Lee, Wei-Jen, et al. (2012). Weighted parallel algorithm to improve the performance of short-term wind power forecasting. *IEEE Power and Energy Society General Meeting*. July 22-26, 2012. San Diego, CA. 1-6. doi: 10.1109/PESGM.2012.6344992 Conference Proceedings

Lewis, Frank L. *Automation & Control Engineering*, Editor

Lewis, Frank L. (2012). *China Distinguished Foreign Scholar*, Nanjing University Award

Lewis, Frank L. *Journal of Control Theory and Applications*, Deputy Editor-in-Chief

Lewis, Frank L. (2012). *IEEE Computational Intelligence Society Neural Networks Pioneer Award* Award

Lewis, Frank L. (2012). *IEEE Control Systems Society Distinguished Lecturer, 2012-2015* Award

Lewis, Frank L., et al. (2012). *Intelligent control of industrial and power systems* Book

Lewis, Frank L. *International Journal of Systems Science*, Regional Editor for North America

Frank, Lewis L., et al (Eds.). (2012). *Journal of Defense Modeling & Simulation, Special Issue on Intelligent Behaviors for Tactical Unmanned Systems* Editor

Lewis, Frank L., et al (2012). *Optimal adaptive control and differential games by reinforcement learning principles* Book

Lewis, Frank L. (2012). *Optimal control* (3rd ed.) Book

Lewis, Frank L., et al (Eds.). (2012). *Reinforcement learning and approximate dynamic programming for feedback control* Book Editor

Lewis, Frank L., *Transactions of the Institute of Measurement and Control*, Editor

Liang, Qilian. *Ad Hoc and Sensor Wireless Networks Journal*, Editor

Liang, Qilian. *EURASIP Journal of Wireless Communications and Networking*, Guest Editor

Liang, Qilian. *IEEE Transactions on Fuzzy System*, Associate Editor

Liang, Qilian. *International Journal of Sensor Networks*, Guest Editor

Liang, Qilian. *Journal of Energy*, Editorial Board

Liang, Qilian. *Wiley Security and Communication Networks (SCN journal)*, Guest Editor

Magnusson, Robert, et al. (2012). Analytic theory of the resonance properties of metallic nanoslit arrays. *IEEE Journal of Quantum Electronics*, 48(7), 852-861. Journal Article

Magnusson, Robert, et al. (2012). Detection of novel biomarkers for ovarian cancer with an optical nanotechnology detection system enabling label-free diagnostics. *Journal of Biomedical Optics*, 17(8), 081412-1-081412-8. Journal Article

Magnusson, Robert, et al. (2012). Efficient guided-mode-resonant tunable color filters. *Photonics Technology Letters*, 24(17), 1552-1554. Journal Article

Magnusson, Robert, et al. (2012). Experimental observation of leaky modes and plasmons in a hybrid resonance element. *Applied Physics Letters*, 100(9), 091106-1-091106-3. Journal Article

Magnusson, Robert, et al. (2012). Fabrication and characterization of large, perfectly periodic arrays of metallic nanocups. *Plasmonics*, 7(2), 1-5. Journal Article

Magnusson, Robert. *Journal of Biosensors & Bioelectronics*, Editorial Board

Magnusson, Robert. *Journal of ISRN Optics*, Editorial Board

Magnusson, Robert. *Journal of Modern Physics and Applications*, Editorial Board

Magnusson, Robert. (2012). *National Academy of Inventors Fellow* Award

Magnusson, Robert. *Scientific World Journal* (Special Issue on Point-of-Care Diagnostics for Screening of Infectious Disease), Guest Editor

Magnusson, Robert. (2012). Spectrally dense comb-like filters fashioned with thick guided-mode resonant gratings. *Optics Letters*, 37(18), 3792-3794. Journal Article

- Magnusson, Robert, et al. (2012). Total absorption of TM polarized light in a 100nm spectral band in a nanopatterned thin a-Si film. *Optics Letters*, 37(11), 2103-2105. Journal Article
- Manry, Michael.** *NeuroComputing*, Associate Editor
- Schizas, Ioannis**, et al. (Accepted). Covariance-domain sparsity for data compression and denoising. *IEEE Transactions on Signal Processing*, Journal Article
- Schizas, Ioannis. (2012). Distributed informative-sensor determination via sparsity-cognizant matrix decomposition. *IEEE Statistical Signal Processing Workshop (SSP 2012)*, August 5-8, 2012. Ann Arbor, MI. 41-44. doi: 10.1109/SSP.2012.6319720 Conference Proceedings
- Tao, Meng**, et al. (2012). *N-type doping in metal oxides and metal chalcogenides by electrochemical methods*, UTA Ref. No 08-33, Patent No. 8,212,246. Issue Date 07/03/2012 Patent
- Tjuatja, Saibun**, et al. (2012). Evaluation of emission from snow-covered ground for passive microwave remote sensing. *International Journal of Remote Sensing*, 33(3), 872-886. Journal Article
- Tjuatja, Saibun, et al. (2012). MUSIC and ICA algorithms applied to full polarimetric ISAR imaging. *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*. July 22-27 2012. Munich, Germany. 5774-5777. doi: 10.1109/IGARSS.2012.6352298 Conference Proceedings
- Tjuatja, Saibun, et al. (2012). A numerical model for microwave emission from soil with vegetation cover. *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*. July 22-27, 2012. Munich, Germany. 5173-5176. doi: 10.1109/IGARSS.2012.6352445 Conference Proceedings
- Tjuatja, Saibun, et al. (2012). Parameter analysis of precipitation effects on sea surface scattering. *IEEE International Geoscience Remote Sensing Symposium (IGARSS)*. July 22-27, 2012. Munich, Germany. 5813-5816. doi: 10.1109/IGARSS.2012.6352288 Conference Proceedings
- Tjuatja, Saibun, et al. (2012). Super-resolution ISAR imaging using polarimetric techniques for subspace dimensionality. *IEEE International Geoscience Remote Sensing Symposium (IGARSS)*. July 22-27, 2012. Munich, Germany. 6134-6137. doi: 10.1109/IGARSS.2012.6352206 Conference Proceedings
- Vasilyev, Michael**, et al. (2012). *Compact multi-port optical signal processor*, UTA Ref. No. 09-05, Patent No. 8,340,484. Issue date 12/25/2012 Patent
- Vasilyev, Michael. *IEEE Journal of Special Topics in Quantum Electronics (Special Issue on Nonlinear-Optical Signal Processing)*, Lead Guest Editor
- Wetz, David Alan**, et al. (2012). Development of a power electronic test stand for recharging electrochemical energy storage devices at pulsed elevated rates. *Applied Power Electronics Conference (APEC) and Exposition*. February 5-9, 2012. Orlando, FL. 2159-2166. doi: 10.1109/APEC.2012.6166120 Conference Proceedings
- Wetz, David Alan, et al. (2012). Evaluating the use of a microgrid as a power solution for Africa's rural areas. *IEEE Power Engineering Society General Meeting*. July 22-26, 2012. San Diego, CA. 1-5. doi: 10.1109/PESGM.2012.6345186 Conference Proceedings
- Wetz, David Alan, et al. (2012). Evaluation of the switching surges generated during the installation of legacy and 'smart' electric metering equipment. *Industrial Commercial Power Systems Technical Conference*. May 20-24, 2012. Louisville, KY. doi: 10.1109/ICPS.2012.6229617 Conference Proceedings
- Wetz, David Alan, et al. (2012). High power electrochemical energy storage for directed energy applications. *SAE Power Systems Conference*. October 30 - November 1, 2012. Phoenix, AZ. doi: 10.4271/2012-01-2200 Conference Proceedings
- Zhou, Weidong**, et al. (2012). Ag-assisted electrochemical etching of silicon for antireflection in large area crystalline thin film photovoltaics. *IEEE Photovoltaic Specialists Conference*. June 3-8, 2012. Austin, TX. 2563-2565. doi: 10.1109/PVSC.2012.6318118 Conference Proceedings

COLLEGE OF ENGINEERING

- Zhou, Weidong, et al. (2012). Broadband membrane reflectors on glass. *IEEE Photonics Technology Letters*, 24(6), 476-478. Journal Article
- Zhou, Weidong, et al. (2012). Design criteria for nanostructured omni-directional anti-reflection coatings. *IEEE Photovoltaic Specialists Conference*. June 3-8, 2012. Austin, TX. Conference Proceedings
- Zhou, Weidong, et al. (2012). Design of an angle detector for laser beams based on grating coupling. *Micromachines*, 3(1), 36-44. Journal Article
- Zhou, Weidong, et al. (2012). Design of second order grating couplers to detect the angle and polarization of the laser beam. *SPIE Conference on High Contrast Metastructures*. January 21-26, 2012. San Francisco, CA. 8270 82700M-1-82700M-9. doi: 10.1117/12.907742 Conference Proceedings
- Zhou, Weidong, et al. (2012). Fabrication and characterization of Si/GaInP heterojunction photodetectors. *Symposium on Photonics and Optoelectronics (SOPO 2012)*. May 21-23, 2012. Shanghai, China. 1-3. doi: 10.1109/SOPO.2012.6271117 Conference Proceedings
- Zhou, Weidong, et al. (2012). Fast flexible electronics using transferrable silicon nanomembranes. *Journal of Physics D: Applied Physics*, 45(14), Article ID: 143001. doi: 10.1088/0022-3727/45/14/143001 Journal Article
- Zhou, Weidong, et al. (2012). High-speed microwave thin-film transistors based on transferrable semiconductor nanomembranes. *IEEE International Conference on Solid-State and Integrated Circuit Technology (ICSICT)*. October 29-November 1, 2012. Xi'an, China. 1-4. doi: 10.1109/ICSICT.2012.6467577 Conference Proceedings
- Zhou, Weidong, et al. (2012). Highly sensitive organic-inorganic heterojunction flexible photodetectors. *NSTI Nanotechnology Conference and Exposition*. June 18-21, 2012. Santa Clara, CA. 1-4. Conference Proceedings
- Zhou, Weidong, et al. (2012). *Hybrid vertical cavity light sources based on stacked nano membranes and processes for forming the same*, UTA Ref. No. 08-23, U.S. Patent No. 8,217,410 Patent
- Zhou, Weidong, et al. (2012). Large area imprinted surface textures for omnidirectional conformal AR coatings on flexible amorphous silicon solar cells. *IEEE Photovoltaic Specialists Conference*. June 3-8, 2012. Austin, TX. 000327-000330. doi: 10.1109/PVSC.2012.6317628 Conference Proceedings
- Zhou, Weidong, et al. (2012). Nanomembrane photonics for Si photonic integration and flexible optoelectronics. *American Physical Society March Meeting*. February 27-March 2, 2012. Boston, MA. 57(1) Conference Proceedings
- Zhou, Weidong, et al. (2012). Nanomembrane transfer printing for MR-VCSELs on silicon. *IEEE Photonics Conference*. September 23-27, 2012. San Francisco, CA. 951-952. doi: 10.1109/IPCon.2012.6359311 Conference Proceedings
- Zhou, Weidong, et al. (2012). Print transferrable large-area broadband membrane reflectors by laser interference lithography. *NSTI Nanotechnology Conference and Exposition*. June 18-21, 2012. Santa Clara, CA. 2 23-26. Conference Proceedings
- Zhou, Weidong, et al. (2012). Semiconductor nanomembranes for integrated silicon photonics and flexible photonics. *Optical and Quantum Electronics*, 44, 605-611. Journal Article
- Zhou, Weidong, et al. (2012). Spectral selective absorption enhancement from stacked ultra-thin InGaAs/Si Fano resonance membranes. *SPIE Quantum Sensing and Nanophotonic Devices*. January 21-26, 2012. San Francisco, CA. 8268 82680G-1-82680G-7. doi: 10.1117/12.907484 Conference Proceedings
- Zhou, Weidong, et al. (2012). Stacked fano resonance photonic crystal nanomembrane high-Q filters. *IEEE Photonics Conference*. September 23-27, 2012. San Francisco, CA. 721-722. doi: 10.1109/IPCon.2012.6358825 Conference Proceedings
- Zhou, Weidong, et al. (2012). Sub-wavelength diffraction losses in a silicon nano-patterned membrane reflector. *IEEE Photonics Conference*. September 23-27, 2012. San Francisco, CA. 925-926. doi: 10.1109/IPCon.2012.6359298 Conference Proceedings
- Zhou, Weidong, et al. (2012). Transfer printing photonic crystal nanomembrane lasers on silicon with low optical pumping threshold. *IEEE*

Industrial and Manufacturing Systems Engineering
– Dr. Victoria Chen, Interim Chair

International Conference on Group IV Photonics. August 29-31, 2012. San Diego, CA. 1-3. doi: 10.1109/GROUP4.2012.6324187 Conference Proceedings

Zhou, Weidong, et al. (2012). Transfer printing stacked nanomembrane lasers on silicon. *Nature Photonics*, 6, 617-622. Journal Article

Zhou, Weidong, et al. (2012). Tuning the refractive index of blended polymer films by RIR-MAPLE deposition. *Proceedings of SPIE*. January 21-26, 2012. San Francisco, CA. 8258 825806-1-825806-6. doi: 10.1117/12.906878 Conference Proceedings

Zhou, Weidong, et al. (2012). Wide-angle polarization-dependent diffraction in a silicon nano-patterned membrane reflector. *American Physical Society. Texas Section Fall Meeting*. October 25-27, 2012. Lubbock, TX. Conference Proceedings

Chen, Victoria, et al. (2012). An improved model to predict gas generation from landfills based on waste composition, rainfall, and ambient temperature. *Solid Waste Association of North America (SWANA) Annual Landfill Gas Symposium*. March. Orlando, FL. Conference Proceedings

Chen, Victoria, et al. (2012). Integrating sustainability across the curriculum: Engineering sustainable engineers. *American Society for Engineering Education Annual Conference and Exposition*. June 9-13, 2012. San Antonio, TX. Conference Proceedings

Chen, Victoria, et al. (2012). Multi-disciplinary sustainable senior design project: Design of a campus biodiesel refinery. *American Society for Engineering Education Annual Conference and Exposition*. June 9-13, 2012. San Antonio, TX. Conference Proceedings

Chen, Victoria, et al. (2012). A multivariate adaptive regression splines cutting plane approach for solving a two-stage stochastic programming fleet assignment model. *European Journal of Operational Research*, 216, 162-171. Journal Article

Chen, Victoria, et al. (2012). Sustainable engineering internships: Creation and assessment. *American Society for Engineering Education Annual Conference and Exposition*. June 9-13, 2012. San Antonio, TX. Conference Proceedings

Chen, Victoria, et al. (2012). Sustainable industrial engineering modules. *American Society for Engineering Education Annual Conference and Exposition*. June 10-13, 2012. San Antonio, TX. Conference Proceedings

Corley, H. William, et al. (Accepted). Constraint optimal selection techniques (COSTs) for nonnegative linear programming problems. *Optimization Methods and Software*, Journal Article

Corley, H. William, et al. (2012). Neural network for detecting cyclic behavior in autocorrelated processes. *Computers and Industrial Engineering*, 62(4), 1093-1108. doi: 10.1016/j.cie.2012.01.002 Journal Article

COLLEGE OF ENGINEERING

- Ferreira, Susan**, et al. (2012). Advancing the development of systems engineers using process simulators. *Conference on Systems Engineering Research (CSER 2012)*. March 19-22, 2012. St. Louis, MO. 8 81. doi: 10.1016/j.procs.2012.01.017 Conference Proceedings
- Ferreira, Susan, et al. (2012). An analysis of processes, risks, and best practices for use in developing systems engineering process simulators. *Conference on Systems Engineering Research (CSER 2012)*. March 19-22, 2012. St. Louis, MO. 8 87-92. doi: 10.1016/j.procs.2012.01.018 Conference Proceedings
- Ferreira, Susan, et al. (2012). An analysis of systems engineering strategy. *IEEE International Systems Conference (SysCon 2012)*. March 20-22, 2012. Vancouver, Canada. doi: 10.1109/SysCon.2012.6189464 Conference Proceedings
- Ferreira, Susan, et al. (2012). Constructing a general framework for systems engineering strategy. *Journal of Systems Engineering*, 15(2), 140-152. Journal Article
- Ferreira, Susan, et al. (2012). A system dynamics approach to water sustainability in healthcare. *Institute of Industrial Engineers Industrial and Systems Engineering Research Conference*. May 19-23, 2012. Orlando, FL. Conference Proceedings
- Ferreira, Susan, et al. (2012). A systems engineering perspective on proposal management. *IEEE Systems Journal*, 6(4), 667-674. doi: 10.1109/JSYST.2012.2195109 Journal Article
- Huff, Brian**, et al. (2012). Modeling of an unmanned ground vehicle for autonomous navigation and obstacle avoidance simulations. *ASME Dynamic Systems and Control Conference*. October 17-19, 2012. Ft. Lauderdale, FL. 972-977. Conference Proceedings
- Huff, Brian, et al. (2012). Real-time obstacle avoidance and waypoint navigation of an unmanned ground vehicle. *ASME Dynamic Systems and Control Conference*. October 17-19, 2012. Ft. Lauderdale, FL. 1948-1956. Conference Proceedings
- Rogers, K. Jamie**, et al. (2012). Evaluation of freight transportation productivity data collection methods and reliability. *Institute of Industrial Engineers Conference and Exposition*. May 19-23, 2012. Orlando, FL. Conference Proceedings
- Rogers, K. Jamie, et al. (2012). Integrating sustainability across the curriculum: Engineering sustainable engineers. *American Society for Engineering Education Annual Conference and Exposition*. June 10-12, 2012. San Antonio, TX. Conference Proceedings
- Rogers, K. Jamie, et al. (2012). Life cycle sustainability economics. *American Society for Engineering Education Annual Conference and Exposition*. June 10-13, 2012. San Antonio, TX. Conference Proceedings
- Rogers, K. Jamie, et al. (2012). Multi-disciplinary sustainable senior design project: Design of a campus biodiesel refinery. *American Society for Engineering Education Annual Conference and Exposition*. June 10-13, 2012. San Antonio, TX. Conference Proceedings
- Rogers, K. Jamie, et al. (2012). Reason-code based model to forecast product returns. *Foresight: The Journal of Future Studies, Strategic Thinking and Policy*, 14(2), 105-120. Journal Article
- Rogers, K. Jamie, et al. (2012). Sustainable engineering internships: Creation and assessment. *American Society for Engineering Education Annual Conference and Exposition*. June 10-13, 2012. San Antonio, TX. Conference Proceedings
- Rogers, K. Jamie, et al. (2012). Sustainable industrial engineering modules. *American Society for Engineering Education Annual Conference and Exposition*. June 10-13, 2012. San Antonio, TX. Conference Proceedings

**Materials Science and Engineering -
Dr. Efstathios "Stathis" I. Meletis, Chair**

- Aswath, Pranesh**, et al. (2012). Application of ionic liquids for anti-wear applications. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exposition*. May 6-10, 2012. St. Louis, MO. 72. Conference Proceedings
- Aswath, Pranesh. (2012). Application of XANES in tribology. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exposition*. May 6-10, 2012. St. Louis, MO. Conference Proceedings
- Aswath, Pranesh, et al. (2012). Comparison of chemistry, structure and morphology of diesel soot extracted from crankcase oil of commercially operated truck and dynamometer engine tests. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exposition*. May 6-10, 2012. St. Louis, MO. Conference Proceedings
- Aswath, Pranesh, et al. (2012). Composition, structure and morphology of soot extracted from a Mack T-12 dynamometer engine test. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exposition*. May 6-10, 2012. St. Louis, MO. 58. Conference Proceedings
- Aswath, Pranesh, et al. (2012). Effect of blends of ZDDP and ashless antiwear additives on wear and tribofilm formation. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exposition*. May 6-10, 2012. St. Louis, MO. Conference Proceedings
- Aswath, Pranesh, et al. (2012). *High performance lubricants and lubricant additives for crankcase oils, greases, gear oil and transmission oils*, UTA Ref. No. 04-05G3, Patent No. 8,227,389. Issue Date 7/24/2012 Patent
- Aswath, Pranesh, et al. (2012). A laboratory simulation of composition and structure of diesel soot by treatment of carbon black and its tribological assessment. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exposition*. May 6-10, 2012. St. Louis, MO. Conference Proceedings
- Aswath, Pranesh, et al. (2012). Microcrack density and nanomechanical properties in the subchondral region of the immature piglet femoral head following ischemic osteonecrosis. *Bone*, 52(2), 632-639. Journal Article
- Aswath, Pranesh, et al. (2012). Morphology, structure and chemistry of extracted diesel soot: Part I: Transmission electron microscopy, raman spectroscopy, x-ray photoelectron spectroscopy and synchrotron x-ray diffraction study. *Tribology International*, 52, 29-39. doi: 10.1016/j.triboint.2012.03.004 Journal Article
- Aswath, Pranesh, et al. (2012). Morphology, structure and chemistry of extracted diesel soot: Part II: X-ray absorption near edge structure (XANES) spectroscopy and high resolution transmission electron microscopy. *Tribology International*, 52, 17-28. Journal Article
- Aswath, Pranesh, et al. (2012). A thermoresponsive hydrogel based controlled drug delivery device. *ASME International Mechanical Engineering Conference and Exposition*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Aswath, Pranesh, et al. (2012). Wear and tribofilm formation with zinc-free antiwear additives. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exhibition*. May 6-10, 2012. St. Louis, MO. 28. Conference Proceedings
- Chen, Nai Yuen**. (2012). *National Academy of Inventors Fellow Award*
- Elsenbaumer, Ronald L.**, et al. (2012). Effect of blends of ZDDP and ashless antiwear additives on wear and tribofilm formation. *Society of Tribologists and Lubrication Engineers Annual Meeting & Exhibition*. May 6-10, 2012. St. Louis, MO. Conference Proceedings
- Hao, Yaowu**, et al. (2012). Au/Pd core-shell nanoparticles for enhanced electrocatalytic activity and durability. *Electrochemistry Communications*, 23, 133-136. Journal Article
- Hao, Yaowu, et al. (2012). Optical fiber-based surface-enhanced Raman scattering sensor using Au nanovoid arrays. *Plasmonics*, 7(3), 501-508. Journal Article
- Kim, Choong-Un**, et al. (2012). Isothermal shear fatigue mechanism of lead free solder joints. *IEEE Electronic Components and Technology Conference (ECTC)*. May 29 2012-June 1 2012. San Diego, CA. 1299-1303. doi: 10.1109/ECTC.2012.6249003 Conference Proceedings

COLLEGE OF ENGINEERING

- Kim, Choong-Un, et al. (2012). Sensitivity of grain structure and fatigue reliability of Pb-free solder joint on the position in PBGA packaging assembly. *IEEE Electronic Components and Technology Conference (ECTC)*. May 29 2012-June 1 2012. San Diego, CA. 500-504. doi: 10.1109/ECTC.2012.6248877 Conference Proceedings
- Koh, Seong Jin.** (2012). *Nano-scale bridge biosensors*, UTA Ref. No. 09-15, Patent No. 8,106,428. Issue Date 1/24/2012 Patent
- Liu, Fuqiang,** et al. (2012). Au/Pd core-shell nanoparticles for enhanced electrocatalytic activity and durability. *Electrochemistry Communications*, 23, 133-136. Journal Article
- Liu, Fuqiang, et al. (2012). Effect of vanadium redox species on photoelectrochemical behavior of TiO₂ and TiO₂/WO₃ photo-electrodes. *Journal of Power Sources*, 213, 78-82. doi: 10.1016/j.jpowsour.2012.04.019 Journal Article
- Liu, Fuqiang, et al. (2012). Preparation and electrochemical characterization of nitrogen doped graphene by microwave as supporting materials for fuel cell catalysts. *Electrochimica Acta*, 60, 354-358. Journal Article
- Liu, Fuqiang, et al. (2012). Stochastic reconstruction and electrical transport studies of porous cathode of Li-ion batteries. *Journal of Power Sources*, 217, 437-443. Journal Article
- Meletis, Efstathios “Stathis” I.** *Advanced Science Letters, Lubricants, International Journal of Corrosion*, Associate Editor
- Meletis, Efstathios “Stathis” I. *Journal of Nano Research*, Editor-in-Chief
- Meletis, Efstathios “Stathis” I. *Journal of Surfaces and Interfaces of Materials*, Editor-in-Chief
- Meletis, Efstathios “Stathis” I., et al. (2012). Microstructural and micromechanical studies of surgical mesh materials. *Neurology and Urodynamics*, 31(2), 210-289. Journal Article
- Meletis, Efstathios “Stathis” I., et al. (2012). Nanodomain and interface structure in epitaxial BaTiO₃ thin films on MgO deposited by magnetron sputtering. *Journal of Materials Science*, 47(6), 2763-2769. Journal Article
- Meletis, Efstathios “Stathis” I. *Quantum Matter*, Editor-in-Chief
- Meletis, Efstathios “Stathis” I., et al. (2012). Thickness effects on magnetic and electrical transport properties of highly epitaxial LaBaCo₂O_{5.5+d} thin films on MgO substrates. *Applied Physics Letters*, 101(2), Article ID: 010229 (4 pages). doi: 10.1063/1.4737015 Journal Article
- Meletis, Efstathios “Stathis” I., et al. (2012). Ultra fast oxygen exchange kinetics on highly epitaxial PrBaCo₂O_{5+d} thin film. *Applied Physics Letters*, 100(19), 193903 (4 pages). Journal Article
- Tibbals, Harry Fred,** et al. (2012). Microstructural and micromechanical studies of surgical mesh materials: FTIR and RAMAN. *European Association of Urology Annual Congress*. February 24-28, 2012. Paris, France. Conference Proceedings

Mechanical and Aerospace Engineering - Dr. Erian Armanios, Chair

- Adnan, Ashfaq**, et al. (2012). Defect evolution mechanism and fracture mechanics of confined nanostructures. *International Conference on Computational & Experimental Engineering and Sciences*. April 28- May 4, 2012. Crete, Greece. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). Effect of constraint size on the mode II fracture toughness of brittle confined films. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition*. Nov 9-15, 2012. Houston, TX. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). The effect of filler shape, dispersion and interface with matrix on the mechanical properties of polymer nanocomposites. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition*. Nov 9-15, 2012. Houston, TX. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). Effect of temperature on the mode II fracture path and toughness of confined Silicon carbide nano-films. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition*. Nov 9-15, 2012. Houston, TX. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). The effects of filler-matrix interface strength, filler shape and filler dispersion on the mechanical properties of polymer nanocomposites. *American Society for Composites Technical Conference and the US-Japan Conference on Composite Materials*. October 1-3, 2012. Arlington, TX. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). Mechanics of collagen fibril: A combined MD simulation and finite element study. *American Society for Composites Technical Conference and the US-Japan Conference on Composite Materials*. October 1-3, 2012. Arlington, TX. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). Multiscale analysis for characterizing fracture toughness of trabecular bone. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition*. Nov 9-15, 2012. Houston, TX. Conference Proceedings
- Adnan, Ashfaq, et al. (2012). On the size-dependent critical stress intensity factor of confined brittle nanofilms. *Engineering Fracture Mechanics*, 86, 13-22. doi: 10.1016/j.engfracmech.2012.02.003 Journal Article
- Adnan, Ashfaq, et al. (2012). pH dependent failure analysis of mineralized collagen fibril. *American Society International Mechanical Engineering Congress and Exposition*. Nov 9-15, 2012. Houston, TX. Conference Proceedings
- Agonafer, Dereje**, et al. (Eds.) (2012). *Essentials of electronic packaging: a multidisciplinary approach*. ASME Press Book Series on Electronic Packaging Book Editor
- Armanios, Erian**, et al. (2012). The challenge of achieving hygrothermal stability in composites with optimum couplings. *International Journal of Engineering Science*, 59, 74-82. Journal Article
- Armanios, Erian, et al. (2012). Design of an apparatus and method for testing bend-twist coupled composites. *American Helicopter Society Annual Forum*. May 1-3, 2012. Fort Worth, TX. Conference Proceedings
- Armanios, Erian *Key Engineering Materials*, Editor
- Armanios, Erian, et al. (2012). Optimal stacking sequences for thermally induced twist deformation. *Structures, Structural Dynamics, and Materials Conference (SDM)*. April 23-26, 2012. Honolulu, HI. Conference Proceedings
- Bowling, Alan**, et al. (2012). Analysis of an energy constraint in post impact velocity optimization. *Joint International Conference on Multibody System Dynamics (IMSD)*. May 29 - June 1, 2012. Stuttgart, Germany. Conference Proceedings
- Bowling, Alan, et al. (2012). Analytic solution to 3-dimensional, single point collision problems using Stronges hypothesis. *Joint International Conference on Multibody System Dynamics (IMSD)*. May 29 - June 1, 2012. Stuttgart, Germany. Conference Proceedings
- Bowling, Alan, et al. (2012). Cognitive optimization in assistive living system development. *Journal of Applied Bionics and Biomechanics*, 17(3), 1-14. Journal Article

COLLEGE OF ENGINEERING

- Bowling, Alan, et al. A new numerical strategy for handling quaternions in dynamic modeling and simulation of rigid multibody systems. *Joint International Conference on Multibody System Dynamics (IMSD)*. May 29 - June 1, 2012. Stuttgart, Germany. Conference Proceedings
- Bowling, Alan. *Online Computer Science Undergraduate Research Journal*, Editor
- Chan, Wen S.** *Journal of Mechanics*, International Associate Editor
- Chan, Wen S. *Taiwan AIAA Journal*, Editor
- Dennis, Brian H.** *Inverse Problems in Science and Engineering*, International Editorial Board
- Dogan, Atilla**, et al. (2012). Estimation of maneuvering aircraft states and time-varying wind with turbulence. *AIAA Guidance, Navigation, and Control Conference*. August 13-16, 2012. Minneapolis, MN. doi: 10.2514/6.2012-4532 Conference Proceedings
- Dogan, Atilla, et al. (2012). Estimation of receiver aircraft states and wind vectors in aerial refueling. *AIAA Guidance, Navigation, and Control Conference*. August 13-16, 2012. Minneapolis, MN. doi: 10.2514/6.2012-4533 Conference Proceedings
- Haji-Sheikh, Abdolhossein.** *Inverse Problems in Science and Engineering*, Editorial Advisory Board
- Haji-Sheikh, Abdolhossein. *Numerical Heat Transfer, Part A: Applications*, Editorial Advisory Board
- Haji-Sheikh, Abdolhossein. *Numerical Heat Transfer, Part B: Fundamental*, Editorial Advisory Board
- Haji-Sheikh, Abdolhossein, et al. (2012). A view of thermal wave in thin plates. *International Communications in Heat and Mass Transfer*, 39(8), 1009-1017. Journal Article
- Huang, Haiying**, et al. (2012). Detecting crack orientation using patch antenna sensors. *Measurement Science and Technology*, 23(1), Article ID 015102 (9 pages). doi: 10.1088/0957-0233/23/1/015102 Journal Article
- Huang, Haiying, et al. (2012). Multiplexing passive wireless antenna sensors for multi-site crack detection and monitoring. *Smart Materials and Structures*, 21, Article ID: 015004 (9 pages). doi: 10.1088/0964-1726/21/1/015004 Journal Article
- Huang, Haiying, et al. (2012). *Optical fiber based polymer core sensor*, UTA Ref. No. 08-57, Patent No. 8,215,834. Issue Date 7/10/2012 Patent
- Huang, Haiying, et al. (2012). PWAS-based wireless acoustic emission sensor. *SPIE Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems*. March 11, 2012. San Diego, CA., 8345 834512-1-834512-7. doi: 10.1117/12.914983 Conference Proceedings
- Huang, Haiying. *Series in Sensors*, Editor
- Huang, Haiying, et al. (2012). Shear sensing based on microstrip patch antenna. *Measurement Science and Technology*, 23, Article ID: 105705 (5 pages). Journal Article
- Jain, Ankur**, et al. (2012). Microheater platform for selective detachment of DNA. *Applied Physics Letters*, 101(9), 093707-1-093707-5. doi: 10.1063/1.4748308 Journal Article
- Kim, Daejong.** *ASME Journal of Tribology*, Guest Associate Editor
- Kim, Daejong, et al. (2012). Dynamic modeling of compact heat exchange reformer for high temperature fuel cell systems. *Journal of Fuel Cell Science and Technology*, 9(1), Article ID: 011013 (16 pages). Journal Article
- Kim, Daejong, et al. (2012). Extended three-dimensional thermo-hydrodynamic model of radial foil bearing: Case studies on thermal behaviors and dynamic characteristics in a turbine simulator. *ASME Journal of Engineering for Gas Turbines and Power*, 134(5), Article ID: 052501 (13 pages). Journal Article
- Kim, Daejong, et al. (2012). Feasibility study of oil-free T700 rotorcraft engine: Hybrid foil bearing and nonlinear rotordynamics. *American Helicopter Society International Annual Forum*. May 1-3, 2012. Fort Worth, TX. 4 2342-2351. Conference Proceedings
- Kim, Daejong, et al. (2012). Imbalance response and stability characteristics of a rotor supported by hybrid air foil bearings. *Tribology Transaction*, 55(4), 529-538. doi: 10.1080/10402004.2012.681341 Journal Article

- Kim, Daejong. *ISRN Tribology*, Editorial Board
- Kim, Daejong. *Springer Encyclopedia of Tribology*, Editorial Board
- Kim, Daejong, et al. (2012). Start-stop transient characteristics and load capacity of large hybrid airfoil bearing for aero-propulsion applications. *ASME Journal of Engineering for Gas Turbines and Power*, 134(3), Article ID: 032502 (9 pages). doi: 10.1115/1.4004487 Journal Article
- Lawrence, Kent L.** (2012). *ANSYS tutorial: Release 14: Structural & thermal analysis using the ANSYS mechanical APDL release 14 environment* Book
- Lawrence, Kent L. (2012). *ANSYS workbench tutorial: Structural & thermal analysis using the ANSYS workbench release 14 environment* Book
- Lawrence, Kent L., et al. (2012). Application of GPU-based computing to large scale finite element analysis of three-dimensional structures. *International Conference on Engineering Computational Technology (ECT 2012)*. September 4-7, 2012. Dubrovnik, Croatia. doi: 10.4203/ccp.100.6 Conference Proceedings
- Lawrence, Kent L., et al. (2012). Modeling for composite structures by finite element method. *European Conference on Composite Materials*. 24-28 June 2012. Venice, Italy. Conference Proceedings
- Lu, Frank K.** *Aerospace Science and Technology*, Editorial Board
- Lu, Frank K., et al. (2012). Assessment on flash-boiling mechanism for PDE's inlet system. *International Journal of Heat and Mass Transfer*, 55(11-12), 2751-2760. Journal Article
- Lu, Frank K., et al. (2012). Control of the radial motion of a self-propelled microboat through a side rudder. *Sensors and Actuators A*, 188, 359-366. Journal Article
- Lu, Frank K., et al. (2012). Experimental study of a high-frequency fluidic valve fuel injector. *Journal of Propulsion and Power*, 28(5), 1121-1125. Journal Article
- Lu, Frank K., et al. (2012). Interference drag modeling and experiments for a high Reynolds number transonic wing. *Journal of Aircraft*, 49(12), 1894-1903. Journal Article
- Lu, Frank K. *International Journal of Aerospace Innovations*, Editorial Board
- Lu, Frank K., et al. (2012). Micro vortex generators in high-speed flow. *Progress in Aerospace Sciences*, 53, 30-45. Journal Article
- Lu, Frank K., et al. (2012). On unsteady thrust measurements for pulse detonation engines. *AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition*. January 9-12, 2012. Nashville, TN. Conference Proceedings
- Lu, Frank K., et al. (Accepted). A preliminary study of acceleration compensation for drag measurements in hypersonic shock tunnel. *International Symposium on Hypersonic Aerothermodynamics: Recent Advances*. December 9-13, 2012. Bangalore, India. Conference Proceedings
- Lu, Frank K. *Shock Waves*, Editorial Board
- Lu, Frank K., et al. (March 6, 2012). *System and method for power production using a hybrid helical detonation device*, UTA Ref. No. 07-03, US Patent No. 8,127,533. Issue Date 3/6/2012 Patent
- Lu, Frank K., et al. (2012). Wavelets for uncertainty estimates of propagating shock and detonation waves. *Experiments in Fluids*, 52(1), 167-178. Journal Article
- Luo, Cheng**, et al. (2012). An angle inequality for judging the transition from Cassie-Baxter to Wenzel States when a water drop contacts bottoms of grooves between micropillars. *Langmuir*, 28(38), 13636-13642. Journal Article
- Luo, Cheng, et al. (2012). Control of the radial motion of a self-propelled microboat through a side rudder. *Sensors and Actuators A*, 182, 359-366. Journal Article
- Luo, Cheng, et al. (2012). Development of surface tension-driven microboats and microflotillas. *Microsystem Technologies*, 18(9), 1525-1541. Journal Article
- Luo, Cheng, et al. (2012). Fabrication and testing of a self-propelled, miniaturized PDMS flotilla. *Microsystem Technologies*, 18(9), 1431-1444. Journal Article
- Luo, Cheng, et al. (2012). Generation of sidewall patterns in microchannels

COLLEGE OF ENGINEERING

- via strain-recovery deformations of polystyrene. *Sensors and Actuators A*, 182, 374-382. Journal Article
- Luo, Cheng, et al. (2012). Generation of spatial length and density gradients of ZnO nanowires on a planar surface. *Microsystem Technologies*, 18(9), 1497-1506. Journal Article
- Luo, Cheng, et al. (2012). Increase buoyancy of a solid fragment using micro-pillars. *Sensors and Actuators A*, 182, 136-145. Journal Article
- Luo, Cheng. (2012). Maximum loading capacities of solid fragments with pores and rough surfaces. *Nano Bulletin*, 1(1) Journal Article
- Luo, Cheng, et al. (2012). Micropunching lithography for generating micro- and submicron-patterns on polymer substrates. *Journal of Visualized Experiments*, 65, e3725. doi: 10.3791/3725 Journal Article
- Luo, Cheng, et al. (2012). A stable intermediate wetting state after a water drop contacts the bottom of a microchannel or is placed on a single corner. *Langmuir*, 28(25), 9554-9561. Journal Article
- Makeev, Andrew V.**, et al. (2012). Characterization of nonlinear shear properties for composite materials using digital image correlation and finite element analysis. *Composites Science and Technology*, 73, 64-71. Journal Article
- Makeev, Andrew V., et al. (2012). A method for measurement of multiple constitutive properties for composite materials. *Composites: Part A*, 43(12), 2199-2210. Journal Article
- Makeev, Andrew V., et al. (2012). Structural analysis methods to account for manufacturing defects in composites. *European Rotorcraft Forum*. September 4-7, 2012. Amsterdam, Netherlands. Conference Proceedings
- Makeev, Andrew V., et al. (2012). Structural methods to account for porosity/voids in composites. *American Helicopter Society International Annual Forum*. May 1-3, 2012. Fort Worth, TX. 4, 2603-2608. Conference Proceedings
- Massa, Luca**, et al. (2012). Dynamic mode decomposition analysis of detonation waves. *Physics of Fluids*, 24(6), Article ID: 066101 (26 pages). doi: 10.1063/1.4727715 Journal Article
- Massa, Luca. (2012). Effect of carbon content on supersonic shearlayer instability. *Journal of Fluid Mechanics*, 693, 261-296. Journal Article
- Massa, Luca, et al. (2012). Linear analysis of the Richtmyer-Meshkov instability in shock-flame interactions. *Physics of Fluids*, 24 Article ID: 056101 Journal Article
- Massa, Luca, et al. (2012). On the effects of finite rate carbon/oxygen chemistry on supersonic jet instability. *Journal of Fluid Mechanics*, 713, 330-361. Journal Article
- Moon, Hyejin**, et al. (2012). A study of On-chip Aqueous two phase formation and its applications. *ASME Micro/Nanoscale Heat & Mass Transfer International Conference*. March 3-6, 2012. Atlanta, GA. Conference Proceedings
- Priya, Shashank**, et al. (2012). *Piezoelectric windmill apparatus*, UTA Ref. No. 07-20, Patent No. 8,294,336. Issue Date 10/23/2012 Patent
- Shiakolas, Panos S.**, et al. (2012). Comparison of computer algebra systems. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Shiakolas, Panos S., et al. (2012). Development and initial testing of a prototype concentric tubes robot for surgical interventions. *IEEE International Conference on BioInformatics and Bioengineering*. November 11-13, 2012. Larnaca, Cyprus. 227-232. doi: 10.1109/BIBE.2012.6399679 Conference Proceedings
- Shiakolas, Panos S., et al. (2012). Finite element analysis of weld area in spot bonding process in transparent materials using ultrafast lasers. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. Nov 9-15, 2012. Houston, TX. Conference Proceedings
- Shiakolas, Panos S., et al. (2012). A LabVIEW based platform for mobile robotics teaching and experimentation. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings

- Shiakolas, Panos S., et al. (2012). On the design and experimental evaluation of a thermoresponsive hydrogel for controlled drug delivery applications. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Shiakolas, Panos S., et al. (2012). On the design of a biodegradable POC-HA polymeric cardiovascular stent. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Shiakolas, Panos S., et al. (2012). An overview of performance characteristics of laser in-situ keratomileusis using lasers. *Micro and Nanosystems*, 4(4), 284-295. Journal Article
- Shiakolas, Panos S., et al. (2012). Sensitivity analysis of micropart motion on a deformable surface. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Shiakolas, Panos S., et al. (2012). Spot bonding of transparent materials. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Shiakolas, Panos S., et al. (2012). Towards the realization of a conveyor platform for microparts employing a deformable surface. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, TX. Conference Proceedings
- Shin, Donghyun**, et al. (2012). Enhanced heat capacity of molten salt nanomaterials for concentrated solar power application. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, Texas. Conference Proceedings
- Shin, Donghyun, et al. (2012). Experimental study of nanoengineered molten salts as thermal energy storage in solar power plants. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, Texas. Conference Proceedings
- Shin, Donghyun, et al. (2012). Investigation of molten salt nanomaterial as thermal energy storage in concentrated solar power. *American Society of Mechanical Engineers International Mechanical Engineering Congress and Exposition (IMECE 2012)*. November 9-15, 2012. Houston, Texas. Conference Proceedings
- Shin, Donghyun, et al. (2012). Investigation of molten salt nanomaterials for solar thermal energy storage application. *ASME Summer Heat Transfer Conference*. July 8-12. Puerto Rico. Conference Proceedings
- Shin, Donghyun, et al. (2012). Nano-scale effects in multi-phase flows and heat transfer. In Anupama B. Kaul (Ed.), *Microelectronics to nanoelectronics: Materials, devices & manufacturability*. (pp. 310-347) Book Chapter
- Subbarao, Kamesh**. *AIA Journal of Guidance*, Associate Editor
- Wilson, Donald**, et al. (March 6, 2012). *System and method for power production using a hybrid helical detonation device*, UTA Ref. No. 07-02, US Patent 8,127,533. Issue Date 3/6/2012 Patent
- Woods, Robert L.** (2012). *Society of Automotive Engineers Excellence in Engineering Education Award* Award
- Yang, Bo**, et al. (2012). Bubble driven quasioscillatory translational motion of catalytic micromotors. *Physical Review Letters*, 109, 128305. doi: 10.1103/PhysRevLett.109.128305 Journal Article
- Yang, Bo, et al. (2012). Cell-substrate interaction with membrane-stress dependent adhesion. *Journal of Biomechanics*, 45, 209-217. Journal Article
- Yang, Bo, et al. (2012). A chemoelastoplastic analysis of anisotropic swelling in a SnO₂ nanowire under lithiation. *Journal of Engineering Materials and Technology*, 134(3), Article ID: 031013. Journal Article
- Yang, Bo, et al. (2012). Designing Si-based nanowall arrays by dynamic shadowing growth to tailor the performance of Li-ion battery anodes. *Journal of Materials Chemistry*, 22, 8294-8303. Journal Article

COLLEGE OF LIBERAL ARTS

Yang, Bo, et al. (2012). Effects of composition-dependent modulus, finite concentration and boundary constraint on Li-ion diffusion and stresses in a bilayer Cu-coated Si nano-anode. *Journal of Power Sources*, 204, 168-176. Journal Article

Yang, Bo. *Computers, Materials and Continua*, Editorial Board

Yang, Bo, et al. (2012). Nanostructured scrolls from graphene oxide for microjet engines. *Journal of Physical Chemistry Letters*, 3, 2204-2208. Journal Article

College of Liberal Arts - Dr. Beth S. Wright, Dean

Art and Art History – Mr. Robert F. Hower, Chair

- Alexander, Amanda**, et al. (2012). Co-designing a storefront website with artists in Cajamarca, Peru. In E. B-N Sanders, & P. J. Stappers (Eds.), *Convivial toolbox* (pp. 268-269) Book Chapter
- Alexander, Amanda. *International Journal of the Inclusive Museum*, Editorial Review Board
- Alexander, Amanda. *Journal of Cultural Research in Art Education*, Editorial Review Board
- Alexander, Amanda. *Trends, the Journal of the Texas Art Education Association*, Co-Editor
- Graham, Lisa M.** (2012). *Cherry blossom spring, bubble strands, Crane* (Digital Prints) (June 13-Aug 31, 2012). Lessedra World Art Print Annual Sofia, Bulgaria Artwork
- Graham, Lisa M. (2012). *Crane* (Digital Print) (June 30–September 30, 2012). Mini Print International of Cadaqués, Girona, Spain Artwork
- Graham, Lisa M. (2012). *OnDesign Research Book Series*, Editor
- Graham, Lisa M. (2012). Towards a more sustainable graphic design philosophy. *International Journal of the Arts in Society*, 6(5), 169-176. Journal Article
- Graham, Lisa M. (2012). *Work in included in Color Shift, Week 3 of the Billboard Art Project*. (October 13-19, 2012). Billboard Art Project Atlanta, GA Artwork
- Hower, Robert F.** (2012). *Prime perception* (Solo exhibition of lenticular lens/archival prints and digital prints). Central Academy of Fine Arts, City Design School Beijing, China Artwork
- Ikeda, Zenas Seiji.** (2012). The Kayan song (Digital print). Included in the exhibition The Posters of Discontent II, September 5–November 7, 2012. University Gallery, Eastern Michigan University Ypsilanti, MI Artwork
- Ikeda, Zenas Seiji. (2010-2012). Osage Nation Social Services Agency Video/DVD

COLLEGE OF LIBERAL ARTS

- Ikeda, Zenas Seiji. (2012). Silver Medal award recipient, 2012 SOKI International Design Illustration Competition, The Society of Korea Illusart (SOKI) Seoul, Korea Award
- Ikeda, Zenas Seiji. (2012). Work included in Cross Connections 2012, Traveling show organized by Truman State University, January-December 2012 Kirksville, MO Artwork
- Jolly, Marilyn**, et al. (2012). *Work included in "2012, Transience: Imperfect, Impermanent, Incomplete" and "Trans: Membership Show"* (Jan 14-Feb 18, 2012) (Transience) and August (Trans). Dallas, TX Purchase for inclusion in Capitol One art collection Artwork
- Lauster, Darryl**. (2012). *God bless America* (Echo Projects, site-specific sound installation). Buffalo, NY Artwork
- Lauster, Darryl. (2012). *Of thee I sing*. Barry Whistler Gallery Dallas, TX Artwork
- Lauster, Darryl. (2012). *Utopia/Dystopia*. Grand Rapids, MI Artwork
- Lima, Benjamin**. (2012). *Cosmopolitanism*. (October-November 2012). Dallas, TX Exhibition was reviewed by Colette Copeland, Glasstire, October 30, 2012. Artwork
- Lima, Benjamin. (2012). Illocutionary acts of criticism. *David Dillon Symposium, Dallas Architecture Forum, Nasher Sculpture Center*. August 30, 2012. Dallas, TX. Conference Proceedings
- Lima, Benjamin. (2012). *The MTV Era: 1980s video art* (September 2012). Dallas, TX Artwork
- Lima, Benjamin. (2012). Raimund Girke: The German informal. The union of opposing tendencies. *Literal*, 29, 18-19. Journal Article
- McWilliams, R. Leighton**. (2012). Solo exhibition, January 2012. 621 Gallery Tallahassee, FL Artwork
- McWilliams, R. Leighton. (2012). Work included in Americas 2012 All Media (National juried exhibition), August 20-September, 26, 2012. Hartnett Hall Gallery, Minot State University Minot, ND Artwork
- McWilliams, R. Leighton. (2012). Work included in Equivalents: 17th Annual Photo Competition (National juried exhibition), August 3-September 18, 2012. Photo Center Northwest Seattle, WA Artwork
- McWilliams, R. Leighton. (2012). Work included in Low Fidelity (National curated exhibition), October 25-December 9, 2012. Tower Gallery, College at Brockport, State University of New York Brockport, NY Artwork
- McWilliams, R. Leighton. (2012). Work included in Modest in Scale (National juried exhibition), November 16-December 15, 2012. Abecedarian Gallery Denver, CO Artwork
- McWilliams, R. Leighton. (2012). Work included in Seen/ Unseen, July 9-August 30, 2012. Wiseman Gallery at Rogue Community College Grants Pass, OR Artwork
- McWilliams, R. Leighton. (2012). Work included in Street Photography (National juried exhibition), November 15- December 14, 2012. L.H. Horton Gallery, San Joaquin Delta College Stockton, CA Artwork
- McWilliams, R. Leighton. (2012). Work included in The Third Dimension (National juried exhibition), June 15-July 20, 2012. The Foundry Art Centre St. Charles, MO Artwork
- North, Kenda**. (2012). Backyard oasis: The swimming pool in Southern California photography 1945-1982 (Exhibition and catalog), January-May 2012. Palm Springs Art Museum Palm Springs, CA Artwork
- North, Kenda. (2012). Work included in Annual Group Exhibition, April-May 2012. Craighead Green Gallery Dallas, TX Artwork
- North, Kenda. (2012). Work included in Texas National 2012 (Juried exhibition), April-May 2012. Cole Art Center Nacogdoches, TX Artwork
- North, Kenda. (2012). Work included in Vernissage Exhibition, June-July 2012. Ondarte International Artist Residency Akumel, Mexico Artwork
- Terrasi, Salvatore (Tore)**. (2012). Experiments in Typography (Solo exhibition), August 26-September 29, 2012. Tarrant County College, Northwest Campus Fort Worth, TX Artwork
- Terrasi, Salvatore (Tore). (2012). Text Textile; a Sampler, February 13-29, 2012. Trahern Gallery, Austin Peay State University Clarksville, TN Artwork
- Terrasi, Salvatore (Tore). (2012). Work included in 14th Annual Abstraction Juried Online International Art Exhibition. Work received a Special Recognition Award, October 1, 2012-September 30, 2013. Upstream People Gallery - Online Art Gallery Artwork
- Terrasi, Salvatore (Tore). (2012). Work included in 3rd Annual Fiber Arts Show (Juried by Material ARTistry). Work received the 'Founder's Choice Award', June 15 - Sept 15, 2012. Infinity Art Gallery Artwork
- Terrasi, Salvatore (Tore). (2012). Work included in Craft Texas, September 29-December 30th, 2012. Houston Center for Contemporary Craft Houston, TX Artwork

COLLEGE OF LIBERAL ARTS

- Terrasi, Salvatore (Tore). (2012). Work included in Gateway to Imagination (National juried art competition), May 12-July 14, 2012. Farmington Museum at Gateway Park Farmington, NM Artwork
- Terrasi, Salvatore (Tore). (2012). Work included in Language and the City Exhibition, January 20–February 19, 2012. Studio Couture Detroit, MI Artwork
- Terrasi, Salvatore (Tore). (2012). Work included in National Art Premiere (Juried exhibition), February 21–March 28, 2012. Elmhurst Artists' Guild Gallery Elmhurst, IL Artwork
- Terrasi, Salvatore (Tore). (2012). Work included in Positive/Negative (National juried exhibition). Work received an Honorable Mention award, February 20-March 2, 2012. Slocumb Galleries, East Tennessee State University Johnson City, TN Artwork
- Vaccaro, Mary.** (2012). New attributions for drawings by Girolamo Mazzola Bedoli for Parma Cathedral. *Renaissance Society of America Annual Meeting*. March 22-24, 2012. Washington, D.C. Conference Proceedings

Communication - Dr. Charla Markham Shaw, Chair

- Chatterjee, Karishma,** et al. (2012). Media portrayals of the female condom. *Journal of Health Communication*, 17(10), 1138-1150. doi:10.1080/10810730.2012.665423 Journal Article
- Clark, Andrew M.** (2012). International radio broadcasting: It's not what it used to be. In J. A. Hendricks (Ed.), *The Palgrave handbook of global radio*. (pp. 3-16) Book Chapter
- Harp, Dustin M.,** et al. (2012). The whole online world is watching: Profiling social networking sites and activists in China, Latin America, and the United States. *International Journal of Communication*, 6, 298-321. Journal Article
- Horton, Brian.** (2012). Easy to opt-in, hard to opt out: A comparison of subscription and unsubscription messages in e-mails and websites. *International Conference on Language and Social Psychology*. June 20-23, 2012. Leeuwarden, Netherlands. Conference Proceedings
- Lopez-Preciado, Luis Ernesto.** (2012). Comparative constructions of journalism as a profession: A comparison between English and Spanish-language journalists in South Florida. *Journal of Spanish Language Media*, 5, 63-79. Journal Article
- Megwa, Eronini.** *Fifth Estate Online: International Journal of Radical Mass Media Criticism*, Editorial Advisory Board
- Megwa, Eronini. *Journalism Practice*, Editorial Board
- Megwa, Eronini. *SAGE Open*, Article Editor
- Pribanic-Smith, Erika J.** *American Journalism*, Editorial Board
- Pribanic-Smith, Erika J. *Journalism History*, Corresponding Editor
- Pribanic-Smith, Erika J. (2012). Rhetoric of fear: South Carolina newspapers and the state and national politics of 1830. *Journalism History*, 38, 166-177. Journal Article
- Su, Chunke.** (2012). Exploring visual-analytics of multidimensional knowledge networks: A case study of a consulting work team. *International Conference on Business Management and Electronic Information*. May 11-13, 2012. Guangzhou, China. 9 46-49. Conference Proceedings
- Su, Chunke. (2012). Overrated or overlooked? An empirical examination of the effects of digital knowledge management systems in knowledge intensive organizations. *International Conference on E-Business and E-Government*. April 28, 2012. Izmir, Turkey. 3 1978-1981. Conference Proceedings
- Su, Chunke. (2012). A transactive memory approach to studying how social networks influence expertise discovery, information retrieval, information allocation, and utilization of digital knowledge repositories in organizational work teams. *IADIS International Conference. ICT, Society and Human Beings*. July 21-23, 2012. Lisbon, Portugal. 1 27-34. Proceedings
- Su, Chunke. (2012). Who knows who knows what in the group? The effects of communication network centralities, use of digital knowledge repositories and work remoteness on organizational members' accuracy in expertise recognition. *Communication Research*, 39(5), 614-640. Journal Article
- Su, Chunke, et al. (2012). Understanding groups from a network perspective. In A. Hollingshead, & M. S. Poole (Eds.), *Research methods for studying groups and teams: A guide to approaches, tools, and technologies*. (pp. 284-310) Book Chapter
- Wigley, Shelly,** et al. (2012). Rules of engagement: Practice what you tweet. *Public Relations Review*, 38, 165-167. Journal Article

COLLEGE OF LIBERAL ARTS

Criminology and Criminal Justice – Dr. Alejandro del Carmen, Chair

- Bing, Robert L.**, et al. (2012). Illegal trafficking in non-human animals. *Southwest Journal of Criminal Justice*, 8(2), 75-91. Journal Article
- del Carmen, Alejandro**, et al. (2012). Perceptions of alcohol consumption: An examination of undergraduate students' perception of harmful alcohol consumption as a social problem and its relationship with crime. *Southwest Journal of Criminal Justice*, 8(2), 159-171. Journal Article

English – Dr. Wendy B. Faris, Chair

- Alaimo, Stacy**. *Configurations*, Editorial Board
- Alaimo, Stacy. "Critical Ecologies" Thread (Electronic Book Review), Editor
- Alaimo, Stacy. (2012). Dispersing disaster: Deepwater Horizon and the containment of environmentalism. In Christof Mauch, & Sylvia Mayer (Eds.), *American environments: climate, cultures, catastrophe*. (pp. 177-192) Book Chapter
- Alaimo, Stacy. *Ecozon@ European Journal of Literature, Culture and Environment*, Advisory Board
- Alaimo, Stacy. *Fast Capitalism*, Editorial Board
- Alaimo, Stacy. *Green Letters: Studies in Ecocriticism*, Advisory Board
- Alaimo, Stacy. *Itineration: Cross-Disciplinary Studies in Rhetoric, Media, and Culture*, Advisory Board
- Alaimo, Stacy. *Resilience: A Journal of the Environmental Humanities*, Editorial Board
- Alaimo, Stacy. (2012). States of suspension: Trans-corporeality at sea (invited essay). *Interdisciplinary Studies in Literature and Environment*, 19(3), 476-493. Journal Article
- Alaimo, Stacy. (2012). Sustainable this, sustainable that: New materialisms, posthumanism, and unknown futures. *Publications of the Modern Language Association of America*, 127(3), 558-564. Journal Article
- Faris, Wendy B.** *Comparatist*, Editorial Board
- Faris, Wendy B. (2012). We the shamans, eat tobacco and sing: Figures of shamanic power in US and Latin American magical realism. In Lyn Di Lorio Sandin, & Richard Perez (Eds.), *Moments of magical realism in US ethnic literatures*. (pp. 155-174) Book Chapter
- Guertin, Carolyn**. (2012). *Digital prohibition: Piracy and authorship in new media art* Book
- Guertin, Carolyn, et al. (2012). Acoustic space, territories and borderlines:

COLLEGE OF LIBERAL ARTS

Art as locative media that saves lives. *McLuhan Galaxy Conference: Understanding Media Today*. May 23-25, 2011. Barcelona, Spain. 646-658. Retrieved from http://www.digitalrumors.net/mcluhangalaxybcn11/extended/McLuhanGalaxyConference_book.pdf Conference Proceedings

Henderson, Desiree. *Legacy: The Journal of American Women Writers*, Editorial Board

Roemer, Kenneth M. *American Literary Realism*, Editorial Board

Roemer, Kenneth M. *American Literary Realism Series*, Editorial Board

Roemer, Kenneth M. (2012). Despite cold and confusion, casting a vote. [Letter to the Editor]. *The New York Times*, (November 8, 2012), A20-A20. Journal Article

Roemer, Kenneth M. (2012). It's not a poem. It's my life: Navajo singing identities. *Studies in American Indian Literatures*, 24(2), 84-103. Journal Article

Roemer, Kenneth M. *Studies in American Indian Literatures*, Editorial Board

Roemer, Kenneth M. *Utopian Studies*, Editorial Board

Smith, Johanna M. *19th Century Section, Gender and Genre Book Series*, Editor

Stodnick, Jacqueline A. et al. (Eds.). (2012). *Handbook of Anglo-Saxon studies* Book Editor

Tigner, Amy L. *Early English Studies Journal*, General Editor

Tigner, Amy L. (2012). *Literature and the Renaissance garden from Elizabeth I to Charles II: England's paradise*. Book

Tigner, Amy L. (2012). The Spanish actress's art: Improvisation, transvestism, and disruption in Tirso's *El vergonzoso en palacio*. *Early Theatre Journal*, 15(1), 169-192. Journal Article

Tigner, Amy L. (2012). Tradescants' culinary treasures. *Gastronomica*, 12(4), 74-83. Journal Article

Zhang, Yuejiao. (2012). Creative problem solving in technical writing. *Academic Exchange Quarterly*, 16(3), 102-106. Journal Article

History -

Dr. W. Marvin Dulaney, Chair

Adam, Thomas. (2012). Stiften für das Diesseits – Deutsche Stiftungen in der Neuzeit. *Geschichte in Wissenschaft Und Unterricht*, 63(1-2), 5-20. Journal Article

Adam, Thomas. (2012). Der unverzichtbare Beitrag von Stiftungen zur Finanzierung des höheren Schulwesens in Preußen im 19. Jahrhundert. *Paedagogica Historica: International Journal of the History of Education*, 48(3), 451-468. Journal Article

Cardona, Mylynka Kilgore. (2012). Alexine Tinné: Nineteenth-Century explorer of Africa. *Terrae Incognitae*, 44(2), 124-138. Journal Article

Cawthon, Elisabeth A. (2012). Origins of the physician assistant movement in the U.S. *Journal of the American Academy of Physician Assistants, Special Article 1212*. Journal Article

Cole, Stephanie, et al. (2012). *The folly of Jim Crow: Rethinking the segregated South* Book

Demhardt, Imre Josef. (2012). Friedrich Wilhelm von Egloffstein, the exploration of the American West, and its first relief shaded maps. In Imre Josef Demhardt, & E. C. Liebenberg (Eds.), *History of cartography. International Symposium of the ICA Commission, 2010*. (pp. 57-74) Book Chapter

Demhardt, Imre Josef. (2012). Hin nach Texas, hin nach Texas ... Bodenspekulation, Landvermessung und Katasterwesen im 19. Jahrhundert unter Berücksichtigung des Texasvereins. *Nassauische Annalen. Jahrbuch Des Vereins Für Nassauische Altertumskunde Und Geschichtsforschung*, 123, 505-537. Journal Article

Demhardt, Imre Josef, et al. (Eds.). (2012). *History of cartography: International Symposium of the ICA Commission, 2010* Book Editor

Fairbanks, Robert B. *Americas, Planning Perspectives*, Editor

Fairbanks, Robert B. (2012). The Housing Act of 1954 and the war against slums in the southwestern United States. *International Planning His-*

COLLEGE OF LIBERAL ARTS

Modern Languages – Dr. Antoinette Sol, Chair

tory Society Conference. July 15-18 2012. Sao Paulo, Brazil. Conference Proceedings

Fairbanks, Robert B. *Legacies: A History Journal for Dallas and North Central Texas*, Editorial Advisory Board

Morris, Christopher. (2012). *The Big Muddy: An environmental history of the Mississippi and its peoples from Hernando de Soto to Hurricane Katrina* Book

Rodnitzky, Jerry. *Popular Music and Society*, Editorial Board

Rose, Sarah F. (2012). The right to a college education? The GI Bill, Public Law 16, and disabled veterans. *Journal of Policy History*, 24(1), 26-52. Journal Article

Treviño, Roberto R. (2012). Religion, ethnicity, and the immigrant experience. In Paul Harvey, & Edward J. Blum (Eds.), *The Columbia guide to religion in American history*. (pp. 236-252) Book Chapter

Treviño, Roberto R. (2012). Salt of the Earth: The immigrant experience of Gerónimo Treviño. In Arnoldo De León (Ed.), *War along the Border: The Mexican Revolution and Tejano communities* (pp. 205-226) Book Chapter

Linguistics and TESOL - Dr. Laurel Smith Stvan, Chair

Fitzgerald, Colleen M. (2012). Prosodic inconsistency in Tohono O'odham. *International Journal of American Linguistics*, 78(4), 435-463. Journal Article

Fitzgerald, Colleen M., et al. (2012). Contemporary storytelling in Tohono O'odham. In David Kozak (Ed.), *Inside dazzling mountains: Southwest native verbal arts*. (pp. 391-406) Book Chapter

Sabbagh, Joseph. *Syntax*, Editorial Board

Witzel, Jeffrey, et al. (2012). Comparisons of online reading paradigms: Eye tracking, moving-window, and maze. *Journal of Psycholinguistic Research*, 41, 105-128. Journal Article

Witzel, Jeffrey, et al. (2012). Deeper than shallow: Evidence for structure-based parsing biases in L2 sentence processing. *Applied Psycholinguistics*, 33, 419-456. Journal Article

Conway, Christopher B. (2012). Sisters at war: Mexican women's poetry and the U.S. Mexican War. *The Latin American Research Review*, 47(1), 3-15. Journal Article

Elliott, A. Raymond. (2012). Notes from the field: Chicahuaxtla Triqui digital wordlist and preliminary observations. *Language Documentation & Conservation*, 6, 208-236. doi: <http://hdl.handle.net/10125/4509> Journal Article

Israel-Pelletier, Aimée. (2012). *Rimbaud's Impressionist poetics : Vision and visuality* Book

Rings, Lana M. (2012). Cyber culture and intercultural communication teaching, learning and collaboration. *Perioperative Nursing Clinics*, 7(2), 267-282. Journal Article

Rueda-Acedo, Alicia R. (2012). *Miradas transatlánticas: el periodismo literario de Elena Poniatowska y Rosa Montero* Book

Stewart, Christopher Michael. (2012). Mapping language ideologies in multiethnic urban Europe: The case of Parisian French. *Journal of Multilingual and Multicultural Development*, 33(2), 187-202. Journal Article

Stewart, Christopher Michael. (2012). On the socio-indexicality of a Parisian French intonation contour. *Journal of French Language Studies*, 22(2), 251-271. Journal Article

Watson, Sonja S. (2012). The grandchildren of Felicidad Dolores and the contemporary Afro-Hispanic historical novel: A post-Colonial reading. In Antonio D. Tillis (Ed.), *Critical perspectives on contemporary Afro-Hispanic literature*. (pp. 30-50) Book Chapter

Watson, Sonja S. (2012). Poetic negrism and the national sentiment of anti-West Indianism and anti-imperialism in Panamanian literature. *Calaloo*, 35, 459-474. Journal Article

COLLEGE OF LIBERAL ARTS

Music – Dr. Rick Bogard, Chair

- Atkinson, Sean**, (2012). The ever more specialized topic: How do we know what it means? *International Conference on Music Semiotics (in Memory of Raymond Monelle)*. October 26-28, 2012. Edinburgh, Scotland. Conference Proceedings
- Atkinson, Sean, (2012). Representations of the ‘Other’ in John Adams’s Nixon in China. *Music Theory Southeast*. March 9-10, 2012. Atlanta, GA. Conference Proceedings
- Atkinson, Sean, (2012). Representations of the ‘Other’ in John Adams’s Nixon in China. *South-Central Society for Music Theory*. February 2012. Lafayette, LA. Conference Proceedings
- Cavanagh, Daniel M.** (2012). *The Beat hotel*. Music Composition/Film
- Cavanagh, Daniel M. (2012) *The Christmas song. For jazz vocalist and jazz big band*. ~6:00. Commissioned by Nnenna Freelon. Musical Composition
- Cavanagh, Daniel M. et al. (2012). *The heart of the geyser. The Dan Cavanagh Trio*. Music Composition
- Cavanagh, Daniel M. (2012). *Inner prison. For jazz small group (lead sheet composition)*. Music Composition
- Cavanagh, Daniel M. (2012). *Jump. For jazz small group (lead sheet composition)*. Music Composition
- Cavanagh, Daniel M. (2012). *Moment in time. For jazz small group (lead sheet composition)*. Music Composition
- Cavanagh, Daniel M. (2012). *Mystic cats. For jazz big band*. ~5:00. Commissioned by Phi Mu Alpha Province 32 and the Tarleton State University jazz program. Music Composition
- Hunt, Graham G.** *Music Theory Spectrum*, Editorial Board
- Ishii, Timothy**, (2012). In Cavanagh Daniel M. (Arranger). *Dream catcher. For orchestra and jazz big band*. ~9:00. Commissioned by the University of Texas at Arlington for their College Park Center Opening Gala. Music Score
- Kenaston-French, Karen**. (2012). *A Cappella Choir and University Singers Concert, UT Arlington, Arlington, TX* (April 29, 2012). (Recital). Conductor
- Kenaston-French, Karen. (2012). *A Cappella Choir concert tour* (April 16-17, 2012). (Recital). Conductor
- Kenaston-French, Karen. (2012). *Brahms A German Requiem - First United Methodist Church Choir, Arlington, TX* (April 6, 2012). (Recital). Soprano Soloist
- Kenaston-French, Karen. (2012). *Dallas Symphony Orchestra, Masters of Film Music: Michael Giacchino, Meyerson Symphony Center, Dallas, TX* (May 18-20, 2012). (Recital). Conductor
- Kenaston-French, Karen. (2012). *Holocaust Cantata, A Cappella Choir and University Singers, UT Arlington, Arlington, TX* (March 29, 2012). (Recital). Conductor
- Kenaston-French, Karen. (2012). *Holocaust Cantata, for the Ft. Worth and Tarrant County Jewish Federation Holocaust Remembrance Day service, Congregation Beth Shalom, Arlington, TX* (April 15, 2012). (Recital). Conductor
- Kenaston-French, Karen. (2012). *Texas Choral Directors Association convention, San Antonio, TX* (July 24, 2012). (Recital). Reading Session Conductor
- Lange, Diane M.** (2012). *Together again in harmony* Book
- Pool, Christopher Scott**. (2012). Bassoon Week III at the University of Texas at Arlington. *The Double Reed*, 35(2), 25-26. Journal Article
- Pool, Christopher Scott. (2012). *College Music Society regional conference, Ada, OK*. (March 1, 2012). (Recital). Featured Performer
- Stotter, Douglas**. (2012). In Miles R. B. (Ed.), *Teaching music through performance in band, vol. 9* (Contributing author) Book Chapter

Philosophy and Humanities – Dr. Kenneth Williford, Chair

- Chiasson, Charles C.** (2012). Herodotus' Prologue and the Greek poetic tradition. *Histos*, 6, 114-143. Journal Article
- Chiasson, Charles C. (2012). Myth and truth in Herodotus' Cyrus logos. In E. Baragwanath, & M. de Bakker (Eds.), *Myth, truth, and narrative in Herodotus*. (pp. 213-232) Book Chapter
- Nussbaum, Charles.** (2012). Craning the ultimate skyhook: Millikan on the law of noncontradiction. In Dan Ryder, Justine Kingbury & Kenneth Williford (Eds.), *Millikan and her critics* (pp. 176-192) Book Chapter
- Reeder, Harry P.** *Classics in Phenomenology*, Consulting Editor
- Reeder, Harry P. *Contemporary Phenomenological Thought*, Consulting Editor
- Reeder, Harry P. (2012). Curso de pensamiennto crítico: Argumentando con cuidado. In Ruz Gloria Cárdenas Mejía, & Carlos Enrique Restrepo (Eds.), *Didácticas de la Filosofía, Vol. II: Experiencias, instrumentos y métodos*. (pp. 31-44) Book Chapter
- Reeder, Harry P. *Folios: Revista de la Facultad de Humanidades*, Editorial Board
- Reeder, Harry P. *International Center for the Study of Globalization/Centro Internacional de Estudios de la Globalizacion*, Editorial Board
- Reeder, Harry P. *The New Yearbook for Phenomenology and Phenomenological Philosophy*, Consulting Editor
- Reeder, Harry P. (2012). Las normas de la argumentación dentro de y fuera de la ciencia. *Actas de las II Jornadas Internacionales de Hermenéutica: La hermenéutica en diálogo on las ciencias humanas y sociales: Convergencias, contaposiciones y tensiones*. Julio 6-8, 2011. Buenos Aires, Argentina. 470-476. Conference Proceedings
- Reeder, Harry P. *Orbis Phaenomenologicus*, Permanent Editorial Board
- Williford, Kenneth**, et al. (2012) (Eds.), *The imagination by Jean-Paul Sartre* Book

- Williford, Kenneth, et al. (2012). The paradoxes of subjectivity and the projective structure of consciousness. In Sofia Miguens, & Gerhard Preyer (Eds.), *Consciousness and subjectivity*. (pp. 321-353) Book Chapter
- Williford, Kenneth, et al. (2012). Preserved self-awareness following extensive bilateral brain damage. *Plos One*, 7(8), e38413. doi:10.1371/journal.pone.0038413 Journal Article

Political Science – Dr. Rebecca E. Deen, Chair

- Boyea, Brent D.**, et al. (2012). Campaign contributions and judicial decisions in partisan and nonpartisan elections. In Kevin T. McGuire (Ed.), *New directions in judicial politics*. (pp. 38-52) Book Chapter
- Boyea, Brent D., et al. (2012). Judges, litigants, and the design of courts. *Law Society Review*, 46(3), 497-522. Journal Article
- Boyea, Brent D., et al. (2012). Looking through the lens of 18 million cracks: The campaign finance pathway for launching a woman all the way into the White House. In Melody Rose (Ed.), *Women in the Executive Branch(es)*. (pp. 209-230) Book Chapter
- Deen, Rebecca E.**, et al. (2012). Bake sales for a better America: The role of school volunteers in civic life. *International Journal of Interdisciplinary Social Sciences*, 6(7), 25-38. Journal Article
- Deen, Rebecca E. (2012). Consequential elections: Presidential elections that shaped America. Served on a panel of experts surveyed on consequential presidential elections. Quoted regarding the 1980 election. *McConnell Center Survey*. February 17, 2012. Louisville, KY. 11-11. Conference Proceedings
- Deen, Rebecca E., et al. (2012). U.S. Supreme Court Justices and partisanship: Support for the President and Solicitor General. *International Journal of Social and Human Sciences*, 6, 574-580. Journal Article
- Farrar-Myers, Victoria**, et al. (2012). Campaign finance: A barrier to reaching the White House? In Melody Rose (Ed.), *Women and Executive Office: Pathways and performance* (pp. 209-230) Book Chapter

COLLEGE OF LIBERAL ARTS

Sociology and Anthropology – Dr. Shelley Smith, Chair

Farrar-Myers, Victoria, et al. (2012). Looking through the lens of 18 million cracks: The campaign finance pathway for launching a woman all the way into the White House. In Melody Rose (Ed.), *Women in the Executive Branch(es)*. (pp. 209-230) Book Chapter

Farrar-Myers, Victoria A. (2012). The ripple effect of scandal and reform: The historical impact of Watergate-Era campaign finance regulation and its progeny. In Michael Genovese, & Iwan W. Morgan (Eds.), *Watergate remembered: The legacy for American politics*. (pp. 127-146) Book Chapter

Farrar-Myers, Victoria A. *White House Studies*, Editorial Board

Gutierrez, Jose Angel. (2012). Doctor, doctor: Not like degrees on a thermometer. In Leonard Valverde (Ed.), *The Latino student guide to college success*. (2nd ed., pp. 187-192) Book Chapter

Hekman, Susan J. *Fast Capitalism*, Editorial Board

Hekman, Susan J. *Gender, Work, and Organization*, Editorial Board

Hekman, Susan J. *Hypatia*, Editorial Board

Ignagni, Joseph, et al. (2012). U.S. Supreme Court justices and partisanship: Support for the President and Solicitor General. *International Journal of Social and Human Sciences*, 6, 574-580. Journal Article

Marshall, Thomas. *American Review of Politics*, Editorial Board

Sasley, Brent, et al. (2012). History, rationality, narrative, imagery: A four-way conversation on teaching the Arab-Israeli conflict. *Journal of Political Science Education*, 8(3), 288-302. doi:10.1080/15512169.2012.695980 Journal Article

Sasley, Brent. (2012). Turkish leaders and foreign policy decision-making: Lobbying for European Union membership. *Middle Eastern Studies*, 48(4), 553-566. doi:10.1080/00263206.2012.682302 Journal Article

Sledge, Daniel. (2012). War, tropical disease, and the emergence of national public health capacity in the United States. *Studies in American Development*, 26(2), 125-162. doi: 10.1017/S0898588X12000107 Journal Article

Agger, Ben. *American Educational Research Journal*, Editorial Board

Agger, Ben. *Center for Digital Discourse and Culture*, Advisory Board

Agger, Ben. *Current Perspectives in Social Theory*, Editorial Board

Agger, Ben. *Disclosure: A Journal of Social Theory*, Editorial Board

Agger, Ben. *European Journal of Social Theory*, International Advisory Board

Agger, Ben. *Fast Capitalism*, Editor

Agger, Ben. *Journal of Classical Sociology*, Editorial Board

Agger, Ben. *New York Journal of Sociology*, Editorial Board

Agger, Ben. (2012). *Oversharing: Presentations of self in the Internet Age* Book

Bastien, Joseph W. (2012). *People of the water: Change and continuity among the Uru-Chipayans of Boliva* Book

Beamon, Krystal. (2012). I'm a baller: Athletic identity foreclosure among African-American former student-athletes. *Journal of African American Studies*, 16(2), 195-208. Journal Article

Han, Chunping. (2012). Attitudes toward government responsibility for social services: Comparing urban and rural China. *International Journal of Public Opinion Research*, 24(4), 472-494. Journal Article

Han, Chunping. (2012). Satisfaction with the standard of living in reform-era China. *The China Quarterly*, 210(919), 940. Journal Article

Rouse, Linda. (2012). *Self and social identity* Book

Shelton, Beth Anne, et al. (2012). Bake sales for a better America: The role of school volunteers in civic life. *International Journal of Interdisciplinary Social Sciences*, 6(7), 25-38. Journal Article

Shelton, Jason E., et al. (2012). *Blacks and Whites in Christian America: How racial discrimination shapes religious convictions* Book

Shelton, Jason E., et al. (2012). Race, ethnicity, and socioeconomic inequality among minority middle classes. *American Behavioral Scientist, Special Issue: Minority Middle Classes*, 56(5), 643-649. Journal Article

Skiles-duToit, Sara, et al. (2012). Reconceptualizing and theorizing 'omnivorousness': Genetic and relational mechanisms. *Sociological Theory*, 30(4), 261-280. Journal Article

Speier, Amy. (2012). Reproductive tourism: Health care crisis reifies globalized stratified reproduction. In Sarah M. Lyon, & E. Christian Wells (Eds.), *Global tourism: Cultural heritage and economic encounters*. (pp. 209-226) Book Chapter

Theatre Arts – Mr. Kim A. LaFontaine, Chair

Gaupp, Andrew Christopher. *Marisol* (2012). (Fall 2012). Arlington, TX
Director

Gaupp, Andrew Christopher. Role of James Lyngk in *Glengerry Glen Ross* (2012). (June 28-30, 2012). Arlington, TX Actor

Gaupp, Andrew Christopher. Role of Terry in *You Try Living Here* (2012). (August 1-5, 2012). Washington, DC Actor

College of Nursing - Dr. Elizabeth Poster, Dean

Adegbola, Maxine. *Named a Fellow in the National League of Nursing Academy of Nursing Education.* Award

Anderson, Mindi, et al. (2012). Acquisition of simulation skills: A survey of users. *Clinical Simulation in Nursing*, 8(2), e59-e65. doi: 10.1016/j.ecns.2010.07.002 Journal Article

Anderson, Mindi, et al. (2012). Can a virtual patient trainer teach students how to save lives-teaching nursing students about pediatric respiratory diseases. *Simulation in Healthcare*, 7(1), 10-17. doi: 10.1097/SIH.0b013e31823652de Journal Article

Ashwill, Regina (Jean) L., et al. (2012). *Nursing care of children: Principles and practice* (4th ed.) Book

Baker, Joy Don. *AORN Journal*, Editor-in-Chief

Baker, Joy Don. (2012). A legacy of legendary leadership. *AORN Journal*, 96(2), 117-119. doi: 10.1016/j.aorn.2012.06.002 Journal Article

Baker, Joy Don. (2012). The multigenerational perioperative nursing workforce: A celebration for Labor Day. *AORN Journal*, 96(3), 231-234. doi: 10.1016/j.aorn.2012.07.013. Journal Article

Baker, Joy Don. (2012). Nursing informatics. *Perioperative Nursing Clinics*, 7(2), 151-160. doi: 10.1016/j.cpen.2012.02.010 Journal Article

Baker, Joy Don. (2012). Preface: Nursing informatics. *Perioperative Nursing Clinics*, 7(2), xi-xii. doi: 10.1016/j.cpen.2012.03.002 Journal, Electronic

Baker, Joy Don. (2012). Quid pro quo of peer review. *AORN Journal*, 96(4), 356-360. doi: 10.1016/j.aorn.2012.08.013 Journal Article

Baker, Joy Don. (2012). The seven Rs of supporting opinion and avoiding plagiarism. *AORN Journal*, 96(5), 465-468. doi: 10.1016/j.aorn.2012.09.001 Journal Article

Baker, Joy Don. (2012). Yellow pages: It is all about file management. *Perioperative Nursing Clinics*, 7(2), 223-235. doi: 10.1016/j.cpen.2012.02.006 Journal Article

COLLEGE OF NURSING

- Barnes, Donelle M.**, et al. (2012). Mexican immigrants' and Mexican Americans' perceptions of hypertension. *Qualitative Health Research*, 22(12), 1685-1693. doi: 10.1177/1049732312458181 Journal Article
- Baxley, Susan M.** (2012). Anticipating mothering in the Mexican origin woman. *Hispanic Health Care International*, 10(2), 75-83. Journal Article
- Baxley, Susan M., et al. (2012). Hardiness, perceived social support, perceived institutional support and progression of Masters students in a Masters of Nursing program. *Hispanic Health Care International*, 10(3), 109-117. Journal Article
- Bond, Mary Lou**, et al. (2012). Acquisition of simulation skills: A survey of users. *Clinical Simulation in Nursing*, 8(2), e59-e65. Journal Article
- Bond, Mary Lou, et al. (2012). Finding and keeping diversity in your program: Hispanics in the health professions. In Antonia M. Villarruel, & Sara Torres (Eds.), *Hispanic voices: Progreso, poder, y promesa (progress, power, and promise)*. (pp. 41-54) Book Chapter
- Bond, Mary Lou, et al. (2012). Hardiness, perceived social support, perceived institutional support and progression of Masters students in a Masters of Nursing program. *Hispanic Healthcare International*, 10(3), 109-117. Journal Article
- Bond, Mary Lou, et al. (2012). Meeting tomorrow's healthcare needs through local and global involvement. *Journal of Continuing Nursing Education*, 43(2), 75-80. Journal Article
- Cason, Carolyn L.**, et al. (2012). Acquisition of simulation skills: A survey of users. *Clinical Simulation in Nursing*, 8(2), e59-e65. Journal Article
- Cason, Carolyn L., et al. (2012). The biomechanics of patient room standardization. *Health Environments Research Design Journal*, 5(2), 29-45. Journal Article
- Cason, Carolyn L., et al. (2012). Finding and keeping diversity in your program: Hispanics in the health professions. In Antonia M. Villarruel, & Sara Torres (Eds.), *Hispanic voices: Progreso, poder, y promesa (progress, power, and promise)*. (pp. 41-54) Book Chapter
- Cazzell, Mary**, et al. (2012). Comparison of neural correlates of risk decision making between genders: An fNIRS study of the Balloon Analogue Risk Task (BART). *Neuroimage*, 62(3), 1896-1911. Journal Article
- Cazzell, Mary, et al. (2012). Using OSCE for simulation evaluation: Checklist considerations for inter-rater reliability. *Clinical Simulation in Nursing*, , doi: 10.1016/j.ecns.2011.10.004. Journal Article
- Cipher, Daisha Jane**, et al. (2012). The effectiveness of supported employment for veterans with spinal cord injuries: results from a randomized multi-site study. *Archives of Physical Medicine and Rehabilitation*, 93(5), 740-747. Journal Article
- Cipher, Daisha Jane. (2012). Interpreting research outcomes. In Susan K. Grove, Nancy Burns & Jennifer Gray (Eds.), *The practice of nursing research: Appraisal, synthesis, and generation of evidence*. (7th ed., pp. 590-601) Book Chapter
- Cipher, Daisha Jane, et al. (2012). Introduction to statistical analysis. In Susan K. Grove, Nancy Burns & Jennifer Gray (Eds.), *The practice of nursing research: Appraisal, synthesis, and generation of evidence*. (Seventh ed.,) Book Chapter
- Cipher, Daisha Jane, et al. (2012). Optical coherence tomography evaluation of drug-eluting stents: a systematic review. *Catheterization and Cardiovascular Interventions*, Journal Article
- Cipher, Daisha Jane, et al. (Advance Online). Trends in hospice referral and length of stay at a veterans hospital over the past decade. *American Journal of Hospice and Palliative Care*, doi: 10.1177/1049909112453642 Journal, Electronic
- Cipher, Daisha Jane. (2012). Using statistics to describe variables. In Susan K. Grove, Nancy Burns & Jennifer Gray (Eds.), *The practice of nursing research: Appraisal, synthesis, and generation of evidence*. (7th ed., pp. 550-559) Book Chapter
- Cipher, Daisha Jane. (2012). Using statistics to examine relationships. In Susan K. Grove, Nancy Burns & Jennifer Gray (Eds.), *The practice of nursing research: Appraisal, synthesis, and generation of evidence*. (7th ed., pp. 560-569) Book Chapter

- Cipher, Daisha Jane. (2012). Using statistics to predict. In Susan K. Grove, Nancy Burns & Jennifer Gray (Eds.), *The practice of nursing research: Appraisal, synthesis, and generation of evidence*. (Seventh ed., pp. 570-579) Book Chapter
- Clapper, Timothy C.**, et al. (2012). The Broselow tape as an effective medication dosing instrument: A review of the literature. *Journal of Pediatric Nursing*, 27(4), 416-420. Journal Article
- Clapper, Timothy C. (2012). Development of a hybrid simulation course to reduce central line infections. *Journal of Continuing Education in Nursing*, 43(5), 218-224. doi: 10.3928/00220124-20111101-06 Journal Article
- Clapper, Timothy C., et al. (2012). Gauging the effectiveness of brain-based learning and simulation in an airway management course for emergency medicine interns. *Journal of Emergency Disaster Medicine*, 1(1), 1-4. Journal Article
- Clapper, Timothy C. (2012). Retention in online courses: Surviving the first week. *Evollution*. Retrieved from http://www.evollution.com/program_planning/retention-in-online-courses-surviving-the-first-week/ Newspaper Article
- Clapper, Timothy C., et al. (2012). TeamSTEPPS: The patient safety tool that needs to be implemented. *Clinical Simulation in Nursing*, 8(8), e367-e373. doi:10.1016/j.ecns.2011.03.002 Journal Article
- Clapper, Timothy C., et al. (2010). Using deliberate practice and simulation to improve nursing skills. *Clinical Simulation in Nursing*, 8(3), e109-e133. doi: 10.1016/j.ecns.2010.12.001 Journal Article
- Clapper, Timothy C., et al. (Accepted). Why your TeamSTEPPS program may not be working. *Clinical Simulation in Nursing*. doi:10.1016/j.ecns.2012.03.007 Journal Article
- Crenshaw, Jeanette Theresa**. *Named Fellow in the American Academy of Nursing Award*
- Daniel, Kathryn M.** (2012). American Geriatrics Society Expert Panel on the Care of Older Adults with Multimorbidity. Patient centered care for older adults with multiple chronic conditions: a stepwise approach from the American Geriatrics Society. *Journal of the American Geriatrics Society*, 60(10), 1957-1968. doi: 10.1111/j.1532-5415.2012.04187.x Journal Article
- Daniel, Kathryn M. (2012). Guiding principles for the care of older adults with multimorbidity: an approach for clinicians: American Geriatrics Society Expert Panel on the Care of Older Adults with Multimorbidity. *Journal of the American Geriatrics Society*, 60(10), e1-e25. doi: 10.1111/j.1532-5415.2012.04188.x Journal Article
- Daniel, Kathryn M. (2012). Wii-hab for pre-frail older adults. *Rehabilitation Nursing: The Official Journal of the Association of Rehabilitation Nurses*, 37(4), 195-201. Journal Article
- Grove, Susan K.**, *Heart and Lung*, Editorial Board
- Handy, Nancy Jo**, et al. (2012). A national study comparing the tolerability and effectiveness of colon cleansing preparations. *Gastroenterology Nursing*, 35(3), 182-191. doi: 10.1097/SGA.0b013e318255b94a Journal Article
- John, Lauri D.**, et al. (2012). Can a virtual patient trainer teach student nurses how to save lives—Teaching nursing students about pediatric respiratory diseases. *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare*, 7(1), 10-17. Journal Article
- LeFlore, Judy Lynn**, et al. (2012). The acute care pediatric nurse practitioner: Curriculum overview. *Journal of Pediatric Healthcare*, 26(3), 231-237. doi: 10.1016/j.pedhc.2011.11.001. Journal Article
- LeFlore, Judy Lynn, et al. (2012). Can a virtual patient trainer teach student nurses how to save lives—Teaching nursing students about pediatric respiratory diseases. *Simulation in Healthcare*, 7(1), 10-17. doi: 10.1097/SIH.0b013e31823652de Journal Article
- LeFlore, Judy Lynn, et al. (Accepted). Evaluating videotaped role-modeling to teach Crisis Resource Management (CRM) principles. *Clinical Simulation in Nursing*. Journal Article
- LeFlore, Judy Lynn. *Journal of Neonatal and Perinatal Nursing*, Neonatal Editorial Board
- LeFlore, Judy Lynn. *Named fellow in the American Academy of Nursing Award*
- LeFlore, Judy Lynn. *Simulation in Healthcare*, Editorial Board

COLLEGE OF NURSING

- Mancini, Mary E.**, et al. (2012). A systematic review of retention of adult advanced life support knowledge and skills in healthcare providers. *Resuscitation*, 83(9), 1055-1060. doi: 10.1016/j.resuscitation.2012.02.027 Journal Article
- Mintz-Binder, Ronda D.**, et al. (2012). Exposure to bullying at the associate degree nursing program director level. *Teaching and Learning in Nursing*, 7(4), 152-158. Journal Article
- Mintz-Binder, Ronda D., et al. (2012). Work load demand: A significant factor in the overall well-being of directors of associate degree nursing programs. *Teaching and Learning in Nursing*, 7(1), 10-16. doi: 10.1016/j.teln.2011.07.001 Journal Article
- Newcomb, Patricia**, et al. (2012). Acute effects of walking environment and GSTM1 variants in children with asthma. *Biological Research for Nursing*, 14(1), 55-64. doi: 10.1177/1099800410389167 Journal Article
- Newcomb, Patricia, et al. (2012). The complex airway in childhood asthma. *Current Pediatric Reviews*, 8(1), 2-19. Journal Article
- Newcomb, Patricia. (2012). Spreadsheet and relational database programs: Useful tools for peri-operative nurses. *Perioperative Nursing Clinics of North America*, 7(2), 211-221. Journal Article
- Newcomb, Patricia, et al. (2012). Transmission of family health information within families. *Open Journal of Nursing*, 2(1), 15-22. doi:10.4236/ojn.2012.21003 Journal Article
- Poster, Elizabeth C.**, et al. (2012). Differentiated essential competencies: A view from practice. *Journal of Nursing Administration*, 42(1), 58-63. Journal Article
- Poster, Elizabeth C. *Journal of Child and Adolescent Psychiatric Nursing*, Editor
- Poster, Elizabeth C. (January 27, 2012). *Top 12 Women in Healthcare*. Dallas, TX: Health Care Industry Council of the North Texas Region. Award
- Raudonis, Barbara Mary**, et al. (2012). Life review: Connecting undergraduate nursing students with older adults. *Nursing Education Perspectives*, 33(3), 193-194. Journal Article
- Raudonis, Barbara Mary, et al. (2012). Transmission of family health information within families. *Open Journal of Nursing*, 2(1), 15-22. doi: 10.4236/ojn.2012.21003 Journal Article
- Schmelzer, Marilee**. (2012). Are you fit for research? *Gastroenterology Nursing*, 35(6), 421-422. Journal Article
- Schmelzer, Marilee, et al. (2012). A national study comparing the tolerability and effectiveness of colon-cleansing preparations. *Gastroenterology Nursing*, 35(3), 182-191. Journal Article
- Snow, Diane Morrison**. *Journal of Addictions Nursing*, Associate Editor
- Snow, Diane Morrison. *Journal of Addictions Nursing*, Editor of the Research Review Column.
- Snow, Diane Morrison, *Perspectives in Psychiatric Care*, Editorial Board
- Thomas, Patricia E.**, et al. (2012). Can a virtual patient trainer teach student nurses how to save lives- Teaching nursing students about pediatric respiratory diseases. *Simulation in Healthcare*, 7(1), 10-17. doi: 10.1097/SIH.0b013e31823652de Journal Article
- Young, Michael**. *American Association of Health Education*, Chair, Board of Associate Editors.
- Young, Michael. *American Journal of Health Behavior*, Editorial Board
- Young, Michael. *American Journal of Health Education*, Associate Editor, Executive Editorial Advisory Board
- Young, Michael, et al. (2012). Impact of personal and organizational religiosity on college student sexual behavior. *American Journal of Health Studies*, 27(1), 13-22. Journal Article
- Young, Michael. *Journal of School Health: American School Health Association*, Editorial Board

**College of Science -
Dr. Pamela Jansma, Dean**

**Biology –
Dr. Jonathan Campbell, Chair**

Betrán, Esther. *Genome Biology and Evolution*, Editor

Betrán, Esther. *Journal of Molecular Evolution*, Editor

Betrán, Esther. *Open Evolution Journal*, Editorial Advisory Board

Betrán, Esther, et al. (2012). Segmental duplication, microinversion, and gene loss associated with a complex inversion breakpoint region in *Drosophila*. *Molecular Biology and Evolution*, 29(7), 1875-1889. Journal Article

Betrán, Esther, et al. (2012). Why chromosome palindromes? *International Journal of Evolutionary Biology*, 2012, Article ID 207958 (14 pages). doi: 10.1155/2012/207958 Journal Article

Campbell, Jonathan. Henry S. Fitch Award for Excellence in Herpetology Award

Castoe, Todd, et al. (2012). Cryptic diversity in disjunct populations of Middle American Montane Pit vipers: a systematic reassessment of *Cerrophidion godmani*. *Zoologica Scripta*, 41(5), 455-470. doi: 10.1111/j.1463-6409.2012.00547.x Journal Article

Castoe, Todd, et al. (2012). Germline TRAV5D-4 T cell receptor sequence targets a primary insulin peptide of NOD mice. *Diabetes*, 61, 857-865. doi: 10.2337/db11-1113 Journal Article

Castoe, Todd, et al. (2012). LTR retrotransposons contribute to genomic gigantism in plethodontid salamanders. *Genome Biology and Evolution*, 4, 168-183. doi: 10.1093/gbe/evr139 Journal Article

Castoe, Todd, et al. (2012). Rapid microsatellite identification from Illumina paired-end genomic sequencing in two birds and a snake. *PLoS One*, 7(2), Article ID e30953 (7 pages). doi: 10.1371/journal.pone.0030953 Journal Article

Castoe, Todd, et al. (2012). Sequencing three crocodylian genomes to illumi-

nate the evolution of archosaurs and amniotes. *Genome Biology*, 13, 415-415. doi: 10.1186/gb-2012-13-1-415 Journal Article

Castoe, Todd, et al. (2012). Transcriptome sequencing of black grouse (*Tetrao tetrix*) for immune gene discovery and microsatellite development. *Open Biology*, 2(4), Article ID 120054. doi: 10.1098/rsob.120054 Journal Article

Chang, Woo-Suk, et al. (2012). A cloning vector employing a versatile β -glucosidase as an indicator for recombinant clones. *Analytical Biochemistry*, 425(2), 166-168. doi: 10.1016/j.ab.2012.03.004 Journal Article

Chang, Woo-Suk, et al. (2012). Effect of soybean coumestrol on nodulation, biofilm formation, and the transcriptional profile of *Bradyrhizobium japonicum*. *Applied and Environmental Microbiology*, 78(8), 2896-2903. doi: 10.1128/AEM.07336-11 Journal Article

Chippindale, Paul T., et al. (2012). Patterns of genetic differentiation among populations of *Smilisca fodiens*. *Herpetologica*, 68, 226-235. doi: 10.1655/HERPETOLOGICA-D-11-00064.1 Journal Article

Christensen, Shawn, et al. (2012). *Nano-scale biosensors*, UTA Ref. No. 08-40, Patent No. 8283,936. Issue Date 10/09/2012 Patent

Christensen, Shawn, et al. (2012). Nanostructures for medical diagnostics. *Journal of Nanomaterials*, 2012, Article ID 486301. doi: 10.1155/2012/486301 Journal Article

Chrzanowski, Thomas H., et al. (Accepted). Ecological impacts of an invasive grass *Sorghum halepense* on native tallgrass prairie. *Biological Invasions*, doi: 10.107/s10530-012-0289-7 Journal Article

Chrzanowski, Thomas H., et al. (2012). A simple defined medium for growth and maintenance of the mixotrophic protist *Ochromonas danica*. *Journal of Microbiological Methods*, 88(2), 322-324. doi: 10.1016/j.mimet.2011.12.016 Journal Article

Demuth, Jeffrey, et al. (2012). Gene expression levels are correlated with synonymous codon usage, amino acid composition and gene architecture in the red flour beetle, *Tribolium castaneum*. *Molecular Biology and Evolution*, doi: 10.1093/molbev/mss184 Journal Article

COLLEGE OF SCIENCE

- Demuth, Jeffrey, et al. (2012). Haldane's rule in marsupials: What happens when both sexes are functionally hemizygous? *Journal of Heredity*, 103, 453-458. Journal Article
- Demuth, Jeffrey, et al. (2012). Sex, war, and disease: The role of parasite infection on weapon development and mating success in a horned beetle (*Gnatocerus cornutus*). *PLoS One*, 7(1), Article ID e28690. doi: 10.1371/journal.pone.0028690 Journal Article
- Demuth, Jeffrey, et al. (2012). Why chromosome palindromes? *International Journal of Evolutionary Biology*, 2012, Article ID 207958. doi: 10.1155/2012/207958 Journal Article
- Fondon, John**, et al. (2012). Analysis of microsatellite variation in *Drosophila melanogaster* with population-scale genome sequencing. *PLoS One*, 7(3), e33036. Journal Article
- Fondon, John, et al. (2012). Variation of BMP3 contributes to dog breed skull diversity. *PLoS Genetics*, 8(8), e1002849. Journal Article
- Formanowicz, Daniel R.**, et al. (2012). A comparison of maximum sprint speed among the five-lined skinks (*Plestiodon*) of the Southeastern United States at ecologically relevant temperatures. *Herpetological Conservation Biology*, 7, 75-82. Journal Article
- Formanowicz, Daniel R., et al. (2012). The effect of leg autotomy on terrestrial and aquatic locomotion in the wolf spider, *Pardosa valens*. *Journal of Arachnology*, 40(234), 239. Journal Article
- Fujita, Matthew**, et al. (2012). Coalescent-based species delimitation in an integrative taxonomy. *Trends in Ecology and Evolution*, 27, 480-488. Journal Article
- Fujita, Matthew, et al. (2012). Cyto-nuclear interactions, genome dosage effects and metabolic scaling in parthenogenetic lizards of reciprocal hybrid origin. *Journal of Evolutionary Biology*, 25, 252-263. doi: 10.1111/j.1420-9101.2011.02438.x Journal Article
- Fujita, Matthew, et al. (2012). The genus *Astylosternus* in the Upper Guinea rainforests, West Africa, with the description of a new species (Amphibia: Anura: Arthroleptidae). *Zootaxa*, 3245, 1-29. Journal Article
- Fujita, Matthew, et al. (2012). Sequencing three crocodylian genomes to illuminate the evolution of archosaurs and amniotes. *Genome Biology*, 13(1), 415-415. doi: 10.1186/gb-2012-13-1-415 Journal Article
- Gough, Laura**, et al. (2012). Above- and belowground responses of arctic tundra ecosystems to altered soil nutrients and mammalian herbivory. *Ecology*, 93, 1683-1694. Journal Article
- Gough, Laura. *Ecology and Ecological Monographs*, Subject Matter Editor
- Gough, Laura. (2012). Freshwater arctic tundra wetlands. In D. Batzer, & A. Baldwin (Eds.), *Wetland habitats of North America: Ecology and conservation concerns*. (pp. 371-385) Book Chapter
- Gough, Laura, et al. (2012). Incorporating clonal growth form clarifies the role of plant height in response to nitrogen addition. *Oecologia*, 169, 1053-1062. Journal Article
- Gough, Laura, et al. (2012). The role of temperature in determining distributions and coexistence of three species of *Plestiodon*. *Journal of Thermal Biology*, 37, 374-379. Journal Article
- Grover, James P.**, et al. (2012). Anticipated human population and climate change effects on algal blooms of a toxic haptophyte in the south-central USA. *Canadian Journal of Fisheries & Aquatic Sciences*, 69, 1389-1404. Journal Article
- Grover, James P., et al. (2012). Beyond hydraulic flushing, deep water mixing takes the harm out of an algal bloom. *Harmful Algae*, 20, 42-57. doi: 10.1016/j.hal.2012.07.006 Journal Article
- Grover, James P., et al. (2012). Competition between microorganisms for a single limiting resource with cell quota structure and spatial variation. *Journal of Mathematical Biology*, 64, 713-743. Journal Article
- Grover, James P. *Ecology Letters*, Senior Editor
- Grover, James P., et al. (2012). Modeling of plankton community dynamics characterized by algal toxicity and allelopathy: A focus on historical *Prymnesium parvum* blooms in a Texas reservoir. *Ecological Modelling*, 227, 147-161. Journal Article

- Grover, James P., et al. (2012). Stimulating effects of *Anabena* sp. (cyanobacteria) exudates on *Prymnesium parvum* (haptophyta). *Journal of Phycology*, 48(4), 1045-1049. doi: 10.1111/j.1529-8817.2012.01164.x Journal Article
- Melotto, Maeli**, et al. (2012). Changes in spatial and temporal gene expression during incompatible interaction between common bean and anthracnose pathogen. *Journal of Plant Physiology*, 15, 1216-1220. Journal Article
- Melotto, Maeli, et al. (2012). Determining the genomic structure of a QTL linked to angular leaf spot resistance. *Bean Improvement Cooperative Annual Report*, 55, 39-40. Journal Article
- Melotto, Maeli, et al. (2012). Dissecting *Phaseolus vulgaris* innate immune system against *Colletotrichum lindemuthianum* infection. *PLoS One*, 7(8), Article ID e43161. doi: 10.1371/journal.pone.0043161 Journal Article
- Melotto, Maeli, et al. (2012). Transcription factor-dependent nuclear localization of a transcriptional repressor in jasmonate hormone signaling. *Proceedings of the National Academy of Sciences*, 109(49), 20148-20153. doi: 10.1073/pnas.1210054109 Journal Article
- Mydlarz, Laura**, et al. (2012). Affinity screening chromatography-mass spectrometry assay for identification of antibacterial agents from natural product sources. *Analytica Chimica Acta*, 713, 103-110. doi: 10.1016/j.aca.2011.11.038 Journal Article
- Mydlarz, Laura, et al. (2012). Microbial regulation in gorgonian corals. *Marine Drugs*, 10(6), 1225-1243. doi: 10.3390/md10061225 Journal Article
- Mydlarz, Laura, et al. (2012). Sex, war, and disease: The role of parasite infection on weapon development and mating success in a horned beetle (*Gnatocerus cornutus*). *PLoS One*, 7(1), e28690. Journal Article
- Mydlarz, Laura, et al. (2012). Symbiodinium types in response to elevated temperatures. *Microbial Ecology*, doi: 10.1007/s00248-012-0085-z Journal Article
- Mydlarz, Laura, et al. (2012). Variations in reactive oxygen release and anti-oxidant activity in multiple Symbiodinium types in response to elevated temperature. *Microbial Ecology*, 64(4), 1000-1007. doi: 10.1007/s00248-012-0085-z Journal Article
- Passy, Sophia I.** (2012). A hierarchical theory of macroecology. *Ecology Letters*, 15(9), 923-934. doi: 10.1111/j.1461-0248.2012.01809.x Journal Article
- Passy, Sophia I., et al. (2012). The relationship between species richness and evenness: a meta-analysis of studies across aquatic ecosystems. *Oecologia*, 169(3), 803-809. doi: 10.1007/s00442-011-2236-1 Journal Article
- Passy, Sophia I., et al. (2012). Taxonomic and functional composition of the algal benthos exhibits similar successional trends in response to nutrient supply and current velocity. *FEMS Microbiology Ecology*, 80(2), 352-362. doi: 10.1111/j.1574-6941.2012.01302.x Journal Article
- Rodrigues, Jorge**, et al. (2012). A composite bacteriophage alters colonization by an intestinal commensal bacterium. *Proceedings of the National Academy of Sciences*, 109(43), 17621-17626. doi: 10.1073/pnas.1206136109 Journal Article
- Rodrigues, Jorge, et al. (2012). Conversion of the Amazon rainforest to agriculture results in biotic homogenization of soil microbial communities. *Proceedings of the National Academy of Sciences*, 110(3), 988-993. doi: 10.1073/pnas.122060811 Journal Article
- Rodrigues, Jorge, et al. (2012). Development of a direct isolation procedure for free-living diazotrophs under controlled hypoxic conditions. *Applied and Environmental Microbiology*, 78(16), 5542-5549. doi: 10.1128/AEM.00714-12 Journal Article
- Rodrigues, Jorge, et al. (2012). Genomic and physiological characterization of the Verrucomicrobia isolate DiPLoSphaera colotermitum gen. nov., sp. nov. reveals microaerophily and nitrogen fixation genes. *Applied and Environmental Microbiology*, 78(5), 1544-1555. doi: 10.1128/AEM.06466-11 Journal Article
- Rodrigues, Jorge, et al. (2012). High draft genome sequence of the Opitutaceae bacterium strain TAV1, a symbiont of the wood-feeding termite *Reticulitermes flavipes*. *Journal of Bacteriology*, 194(10), 2744-2745. doi: 10.1128/JB.00264-12 Journal Article

COLLEGE OF SCIENCE

- Roner, Michael R., et al. (Accepted) Effect of bulk doping on the electrical conductivity of selected metallocene polyamines. *Journal of Inorganic and Organometallic Polymers and Materials*, doi: 10.1007/s10904-012-9696-6 Journal Article
- Roner, Michael R., et al. (2012). Fragmentation of MALDI MS of the polyether products of Group IVB metallocene dichlorides with isomannide. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 106 489-491. Conference Proceedings
- Roner, Michael R., et al. (2012). Inhibition of pancreatic cancer cell lines by Group IVB metallocene and Group VA metal-containing polymers derived from glycyrrhetic acid, 3,5-pyridine-dicarboxylic acid, and histamine. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., Conference Proceedings
- Roner, Michael R., et al. (2012). Inhibition of pancreatic cancer cell lines by Group IVB metallocene and Group VA metal-containing polymers derived from glycyrrhetic acid, 3,5-pyridine-dicarboxylic acid, and histamine. *Polymeric Materials: Science and Engineering*, 107, 325-328. Journal Article
- Roner, Michael R., et al. (2012). Inhibition of pancreatic cancer cell lines by metal-containing polymers derived from glycyrrhetic acid, 6-aminopenicillanic acid, histamine, and phentolamine (regitine). *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 106 492-497. Conference Proceedings
- Roner, Michael R., et al. (2012). Inhibition of pancreatic cancer cell lines by metal-containing polymers derived from thiamine, 3,5-pyridinedicarboxylic acid and isomannide. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 106 498-502. Conference Proceedings
- Roner, Michael R., et al. (2012). Inhibition of pancreatic cancer cell lines by organotin polyesters containing thiodiglycolic acid and chelidonic acid. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 107 329-331. Conference Proceedings
- Roner, Michael R., et al. (2012). Initial synthesis of organoarsenic, organoantimony, and organobismuth polyether esters from reaction with glycyrrhetic acid. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 107 336-341. Conference Proceedings
- Roner, Michael R., et al. (2012). Initial synthesis of organotin polyesters containing 3,5-pyridinedicarboxylic acid. *Polymeric Materials: Science and Engineering*, 107, 332-335. Journal Article
- Roner, Michael R., et al. (2012). MALDI MS of the products of organotin dihalides with 3,5-pyridinedicarboxylic acid. *American Chemical Society National Meeting*. March 25-29, 2012. San Diego, CA. Conference Proceedings
- Roner, Michael R., et al. (2012). MALDI MS of the products of organotin dihalides with histamine. *American Chemical Society National Meeting*. March 25-29, 2012. San Diego, CA., 106 506-508. Conference Proceedings
- Roner, Michael R., et al. (2012). MALDI MS of the products of transition metal metallocene dichlorides with glycyrrhetic acid. *American Chemical Society National Meeting*. March 25-29, 2012. San Diego, CA., 106 509-512. Conference Proceedings
- Roner, Michael R., et al. (2012). Organotin polyamine esters from reaction of 6-aminopenicillanic acid and organotin dihalides. *Journal of Polymer Materials*, 29(4), 377-390. Journal Article
- Roner, Michael R., et al. (2012). Organotin polyesters containing chelidonic acid: Synthesis. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 107 342-344. Conference Proceedings
- Roner, Michael R., et al. (2012). Organotin polyesters containing thiodiglycolic acid: Synthesis. *American Chemical Society National Meeting: Spring*. March 25-29, 2012. San Diego, CA., 107 345-347. Conference Proceedings
- Roner, Michael R., et al. (2012). Synthesis, structural analysis, fiber formation and preliminary anticancer characterization of the organotin polyether from dibutyltin dichloride and 2,5 dimethyl-3-hexyne-2,5-diol. *Journal of Polymer Materials*, 29(4), 361-376. Journal Article

Smith-Urrutia, Eric N., et al. (2012). Neuromuscular activity of the venoms of the Colombian coral snakes *Micrurus dissoleucus* and *Micrurus mipartitus*: Ecological and evolutionary perspectives. *Toxicon*, 59(1), 132-142. doi: 10.1016/j.toxicon.2011.10.017. Journal Article

Walsh, Matthew, et al. (2012). A cascade of evolution change alters consumer-resource dynamics and ecosystem function. *Proceedings of the Royal Society B*, 279, 2184-3192. doi: 10.1098/rspb.2012.0496 Journal Article

Walsh, Matthew, et al. (2012). Convergence of life history phenotypes in a Trinidadian killifish (*Rivulus hartii*). *Evolution*, 66(4), 1245-1254. doi: 10.1111/j.1558-5646.2011.01520.x Journal Article

Walsh, Matthew, et al. (2012). Environmental and organismal predictors of intraspecific variation in the stoichiometry in a freshwater neotropical fish. *PLoS One*, 7(3), e32713. doi: 10.1371/journal.pone.0032713 Journal Article

Walsh, Matthew, et al. (2012). The impact of intraspecific variation in a fish predator on the evolution of phenotypic plasticity and investment in sex in *Daphnia*. *Journal of Evolutionary Biology*, 25(1), 80-89. doi: 10.1111/j.1420-9101.2011.02403.x Journal Article

Chemistry & Biochemistry – Dr. Rasika Dias, Chair

Armstrong, Daniel W. *Analytical Chemistry*, Associate Editor

Armstrong, Daniel W. *Chirality*, Editorial Advisory Board

Armstrong, Daniel W. *Chromatographia*, Editorial Advisory Board

Armstrong, Daniel W. *Electrophoresis*, Editorial Advisory Board

Armstrong, Daniel W. *Journal of Separation Science*, Editorial Advisory Board

Armstrong, Daniel W. *Scientia Chromatographica* (Associação Internacional de Cromatografia, Sao Carlos, Brazil), Editorial Advisory Board

Armstrong, Daniel W. *Separation Science and Technology*, Editorial Advisory Board

Bugarin, Alejandro, et al. (2012). Copper-catalyzed aerobic oxidation of N-substituted hydroxylamines: Efficient and practical access to nitroso compounds. *Organic Letters*, 14, 3620-3623. Journal Article

Bugarin, Alejandro, et al. (2012). Electrophilic α -amination reaction of β -ketoesters using N-hydroxycarbamates: Merging aerobic oxidation and Lewis acid catalysis. *Journal of the American Chemical Society*, 134(46), 18948-18951. Journal Article

Dasgupta, Purnendu. *Analytica Chimica Acta*, Editor

Dasgupta, Purnendu. *Analytical Sciences*, Advisory Board

Dasgupta, Purnendu, et al. (2012). Breastfed infants metabolize perchlorate. *Environmental Science & Technology*, 46, 5151-5159. Journal Article

Dasgupta, Purnendu, et al. (2012). A capacitance sensor for water: Trace moisture measurement in gases and organic solvents. *Analytical Chemistry*, 84, 8891-8897. Journal Article

Dasgupta, Purnendu, et al. (2012). Characterization of a constant current charge detector. *Talanta*, 102, 44-52. Journal Article

Dasgupta, Purnendu, et al. (2012). Cobinamide chemistries for colorimetric cyanide measurement. A merging zone liquid core waveguide cyanide analyzer using cyanoaquacobinamide. *Analytica Chimica Acta*, 736, 78-84. doi: 10.1016/j.aca.2012.05.028 Journal Article

Dasgupta, Purnendu, et al. (2012). Confeito-like assembly of organosilicate-caged fluorophores: Ultrabright suprananoparticles for fluorescence imaging. *Nanotechnology*, 23(17), Article 17561. doi: 10.1088/0957-4484/23/17/175601 Journal Article

Dasgupta, Purnendu, et al. (2012). Dual stage preconcentration of trace aqueous mercury for cold vapor atomic absorption spectrometry. *Talanta*, 99, 1040-1045. Journal Article

Dasgupta, Purnendu, et al. (2012). Electrodialytic ion isolation for matrix removal. *Analytical Chemistry*, 84, 5421-5426. Journal Article

Dasgupta, Purnendu, et al. (2012). Electrodialytic membrane suppressors for ion chromatography make programmable buffer generators. *Analytical Chemistry*, 84, 67-75. Journal Article

COLLEGE OF SCIENCE

- Dasgupta, Purnendu, et al. (2012). Iron(III) modification of *Bacillus subtilis* membranes provides record sorption capacity for arsenic and endows unusual selectivity for As(V). *Environmental Science & Technology*, 46(4), 2251-2256. doi: 10.1021/es204034z Journal Article
- Dasgupta, Purnendu. *Journal of Flow Injection Analysis*, Associate Editor
- Dasgupta, Purnendu, et al. (2012). Perchlorate, iodine supplements, iodized salt and breast milk iodine content. *Science of the Total Environment*, 420, 73-78. Journal Article
- Dasgupta, Purnendu, et al. (2012). pH and concentration programmable electro-dialytic buffer generator. *Analytical Chemistry*, 84, 59-66. Journal Article
- Dasgupta, Purnendu. (2012). Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy Dal Nogare Award Award
- Dasgupta, Purnendu, et al. (2012). Relative source contributions for perchlorate exposures in a lactating human cohort. *Science of the Total Environment*, 443, 939-943. Journal Article
- Dasgupta, Purnendu. *Talanta*, Advisory Board
- Dias, Rasika**, *Current Inorganic Chemistry*, Editorial Advisory Board
- Dias, Rasika. *Dalton Transactions*, Advisory Board
- Dias, Rasika, et al. (2012). Isolable tris(alkyne) and bis(alkyne) complexes of gold(I). *Angewandte Chemie International Edition*, 51, 3940-3943. Journal Article
- Dias, Rasika, et al. (2012). Structurally similar, thermally stable copper(I), silver(I), and gold(I) ethylene complexes supported by a fluorinated scorpionate. *Organometallics*, 31, 1511-1517. Journal Article
- Elsenbaumer, Ronald L.**, et al. (2012). *High performance lubricants and lubricant additives for crankcase oils, greases, gear oil and transmission oils*, UTA Ref. No. 04-05G3, Patent No. 8,227,389. Issue Date 7/24/2012 Patent
- Foss, Frank W. Jr.**, et al. (2012). Aerobic organocatalytic oxidation of aryl aldehydes: Flavin catalyst turnover by Hantsch's Ester. *Organic Letters*, 19, 5150-5153. Journal Article
- Foss, Frank W. Jr.**, et al. (2012). Diastereoselective discrimination of lysine-alanine-alanine peptides by zwitterionic cinchona alkaloid-based chiral selectors using electrospray ionization mass spectrometry. *Journal of Chromatography A*, 12, 308-315. doi: 10.1016/j.chroma.2012.08.010 Journal Article
- Foss, Frank W. Jr.**, et al. (2012). Organocatalytic dakin oxidation by nucleophilic flavin catalysts. *Organic Letters*, 14(11), 2806-2809. Journal Article
- Johnson-Winters, Kayunta**, et al. (2012). Determination of the distance between the Mo(V) and Fe(III) heme centers of wild type human sulfite oxidase by pulsed EPR spectroscopy. *Journal of Physical Chemistry B*, 116(6), 1942-1950. Journal Article
- Johnson-Winters, Kayunta, et al. (2012). The identity of the exchangeable sulfur-containing ligand at the Mo(V) center of R160Q human sulfite oxidase. *Inorganic Chemistry*, 51(3), 1408-1018. Journal Article
- MacDonnell, Frederick**, et al. (2012). Air impacts from three alternatives for producing JP-8 jet fuel. *Journal of the Air and Waste Management Association*, 62(10), 1182-1195. doi: 10.1080/10962247.2012.700632 Journal Article
- MacDonnell, Frederick, et al. (2012). Analysis and comparison of inertinite-derived adsorbent with conventional adsorbents. *Journal of the Air & Waste Management Association*, 62, 489-499. doi: 10.1080/10962247.2012.660269 Journal Article
- MacDonnell, Frederick, et al. (2012). *Compounds with modifying activity enhanced under hypoxic conditions*, UTA Ref. No. 05-11, Patent No. 8,246,967. Issued Date 8/21/2012 Patent
- MacDonnell, Frederick, et al. (2012). Electro-catalytic reduction of carbon dioxide using Pt/C-TiO₂ nanocomposite cathode. *Electrochemical and Solid-State Letters*, 15(1), B5-B8. Journal Article
- Mandal, Subhrangsu S.** (2012). *Apoptotic and anti-tumor activities of metallo-salens*, UTA Ref. No. 08-36, Patent No. 8,198,322. Issue Date 6/12/2012 Patent

Mandal, Subhrangsu S., et al. (2012). Homeodomain containing protein HOXB9 regulates expression of growth and angiogenic factors, facilitates tumor growth in vitro and is overexpressed in breast cancer tissue. *FEBS Journal*, 279, 3315-3326. Journal Article

Mandal, Subhrangsu S., et al. (2012). HOXC10 is overexpressed in breast cancer and transcriptionally regulated by estrogen via involvement of histone methylases MLL3 and MLL4. *Journal of Molecular Endocrinology*, 48, 61-75. Journal Article

Mandal, Subhrangsu S., et al. (2012). Mixed lineage leukemia-4 regulates cell cycle progression and cell viability and its depletion suppresses growth of xenografted tumor in vivo. *British Journal of Cancer*, 107, 315-325. Journal Article

Mandal, Subhrangsu S., et al. (2012). Synthesis, characterization, and anti-cancer activity of ruthenium-pyrazole complexes. *Journal of Inorganic Biochemistry*, 111, 33-39. Journal Article

Perera, Roshan P., et al. (2012). Biosynthetic approach for functional protein microarrays. *Analytical Biochemistry*, 424(2), 114-123. Journal Article

Pomerantz, Martin. *International Journal of Organic Chemistry*, Editorial Board

Rajeshwar, Krishnan. *ECS Interface*, Editor

Rajeshwar, Krishnan, et al. (2012). *Photocatalytic deposition of metals and compositions comprising the same*, UTA Ref. No. 07-02, Patent No. 8,143,185. Issue Date 3/27/2012 Patent

Schelly, Zoltan A. *ELOPTO Conference Series* (Colloidal and Molecular Electro-Optics), Chair of the International Advisory Board

Schelly, Zoltan A. (2012). International Committee for Molecular Electro-optics Kerr Medal Award

Schelly, Zoltan A. *Journal of Molecular Liquids*, Advisory Board and Editorial Board

Schug, Kevin A. ACS Division of Analytical Chemistry Award for Young

Investigators in Separation Science Award

Schug, Kevin A. *Analytica Chimica Acta*, Editorial Advisory Board

Schug, Kevin A., et al. (2012). Direct affinity screening chromatography-mass spectrometry assay for identification of antibacterial agents from natural product sources. *Analytica Chimica Acta*, 713, 103-110. Journal Article

Schug, Kevin A., et al. (2012). Hyphenation of flow-injection analysis with mass spectrometry: a versatile and high throughput technique. *Current Trends in Mass Spectrometry*, May, 26-33. Journal Article

Schug, Kevin A. *Journal of Separation Science*, Editor

Schug, Kevin A. *LCGC North American: A Bi-monthly E-newsletter Covering Chromatography Topics, Techniques, and Applications*. Editorial Advisory Board

Schug, Kevin A. (2012). Methods for screening enantioselective interactions in the solution phase using ESI-MS. In Lee M. (Ed.), *Applied mass spectrometry handbook* (pp. 229-226) Book Chapter

Tacconi, Norma, et al. (2012). *Photocatalytic deposition of metals and compositions comprising the same*, UTA Ref. No. 07-02, Patent No. 8,143,185. Issue Date 3/27/2012 Patent

Timmons, Richard. (2012). *Covalently functionalized particles for synthesis of new composite materials*, UTA Ref. No. 08-54, Patent No. 8,088,451. Issue Date 1/3/2012 Patent

COLLEGE OF SCIENCE

Earth and Environmental Sciences – Dr. Asish R. Basu, Chair

- Ellwood, Brooks B.**, et al. (2012). Magnetostratigraphy susceptibility for the Guadalupian Series GSSPs (Middle Permian) in Guadalupe Mountains National Park and adjacent areas in West Texas. In L. Jovane, E. Herre-ro-Bervera, L. A. Hinnov & B. A. Housen (Eds.), *Magnetic methods and the timing of geological processes* doi: 10.1144/SP373.1 Book Chapter
- Hu, Qinhong**, et al. (2012). Diffusivity of rocks: Gas diffusion measurements and correlation to porosity and pore-size distribution. *Water Resources Research*, 48(2), Article ID: W02507 (9 pages). doi: 10.1029/2011WR011098 Journal Article
- Hu, Qinhong, et al. (2012). Fractionation and speciation of arsenic in fresh and combusted coal wastes from Yangquan, northern China. *Environmental Geochemistry and Health*, 34(1), 113-122. doi: 10.1007/s10653-011-9395-1 Journal Article
- Hu, Qinhong. *Journal of Contaminant Hydrology*, Associate Editor
- Hu, Qinhong. *Journal of Environmental Radioactivity*, Editorial Board
- Hu, Qinhong, et al. (2012). LA-ICP-MS calibration with internal standard and modified constant-sum methods. *American Journal of Analytical Chemistry*, 3, 168-174. Journal Article
- Hu, Qinhong, et al. (2012). Low pore connectivity in natural rock. *Journal of Contaminant Hydrology*, 133, 76-83. Journal Article
- Hu, Qinhong, et al. (2012). Modeling intragranular diffusion in low-connectivity granular media. *Water Resources Research*, 48(3), W03518 (14 pages). doi:10.1029/2011WR011407 Journal Article
- Hu, Qinhong, et al. (2012). Quantitative 3-D elemental mapping by LA-ICP-MS of a basaltic clast from the Hanford 300 Area, Washington, USA. *Environmental Science and Technology*, 46(4), 2025-2032. doi: 10.1021/es2023785 Journal Article
- Hu, Qinhong, et al. (2012). Sorption, degradation, and transport of methyl iodide and other iodine species in geologic media. *Applied Geochemistry*, 27(3), 774-781. doi: 10.1016/j.apgeochem.2011.12.022 Journal Article
- Hu, Qinhong, et al. (2012). Uranium release from different size fractions of sediments in Hanford 300 Area, Washington, USA. *Journal of Environmental Radioactivity*, 107, 92-94. Journal Article
- Hu, Qinhong, et al. (2012). Using spontaneous water imbibition to measure the effective permeability of building materials. *Special Topics and Reviews in Porous Media*, 3(3), 209-312. doi: 10.1615/SpecialTopicsRevPorousMedia.v3.i3.20 Journal Article
- Mattioli, Glen S.**, et al. (2012). 2011-2012 campaign GPS geodetic monitoring of surface deformation, Dominica, Lesser Antilles. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). Analysis of and results from the GPS component of the Plate Boundary Observatory. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). An analysis of GPS and remote sensing data of Soufrière Hills Volcano, Montserrat, during the July 2003 dome collapse: Implications for detection of ash plumes and vertical deformation. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S. (2012). COCONet (Continuously Operating Caribbean GPS Observational Network): Infrastructure enhancements to improve sea level monitoring. *Geological Society of America Annual Meeting & Exposition*. November 4-7, 2012. Charlotte, NC. Conference Proceedings
- Mattioli, Glen S., et al. (2012). COCONet (Continuously Operating Caribbean GPS Observational Network): Network status and project highlights. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). GPS network design for optimal Mogi source parameter estimation. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). Multi-disciplinary natural hazards research ini-

- tative begins across the Caribbean Basin. *EOS, Transactions, American Geophysical Union*, 93(9) doi: 10.1029/2012EO090001 Journal Article
- Mattioli, Glen S., et al. (2012). Real-time GPS networks on active convergent margins: Updates From Cascadia and elsewhere. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). Remote borehole strainmeter sites: Power system optimization improves data quality and increases equipment uptime. *American Geophysical Union Fall Meeting*. December 7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). Quantifying the quality of PBO borehole strainmeter data. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). UNAVCO enhanced data products for the EarthScope Plate Boundary Observatory, COCONet, and other regional networks. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (2012). UNAVCO geodetic high-rate and real-time products and services: A next generation geodetic network. *American Geophysical Union Fall Meeting*. December 3-7, 2012. San Francisco, CA. Conference Proceedings
- Mattioli, Glen S., et al. (In Press). In Wadge G. (Ed.), *Geodetic imaging of magma migration at Soufrière Hills Volcano 1995-2008, The eruption of Soufrière Hills Volcano, 15 years on* Book
- Mattioli, Glen S., et al. (In Press). In Wadge G. (Ed.), *Volcano geodesy at Soufrière Hills Volcano: a review, The eruption of Soufrière Hills Volcano, 15 years on (a Geological Society of London Memoir)* Book
- Nestell, Merlynd K.**, et al. (2012). A diverse Roadian (Guadalupian, Middle Permian) fish assemblage from the Cutoff Formation, Guadalupe Mountains, West Texas, *Abstracts with programs. Geological Society of America, South-Central Section Annual Meeting*. March 8-9, 2012. Alpine, TX., 44 6-6. Conference Proceedings
- Nestell, Merlynd K., et al. (2012). Guadalupian (Middle Permian) radiolaria of the Delaware basin, North America: overview. *Interrad: International Conference on Fossil and Recent Radiolarians*. March 25-29, 2012. Cadiz, Spain., 28 174-176. Conference Proceedings
- Nestell, Merlynd K., et al. (2012). Late Wordian and Capitanian (Guadalupian, Middle Permian) radiolaria from the Apache Mountains, West Texas. *Geological Society of America, South-Central Section Annual Meeting*. March 8-9, 2012. Alpine, TX., 44 6-6. Conference Proceedings
- Nestell, Merlynd K., et al. (2012). Magnetostratigraphy susceptibility for the Guadalupian series GSSPs (Middle Permian) in Guadalupe Mountains National Park and adjacent areas in West Texas. *Geological Society, London, Special Publications*, 273, 1-21. Journal Article
- Nestell, Merlynd K., et al. Microfaunal assemblages of the Placid Shale (Missourian, Upper Pennsylvanian) Brazos River Valley, North-Central Texas. *American Association of Petroleum Geology. Southwest Section meeting*, Fort Worth, TX. 9. Conference Proceedings
- Nestell, Merlynd K., et al. (2012). Middle Pennsylvanian (Desmoinesian) radiolaria from the midcontinent of North America. *Micropaleontology*, 58(3), 217-257. Journal Article
- Nestell, Merlynd K., et al. (2012). New jalodontid chondrichthyans from the Middle Permian of West Texas, USA. *Historical Biology*, 24, 359-368. Journal Article
- Winguth, Arnie M.E.**, et al. (2012). Global decline in ocean ventilation, oxygenation and productivity during the Paleocene-Eocene Thermal Maximum: Implications for the benthic extinction. *Geology*, 40, 263-266. Journal Article
- Winguth, Arnie M.E., et al. (Accepted). Sensitivity of late Permian climate to topographic changes and implications for the mass extinction. *Global and Planetary Change*, doi: 10.1016/j.gloplacha.2012.01.011 Journal Article
- Winguth, Arnie M.E., et al. (2012). Simulating Permian-Triassic oceanic anoxia distribution: Implications for species extinction and recovery. *Geology*, 40, 127-130. Journal Article

COLLEGE OF SCIENCE

Mathematics - Dr. Jianzhong Su, Chair

- Ambartsoumian, Gaik**, et al. (2012). Approximate inversion algorithm of the elliptical Radon transform. *International Symposium on Mechatronics and its Applications*. April 10-12. Sharjah, UAE. 1-4. doi: 10.1109/ISMA.2012.6215190 Conference Proceedings
- Ambartsoumian, Gaik. (2012). Inversion of the V-line Radon transform in a disc and its applications in imaging. *Computers and Mathematics with Applications*, 64(3), 260-265. doi: 10.1016/j.camwa.2012.01.059 Journal Article
- Chen-Charpentier, Benito**, et al. (2012). Discrete and continuous approaches to modeling cell movement in the presence of a foreign stimulus. *Computers and Mathematics with Applications*, 64, 167-174. doi: 10.1016/j.camwa.2011.11.058 Journal Article
- Chen-Charpentier, Benito, et al. (2012). A random differential transform method: Theory and applications. *Applied Mathematics Letters*, 25, 1490-1494. Journal Article
- Chen-Charpentier, Benito, et al. (2012). Uncertainty quantification in simulations of epidemics using polynomial chaos. *Computational and Mathematical Methods in Medicine*, 2012, Article ID 742086 (8 pages) doi: 10.1155/2012/742086 Journal Article
- Cordero-Epperson, Minerva**. (2012). Mathematical Association of America Distinguished Service Certificate Award
- Dragan, Irinel**. (2012). On the inverse problem for multiweighted Shapley values for cooperative TU games. *International Journal of Pure and Applied Mathematics*, 75(3), 279-287. Journal Article
- Jorgensen, David**, et al. (2012). Are complete intersections complete intersections? *Journal of Algebra*, 371, 276-299. Journal Article
- Jorgensen, David, et al. (2012). Brauer-Thrall for totally reflexive modules. *Journal of Algebra*, 350, 340-373. Journal Article
- Jorgensen, David, et al. (2012). Presentations of rings with non-trivial self-orthogonal modules. *Collectanea Mathematica*, 63, 165-180. Journal Article
- Jorgensen, Theresa**, et al. (2012). Limits of infinite processes for liberal arts majors: Two classic examples. *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, 22(6), 482-499. Journal Article
- Kojouharov, Hristo V.**, et al. (2012). Constructing one-dimensional continuous models from two-dimensional discrete models of medical implants. *Biomath*, 1(1), 1-6. Journal Article
- Kojouharov, Hristo V. (2012). *Death of the bees: A mathematical model of colony collapse disorder*. (Technical report 2012-12.). Report
- Kojouharov, Hristo V., et al. (2012). Discrete and continuous approaches to modeling cell movement in the presence of a foreign stimulus. *Computers and Mathematics with Applications*, 64(3), 167-174. Journal Article
- Kojouharov, Hristo V., et al. (2012). *Quorum sensing interaction and the effect of antibiotic on the dynamics of two strains of the same bacterial species*. (Technical report 2012-13.). Report
- Korzeniowski, Andrzej**, et al. (2012). Large deviations via almost sure CLT for functionals of Markov processes. *Stochastic Analysis and Applications*, 30, 933-947. Journal Article
- Kribs-Zaleta, Christopher M.** (2012). Invented strategies for division of fractions. *Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. November 9 -12, 2006. Merida, Mexico., 2 371-376. Conference Proceedings
- Kribs-Zaleta, Christopher M., et al. (2012). The role of adaptations in two-strain competition for sylvatic Trypanosoma cruzi transmission. *Journal of Biological Dynamics*, 6(2), 813-835. Journal Article
- Kribs-Zaleta, Christopher M., et al. (2012). The role of the ratio of vector and host densities in the evolution of transmission modes in vector-borne diseases. The example of sylvatic Trypanosoma cruzi. *Journal of Theoretical Biology*, 312, 133-142. Journal Article

- Li, Ren-Cang, et al. (2012). Accurate solutions of M-matrix algebraic Riccati equations. *Numerische Mathematik*, 120(4), 671-700. Journal Article
- Li, Ren-Cang, et al. (2012). Accurate solutions of M-matrix Sylvester equations. *Numerische Mathematik*, 120(4), 639-670. Journal Article
- Li, Ren-Cang, et al. (2012). Alternating-directional doubling algorithm for M-matrix algebraic Riccati equations. *SIAM Journal on Matrix Analysis and Applications*, 33(1), 170-194. Journal Article
- Li, Ren-Cang, et al. (2012). A block variational procedure for the iterative diagonalization of non-Hermitian random-phase approximation matrices. *The Journal of Chemical Physics*, 136(3), 034111-1-034111-8. doi: 10.1063/1.3677667 Journal Article
- Li, Ren-Cang, et al. (2012). A family of anadromic numerical methods for matrix Riccati differential equations. *Mathematics of Computation*, 81(277), 233-265. Journal Article
- Li, Ren-Cang, et al. (2012). An interpolating family of means. *Communications on Stochastic Analysis*, 6(1), 15-31. Journal Article
- Li, Ren-Cang, et al. (2012). Perturbation of multiple eigenvalues of Hermitian matrices. *Linear Algebra and its Applications*, 437(1), 202-213. doi: 10.1016/j.laa.2012.01.035 Journal Article
- Li, Yan, et al. (2012). Estimating the agreement and diagnostic accuracy of two diagnostic tests when one test is conducted on only a subsample of specimens. *Statistics in Medicine*, 31, 436-438. Journal Article
- Li, Yan, et al. (2012). Piecewise exponential survival times and analysis of case-cohort data. *Statistics in Medicine*, 31, 1361-1368. Journal Article
- Li, Yan, et al. (2012). Prevalence of BPH and lower urinary tract symptoms in West Africans. *Prostate Cancer and Prostatic Diseases*, 15(2), 170-176. Journal Article
- Li, Yan, et al. (Accepted). Regression analysis with block missing values and variables selection. *Pakistan Journal of Statistics and Operation Research*, Journal Article
- Li, Yan, et al. (2012). Trends in sex hormone concentrations in U.S. males: 1988-1991 to 1999-2004. *International Journal of Andrology*, 35(3), 456-466. Journal Article
- Liu, Chaoqun, et al. (2012). Buffered spectral method for Poisson's equation. *Spring World Congress on Engineering and Technology 2012*. May 27-30, 2012. Xian, China. Conference Proceedings
- Liu, Chaoqun, et al. (2012). DNS study of mechanism of small length scale generation in late boundary layer transition. *Physica D: Nonlinear Phenomena*, 241(1), 11-24. Journal Article
- Liu, Chaoqun, et al. (2012). DNS study on physics of late boundary layer transition. *AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition*. Nashville, TN. Conference Proceedings
- Liu, Chaoqun, et al. (2012). DNS study on turbulence generation and sustenance. *International Conference on Computational Fluid Dynamics (ICCFD7)*. July 9-13, 2012. Big Island, HI DNS study on physics of late boundary layer transition. 1-25. Conference Proceedings
- Liu, Chaoqun, et al. (2012). High-order mixed weighted compact and non-compact scheme for shock and small length scale interaction. *International Journal of Computer Mathematics*, 90(2), 376-407. Journal Article
- Liu, Chaoqun, et al. (2012). High-order mixed weighted compact and non-compact scheme for shock/discontinuity and small length scale interaction. *AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition*. January 9-12, 2012. Article number AIAA 2012-0575. doi: 10.2514/6.2012-575 Conference Proceedings
- Liu, Chaoqun, et al. (2012). The interaction between vortex rings and oblique shocks by the MVG controlled ramp flow at M=2.5. *AIAA Aerospace Sciences Meeting including the New Horizon Forum and Aerospace Exposition*. January 9-12, 2012. Nashville, TN. doi: 10.2514/6.2011-861 Conference Proceedings
- Liu, Chaoqun, et al. (2012). LES study on vortex ring-shock interaction behind MVG. *International Conference on Computational Fluid Dynamics (ICCFD7)*. July 9-13, 2012. Big Island, HI. 1-19. Conference Proceedings
- Liu, Chaoqun, et al. (2012). Micro vortex generators in high-speed flow. *Journal of Progress in Aerospace Science*, 53, 30-45. Journal Article

COLLEGE OF SCIENCE

- Liu, Chaoqun, et al. (2012). Modified Fourier spectral method for non-periodic CFD. *AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition*. January 9-12, 2012. Nashville, TN. doi: 10.2514/6.2012-576 Conference Proceedings
- Liu, Chaoqun, et al. (2012). New shock detector and improved control function for shock-boundary layer interaction. *International Journal of Numerical Analysis and Modeling*, 9(2), 276-288. Journal Article
- Liu, Chaoqun, et al. (2012). New theories on boundary layer transition and turbulence formation. *Journal of Modeling and Simulation in Engineering*, 2012, 619419 (22 pages). Journal Article
- Liu, Chaoqun, et al. (2012). New theories on boundary layer transition and turbulence formation. *Modeling and Simulation in Engineering*. doi: 10.1155/2012/619419 Journal, Electronic
- Liu, Chaoqun, et al. (2012). Numerical discovery and experimental confirmation of vortex ring generation by microramp vortex generator. *Journal of Applied Mathematical Modeling*, 36(11), 5700-5708. Journal Article
- Liu, Chaoqun, et al. (2012). Numerical study on mechanism of multiple ring formation. *50th AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition*. January 9-12, 2012. Nashville, TN., AIAA(2012) 0747. doi: 10.2514/6.2012-747 Conference Proceedings
- Liu, Chaoqun, et al. (2012). Numerical study on mechanism of U-shaped vortex formation. *Computers and Fluids*, 55, 36-47. Journal Article
- Liu, Chaoqun, et al. (2012). Numerical study on randomization in late boundary layer transition. *50th AIAA Aerospace Science Meeting including the New Horizons Forum and Aerospace Exposition*. January 9-12, 2012. Nashville, TN. Article number AIAA 2012-0748. doi: 10.2514/6.2012-748 Conference Proceedings
- Liu, Chaoqun, et al. (Accepted). Study on multiple ring-like vortex formation and small vortex generation in late flow transition on a flat plate. *Theoretical and Computational Fluid Dynamics*, Journal Article
- Liu, Yaling**, et al. (201). Local regularity and decay estimates of solitary waves for the rotation-modified Kadomtsev-Petviashvili equation. *Transactions of the American Mathematical Society*, 364, 3395-3425. Journal Article
- Liu, Yue**, et al. (2012). On the blow-up structure for the generalized periodic Camassa-Holm and Degasperis-Procesi equations. *Journal of Functional Analysis*, 262, 3125-3158. Journal Article
- Liu, Yue. (2012). Wave breaking and global existence for the generalized periodic two-component Hunter-Saxton system. *Journal of Differential Equations*, 253(1), 319-355. doi: 10.1016/j.jde.2012.02.011 Journal Article
- Shipman, Barbara**. (2012). A comparative study of definitions on limit and continuity of functions. *Problems, Resources, and Issues in Undergraduate Mathematics Studies (PRIMUS)*, 22(8), 639-663. Journal Article
- Shipman, Barbara. (2012). Determining definitions for comparing cardinalities. *Problems, Resources, and Issues in Undergraduate Mathematics Studies (PRIMUS)*, 22(3), 239-254. Journal Article
- Shipman, Barbara, et al. (2012). Limits of infinite processes for liberal arts majors: Two classic examples. *Problems, Resources, and Issues in Undergraduate Mathematics Studies (PRIMUS)*, 22(6), 482-499. Journal Article
- Shipman, Barbara. (2012). Mathematical versus English meaning in implication and disjunction. *Teaching Mathematics and its Applications*, doi: 10.1093/teamat/hrs015 Journal, Electronic
- Su, Jianzhong**, et al. (2012). Stability analysis of a model for foreign body fibrotic reactions. *Computational and Mathematical Methods in Medicine*, 2012 doi: 10.1155/2012/809864 Journal Article

**Physics –
Dr. Alexander Weiss, Chair**

- Deng, Yue**, et al. (Accepted). Anomalously low geomagnetic energy inputs during 2008 solar minimum. *Journal of Geophysical Research*, doi: 10.1029/2012JA018039 Journal Article
- Deng, Yue, et al. (2012). CMIT study of CR2060 and 2068 comparing L1 and MAS solar wind drivers. *Journal of Atmospheric and Solar-Terrestrial Physics*, 83, 39-50. doi: 10.1016/j.jastp.2012.01.005 Journal Article
- Deng, Yue, et al. (2012). Comparison of joule heating associated with high-speed solar wind between different models and observations. *Journal of Atmospheric and Solar-Terrestrial Physics*, 75-76, 5-14. doi: 10.1016/j.jastp.2011.05.013 Journal Article
- Deng, Yue, et al. (2012). Height distribution of joule heating and its influence on the thermosphere. *Journal of Geophysical Research*, Accepted doi: 10.1029/2012JA017885 Journal Article
- Deng, Yue, et al. (2012). Investigating the viscous interaction and its role in generating the ionospheric potential during the Whole Heliospheric Interval. *Journal of Atmospheric and Solar-Terrestrial Physics*, 83, 70-78. doi: 10.1016/j.jastp.2012.03.016 Journal Article
- Deng, Yue, et al. (2012). The role of dayside merging in generating the Ionospheric potential during the whole heliospheric interval. *Journal of Atmospheric and Solar-Terrestrial Physics*, Journal Article
- Huda, Muhammad N.**, et al. (2012). The delocalized nature of holes in (Ga,N) cluster-doped ZnO. *Journal of Physics: Condensed Matters*, 24(41), 415503. doi: 10.1088/0953-8984/24/41/415503 Journal Article
- Huda, Muhammad N., et al. (2012). Electronic and optical properties of CoX₂O₄ (X = Al, Ga, In) alloys. *Applied Physics Letters*, 100(2), 023901-1-023901-4. doi: 10.1063/1.3676039 Journal Article
- Huda, Muhammad N., et al. (2012). Photocatalytic generation of syngas using combustion-synthesized silver bismuth tungstate. *Chemphyschem*, 13(12), 2945-2955. doi: 10.1002/cphc.201200046 Journal Article
- Huda, Muhammad N., et al. (2012). Possible effects of oxygen in Te-rich Σ3 (112) grain boundaries in CdTe. *Solid State Communications*, 152(18), 1744-1747. doi: 10.1016/j.ssc.2012.05.006 Journal Article
- Huda, Muhammad N., et al. (2012). Strong asymmetrical doping properties of spinel CoAl₂O₄. *Journal of Applied Physics*, 111, 093723 (7 pages). doi: 10.1063/1.4716025 Journal Article
- Huda, Muhammad N., et al. (2012). Theoretical study of SiC nanostructures: Current status and a new theoretical approach. *Journal of Computational and Theoretical Nanoscience*, 9(11), 1881-1905. doi: 10.1166/jctn.2012.2599 Journal Article
- Jin, Mingwu**, et al. (2012). Aberrant default mode network activations in amnesic mild cognitive impairment subjects using resting-state fMRI. *Magnetic Resonance Imaging*, 30(1), 48-61. Journal Article
- Jin, Mingwu, et al. (2012). Extending local canonical correlation analysis to handle general linear contrasts for fMRI data. *International Journal of Biomedical Imaging*, 2012, Article ID 574971 (14 pages). doi: 10.1155/2012/574971 Journal Article
- Jin, Mingwu, et al. (2012). A preliminary study of functional abnormalities in aMCI subjects during different episodic memory tasks. *Magnetic Resonance Imaging*, 30(4), 459-470. doi: 10.1016/j.mri.2011.12.014 Journal Article
- Jin, Mingwu, et al. (2012). A within-subject ERP and fMRI investigation of familiarity and recollection of pictures and their orientations. *Cognitive Neuroscience*, 3(3-4), 174-192. Journal Article
- Lopez, Ramon E.**, et al. (2012). CMIT study of CR2060 and 2068 comparing L1 and MAS solar wind drivers. *Journal of Atmospheric and Solar-Terrestrial Physics*, 83, 39-50. doi: 10.1016/j.jastp.2012.01.005 Journal Article
- Lopez, Ramon E., et al. (2012). Investigation of the viscous potential using an MHD simulation. *Journal of Geophysical Research: Space Physics*, 117(A3) doi: 10.1029/2011JA017022 Journal Article
- Lopez, Ramon E., et al. (2012). The role of dayside merging in generating the ionospheric potential during the Whole Heliospheric Interval. *Journal of Atmospheric and Solar-Terrestrial Physics*, 83, 63-69. doi: 10.1016/j.jastp.2012.03.001 Journal Article

COLLEGE OF SCIENCE

- Lopez, Ramon E., et al. (2012). Simulation of the polar cap potential during periods with northward interplanetary magnetic field. *Journal of Geophysical Research: Space Physics*, 117(A4) doi: 10.1029/2011JA017143 Journal Article
- Musielak, Zdzislaw.** *Advances of Astronomy*, Editorial Board
- Musielak, Zdzislaw, et al. (2012). Chromospheric oscillations in late-type stars - I. nonlinear response to excitation by acoustic wave energy spectra. *Monthly Notices of the Royal Astronomical Society*, 421(1), 159-168. doi: 10.1111/j.1365-2966.2011.20285.x Journal Article
- Musielak, Zdzislaw. *Cosmos Portal*, Editorial Board
- Musielak, Zdzislaw, et al. (2012). Fundamental dynamical equations for spin-or wave functions: I. Levy-Leblond and Schrodinger equations. *Journal of Physics A: Mathematical and Theoretical*, 45, 145205 (14 pages). doi: 10.1088/1751-8121/45/14/145205 Journal Article
- Musielak, Zdzislaw, et al. (2012). Habitability of Earth-type planets and moons in the Kepler-16 system. *Astrophysical Journal*, 750(1), 14 pages. doi: 10.1088/0004-637X/750/1/14 Journal Article
- Musielak, Zdzislaw. *Journal of Modern Physics*, Editorial Board
- Musielak, Zdzislaw, et al. (2012). The stability of the suggested planet in the *nu*; Octantis System. A numerical and statistical study. *Monthly Notices of the Royal Astronomical Society*, 421(4), 2930-2939. doi: 10.1111/j.1365-2966.2012.20568.x Journal Article
- Musielak, Zdzislaw, et al. (2012). Study of resonances for the restricted 3-body problem. *Astronomische Nachrichten*, 333(7), 551-560. doi: 10.1002/asna.201111704 Journal Article
- Park, Sangwook**, et al. (2012). The origin of Kepler's supernova remnant. *The Astrophysical Journal*, 756(1), 6 (12 pages). doi: 10.1088/0004-637X/756/1/6 Journal Article
- Park, Sangwook, et al. (2012). Spitzer imaging and spectral mapping of the oxygen-rich supernova remnant G292.0+1.8. *The Astrophysical Journal*, 750(1), 39 (16 pages). doi: 10.1088/0004-637X/750/1/39 Journal Article
- Park, Sangwook, et al. (2012). An X-ray study of supernova remnant N49 and soft gamma-ray repeater 0526-66 in the Large Magellanic Cloud. *The Astrophysical Journal*, 748(2), 117 (27 pages). doi: 10.1088/0004-637X/748/2/117 Journal Article
- Poudyal, Narayan**, et al. (2012). Advances in nanostructured permanent magnets research. *Journal of Physics D: Applied Physics*, 46(4), Article ID 043001. doi: 10.1088/0022-3727/46/4/043001 Journal Article
- Poudyal, Narayan, et al. (2012). Effect of pressure loading rate on the crystallographic texture of NdFeB nanocrystalline magnets. *Journal of Applied Physics*, 111(7), Article ID 07A717 (3 pages). doi: 10.1063/1.3675173 Journal Article
- Poudyal, Narayan, et al. (2012). Exchange-coupled nanoscale SmCo/NdFeB hybrid magnets. *Journal of Magnetism and Magnetic Materials*, 324(18), 2836-2839. doi: 10.1016/j.jmmm.2012.04.018 Journal Article
- Poudyal, Narayan, et al. (2012). High temperature magnetic properties of SmCo₅/α-Fe(Co) bulk nanocomposite magnets. *Applied Physics Letters*, 101(15), 152401-1-152401-3. doi: 10.1063/1.4758480 Journal Article
- Ray, Asok R.** *Journal of Computational and Theoretical Nanoscience*, Associate Editor
- Ray, Asok R. *Journal of Nanoscience and Nanotechnology*, Associate Editor
- Sharma, Suresh C.**, et al. (2012). Evidence for surface plasmons in a liquid crystal containing gold nanoparticles. *Applied Physics Letters*, 101(25), 253103. Journal Article

Psychology –
Dr. Perry N. Fuchs, Chair

- Fuchs, Perry N.**, et al. (2012). Evaluating underlying neuronal activity associated with escape/avoidance behavior in response to noxious stimulation in adult rats. *Brain Research*, 1422, 56-61. doi: 10.1016/j.brainres.2011.11.01 Journal Article
- Fuchs, Perry N., et al. (2012). Pain affect in the absence of pain sensation: Evidence of asomesthesia after somatosensory cortex lesions in the rat. *Pain*, 153(4), 885-892. doi: 10.1016/j.pain.2012.01.018 Journal Article
- Fuchs, Perry N., et al. (2012). The place escape/avoidance paradigm: A novel method to assess nociceptive processing. *Journal of Integrative Neuroscience*, 11(1), 61-72. Journal Article
- Gagne, Jeffrey R.** *Frontiers in Personality Science and Individual Differences*, Review Editor
- Gatchel, Robert J.**, et al. (2012). Biopsychosocial approaches to understanding chronic pain and disability. In R. J. Moore (Ed.), *Handbook of pain and palliative care*. (pp. 1-16) Book Chapter
- Gatchel, Robert J., et al. (2012). Biopsychosocial factors associated with the subcategories of acute temporomandibular joint disorders. *Journal of Orofacial Pain*, 26(1), 7-16. Journal Article
- Gatchel, Robert J. *Clinical Journal of Pain*, Editorial Board
- Gatchel, Robert J. *Community Dentistry and Oral Epidemiology*, Editorial Board
- Gatchel, Robert J., et al. (2012). The comorbidity of chronic pain and mental health disorders: How to manage both. *Practical Pain Management*, 12(2), 60-80. Journal Article
- Gatchel, Robert J., et al. (2012). A comprehensive review of telehealth for pain management: Where we are and the way ahead. *Pain Practice*, 12(7), 570-578. doi: 10.1111/j.1533-2500.2012.00534.x Journal Article
- Gatchel, Robert J., et al. (2012). The development and psychometric validation of the central sensitization inventory. *Pain Practice*, 12(4), 276-285. doi: 10.1111/j.1533-2500.2011.00493.x Journal Article
- Gatchel, Robert J.. (2012). Editorial: New beginnings and the Institute of Medicine's report on *Living well with chronic illness: A call for public health action*. *Journal of Applied Biobehavioral Research*, 17(1), 1-3. doi: 10.1111/j.1751-9861.2012.00078.x Journal Article
- Gatchel, Robert J., et al. (2012). Fibromyalgia: An overview of etiology and non-pharmaceutical treatment options. *Practical Pain Management*, 12(5), 21-26. Journal Article
- Gatchel, Robert J., et al. (2012). Identification and management of pain medication abuse and misuse: Current state and future directions. *Expert Review of Neurotherapeutics*, 12(5), 601-610. Journal Article
- Gatchel, Robert J., et al. (2012). Interdisciplinary functional restoration and pain programs. In T. Deer, & Ray. T. (Eds.), *Comprehensive treatment of chronic pain by medical, interventional and behavioral approaches*. (Chapter 82) Book Chapter
- Gatchel, Robert J. *Journal of Applied Biobehavioral Research*, Editor-in-Chief
- Gatchel, Robert J. *Journal of Applied Social Psychology*, Editorial Board
- Gatchel, Robert J. *Journal of Occupational Rehabilitation*, Editorial Board
- Gatchel, Robert J. *Journal of Pain Research*, Honorary Editorial Board
- Gatchel, Robert J., et al. (2013). Neuromuscular diseases. In M. Gellman, & J. R. Turner (Eds.), *Encyclopedia of behavioral medicine*. Book Chapter
- Gatchel, Robert J. *Pain Practice*, Associate Editor
- Gatchel, Robert J. *Practical Pain Management*, Editorial Board
- Gatchel, Robert J., et al. Psychosocial considerations in spinal disorders. In R. Rao, & M. Smuck (Eds.), *Orthopaedic knowledge update: Spine 4*. (pp. 163-168) Book Chapter
- Gatchel, Robert J. *Psychological Injury and Law*, Editorial Head for Pain Section.
- Gatchel, Robert J. *Spine*, Associate Editorial Board
- Gatchel, Robert J. *Spine Journal*, Associate Editorial Board

COLLEGE OF SCIENCE

- Gatchel, Robert J., et al. (2012). Use of minimal clinically important difference (MCID) for evaluating treatment outcomes with TMJMD patients: A preliminary study. *Journal of Applied Biobehavioral Research*, 16(3-4), 148-166. doi: 10.1111/j.1751-9861.2011.00068.x Journal Article
- Gatchel, Robert J., et al. (2012). What does/should the minimum clinically important difference measure? A re-consideration of its clinical value in evaluations efficacy of lumbar fusion surgery. *The Clinical Journal of Pain*, 28(5), 387-397. doi: 10.1097/AJP.0b013e3182327f20 Journal Article
- Ickes, William, et al. (2012). F#!%ing rudeness: Predicting the propensity to verbally abuse strangers. *Journal of Language and Social Psychology*, 31(1), 75-94. doi: 10.1177/0261927X11425036 Journal Article
- Ickes, William, et al. (2012). How is family support related to students' GPA scores?: A longitudinal study. *Higher Education*, 64(3), 399-420. doi: 10.1007/s10734-011-9501-4 Journal Article
- Ickes, William, et al. (2012). Linking identity status to strength of sense of self: Theory and validation. *Self and Identity*, 11(4), 533-544. doi: 10.1080/15298868.2011.625646 Journal Article
- Jensen-Campbell, Lauri A., et al. (2012). Not simply "in their heads". Individual differences associated with victimization and health. *Journal of Applied Social Psychology*, 42(7), 1625-1650. doi: 10.1111/j.1559-1816.2012.00898.x Journal Article
- Levine, Daniel S. *Cognitive Systems Research*, Action Editor and Editorial Board
Levine, Daniel S. *Neural Networks*, Action Editor and Editorial Board
- Liegey-Dougall, Angela J., et al. (2012). Cognitive and psychological reactions of the general population three months after the 2011 Tohoku earthquake and tsunami. *PLoS One*, 7(2), Article ID e31014 (10 pages). doi: 10.1371/journal.pone.0031014 Journal Article
- Lin, Qing. *Neuroscience and Pain Medicine*, *American Journal of Integrative Medicine*, Associate Editor
Lin, Qing. *Open Pain Journal*, Editorial Advisory Board
- Mellgren, Robert L. *International Journal of Comparative Psychology*, Editorial Advisory Board
- Mora, Pablo A., et al. (2012). Heterogeneity in depression symptoms and health status among older adults. *Journal of Aging and Health*, 24(5), 879-896. doi: 10.1177/0898264312440323 Journal Article
- Mora, Pablo A., et al. (2012). Me at my worst: Exploring the relationship between the undesired self, health, and mood among older adults. *Journal of Applied Social Psychology*, 42(8), 2041-2063. Journal Article
- Mora, Pablo A., et al. (Accepted). Measurement invariance of the SF-12 across European-American, Latina, and African American postpartum women. *Quality of Life Research*, doi: 10.1007/s11136-012-0232-5 Journal Article
- Park, Heekyeong, et al. (2012). Deep brain stimulation of entorhinal cortex enhances spatial memory in rats. *Society for Neuroscience Annual Meeting*. October 13-17, 2012. New Orleans, LA. Conference Proceedings
- Park, Heekyeong, et al. (2012). The effects of perceptual distinctiveness on recognition of words and numbers. *Association for Psychological Society Annual Convention*. May 24-27, 2012. Chicago, IL. Conference Proceedings
- Park, Heekyeong, et al. (2012). Neural activity supporting encoding of item-context associations. *Cognitive Neuroscience Society Annual Meeting*. March 31-April 3, 2012. Chicago, IL. Conference Proceedings
- Park, Heekyeong, et al. (2012). Neural activity supporting the formation of associative memory versus source memory. *Brain Research*, 1471, 81-92. Journal Article
- Park, Heekyeong, et al. (2012). Source memory is supported by unitized encoding in both material-general and material-specific manners. *Society for Neuroscience Annual Meeting*. October 13-17, 2012. New Orleans, LA. Conference Proceedings
- Paulus, Paul B., et al. (2012). Brainstorming in virtual teams. In Carlos Nunes Silva (Ed.), *Online research methods in urban and planning studies: Design and outcomes*. (pp. 138-156) Book Chapter
Paulus, Paul B. *Small Group Research*, Editorial Board
- Peng, Yuan Bo, et al. (2012). Cerebrovascular responses of the rat brain to noxious stimuli as examined by functional near infrared whole brain imaging. *Journal of Neurophysiology*, 107, 2853-2865. Journal Article
- Peng, Yuan Bo, et al. (2012). A closed loop feedback system for automatic

School of Social Work - Dr. Scott D. Ryan, Dean

detection and inhibition of mechano-nociceptive neural activity. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 20(4), 478-487. Journal Article

Peng, Yuan Bo, et al. (2012). Deep brain stimulation of entorhinal cortex enhances spatial memory in rats. *Society for Neuroscience Annual Meeting Conference Proceedings*

Peng, Yuan Bo, et al. (2012). A digital wireless system for closed-loop inhibition of nociceptive signals. *Journal of Neural Engineering*, 9(5), 056010. Journal Article

Peng, Yuan Bo, et al. (2012). Effect of primary somatosensory cortex stimulation on mechanical and thermal thresholds in freely moving rats. *Society for Neuroscience Annual Meeting*. October 14-17, 2012. Conference Proceedings

Peng, Yuan Bo, et al. (2012). An integrated flexible implantable micro-probe for sensing neurotransmitters. *IEEE Sensors Journal*, 12(5), 1618-1624. Journal Article

Peng, Yuan Bo, et al. (2012). Reduced GABAA receptor alpha6 expression in the trigeminal ganglion alters inflammatory TMJ hypersensitivity. *Neuroscience*, 213, 179-190. Journal Article

Peng, Yuan Bo, et al. (2012). Stimulation of the ventral tegmental area inhibits spinal cord dorsal horn neuronal activity. *Society for Neuroscience Annual Meeting*. October 14-17, 2012. New Orleans, LA. Conference Proceedings

Peng, Yuan Bo, et al. (2012). Stimulation of ventral tegmental area increases mechanical pain threshold and thermal pain latency in rats. *Society for Neuroscience Annual Meeting*. October 14-17, 2012. New Orleans, LA. Conference Proceedings

Perrotti, Linda I. (2012). Assessing learned associations between conditioned cocaine reward and environmental stimuli in the Wistar Kyoto rat. *Pharmacology, Biochemistry, and Behavior*, 103, 76-82. Journal Article

Scielzo, Shannon A., et al. (2012). Mentor and protégé goal orientations as predictors of newcomer stress. *Journal of the Scholarship of Teaching and Learning*, 12(1), 59-73. Journal Article

Aguirre, Regina T.P., et al. (2012). Increasing marital satisfaction as a resilience factor among active duty members and veterans of Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF). *Journal of Family Social Work*, 15(1), 3-18. Journal Article

Aguirre, Regina T.P., et al. (2012). Internet-based spousal communication during deployment: Does it increase post-deployment marital satisfaction? *Advances in Social Work (Special Military Issue)*, 13(1), 216-228. Journal Article

Aguirre, Regina T.P., et al. (2012). Reproductive attitudes and behaviors in people with Sickle Cell Disorders: A qualitative interpretive meta-synthesis. *Health and Social Work*, 51(9), 757-779. Journal Article

Aguirre, Regina T.P., et al. (2012). War-related trauma: Increasing the American GI's resilience through marriage. *Advances in Social Work (Special Military Issue)*, 13(1), 203-215. Journal Article

Basham, Randall, et al. (2012). Healthy aging: Optimizing the mind body connection and social support systems through advances in technology. *The National Social Science Technology Journal*, 2(1), 1-8. Journal Article

Basham, Randall, et al. (2012). Inadequate health literacy among elderly immigrants: Characteristics; contributing and service utilization factors. *Journal of Human Behavior in the Social Environment*, 22(7), 875-895. Journal Article

Basham, Randall, et al. (2012). Using technology to infuse and evaluate geroger educational curriculum content. *National Technology and Social Science Conference*. Las Vegas, NV. 49(1) 21-30. Conference Proceedings

Black, Beverly M., et al. (2012). Batterers' intervention: How group leaders assess the risk levels of participants. *Journal of Offender Rehabilitation*, 51, 414-433. Journal Article

Black, Beverly M. *Journal of Social Work Education*, Editorial Board

SCHOOL OF SOCIAL WORK

- Black, Beverly M., et al. (2012). Love is not abuse (LINA) iPhone application review. *Journal of Technology in Human Services*, 30(1), 49-56. doi: 10.1080/15228835.2012.667675 Journal Article
- Blakey, Joan M.** (2012). The best of both worlds: How kinship care impacts reunification. *Families in Society*, 93(2), 103-110. Journal Article
- Blakey, Joan M. (2012). From surviving to thriving: Understanding reunification among African American mothers with histories of addiction. *Children and Youth Services Review*, 34, 91-102. Journal Article
- Blakey, Joan M., et al. (2012). A review of how states are addressing placement stability. *Children and Youth Services Review*, 34(2), 369-378. doi: 10.1016/j.childyouth.2011.11.007 Journal Article
- Boyas, Javier**, et al. (2012). Correlates of depression among Chinese immigrant elders in Arizona: The role of acculturative stress and social support. *Human Behavior in the Social Environment*, 22(3), 334-350. Journal Article
- Boyas, Javier, et al. (2012). Exploring the relationship between employment-based social capital, job stress, burnout, and intent to leave among child protection workers: An age-based path analysis model. *Children and Youth Services Review*, 34(1), 50-62. doi: 10.1016/j.childyouth.2011.08.033 Journal Article
- Boyas, Javier, et al. (2012). Implementing and evaluating a rural community-based sexual abstinence program: Challenges and solutions. *Sex Education: Sexuality, Society and Learning*, 12(1), 47-63. doi: 10.1080/14681811.2011.601158 Journal Article
- Bricout, John C.**, et al. (2012). Deploying information and communication technologies (ICT) to enhance participation in local governance for citizens with disabilities. In S. Chhabra (Ed.), *ICTs for advancing rural communities and human development: Addressing the digital divide* (pp. 91-108) Book Chapter
- Bricout, John C. *Families in Society (Alliance for Families and Children)*, Consulting Editor
- Bricout, John C. *International Journal of E-Planning Research*, Editorial Board
- Bricout, John C., et al. (2012). On the relationship between autonomy, performance, and satisfaction: Lessons from a three-week user study with post-SCI patients using a Smart 6DOF assistive robotic manipulator. *IEEE Transactions on Systems Man Cybernetics, Part A: Aerospace Engineering*, 42(4), 2-14. Journal Article
- Cobb, Norman H.**, et al. (2012). Ethical issues in the use of putative father registries in infant adoption: Implications for administrators and practitioners. *Adoption Quarterly*, 15(3), 206-219. doi: 10.1080/10926755.2012.699912 Journal Article
- Elliott, Doreen**, et al. (2012). Immigrants and refugees. In M. Gray, J. Midgley & S. A. Web (Eds.), *Handbook of social work*. (pp. 564-578) Book Chapter
- Elliott, Doreen, et al. (2012). International social work practice. In C. N. Dulmus, & K. M. Sowers (Eds.), *Social work fields of practice*. (pp. 291-332) Book Chapter
- Elliott, Doreen, et al. (2012). Refugee laws, policies, and services: An overview. In Doreen Elliott, & U. A. Segal (Eds.), *Refugees worldwide: law, policy and economics. Volume IV*. (pp. 1-22) Book Chapter
- Elliott, Doreen, et al. (2012). Refugees: Global health issues. In Doreen Elliott, & U. A. Segal (Eds.), *Refugees worldwide: Refugee health. Volume II* (pp. 1-14) Book Chapter
- Elliott, Doreen, et al. (2012). Refugees: Global mental health issues. In Doreen Elliott, & U. A. Segal (Eds.), *Refugees worldwide: Mental health. Volume III* (pp. 1-14) Book Chapter
- Elliott, Doreen, et al. (Eds.). (2012). *Refugees worldwide (Volumes 1-4)* Book Editor
- Elliott, Doreen, et al. (2012). Refugees worldwide: Issues of concern and the future. In Doreen Elliott, & U. A. Segal (Eds.), *Refugees worldwide: Law, policy and economics. Volume IV* (pp. 273-284) Book Chapter
- Granvold, Donald.** *Social Work*, Editorial Board

SCHOOL OF SOCIAL WORK

- Hegar, Rebecca L.** (2012). Children at risk in inter-country adoptions: Comparative perspectives from policy and research. *Joint World Conference of Social Work and Social Development*. July 8-12, 2012. Stockholm, Sweden. Conference Proceedings
- Hegar, Rebecca L., et al. (2012). Journal editors' forum on scholarship to advance practice and shape public policy (Invited workshop). *Society for Social Work and Research Annual Conference*. January 13-16, 2012. Washington, D. C. Conference Proceedings
- Hegar, Rebecca L., (2012). Paulo Freire: Neglected mentor for social work. *Journal of Progressive Human Services*, 23(2), 159-177. doi: 10.1080/10428232.2012.666726 Journal Article
- Hoefler, Richard.** *Journal of Policy Practice*, Editor
- Jordan, Cathleen.** *Children and Schools*, Consulting Editor
- Jordan, Cathleen, et al. (Eds.) *Introduction to family social work* (2013). (4th ed.) Book
- Jordan, Cathleen. *Journal of Social work Education*, Consulting Editor
- Lehmann, Peter J.** *Journal of Trauma, Aggression, and Maltreatment*, Editorial Board
- Lehmann, Peter J. *Partner Abuse*, Editorial Board
- Lehmann, Peter J., et al. (2012). *Tools for strengths-based assessment and intervention* Book
- Madden, Elissa E.** *Adoption Quarterly*, Assistant Editor
- Madden, Elissa E., et al. (2012). Family reunification of youth in foster care with complex mental health needs: Barriers and recommendations. *Child and Adolescent Social Work Journal*, 29(3), 221-240. Journal Article
- Madden, Elissa E., et al. (2012). Openness and post adoption birth family contact: A comparison of non-relative foster and private adoptions. *Adoption Quarterly*, 15(1), 35-56. Journal Article
- Mindschke, Diane,** et al. (2012). Social support and coping in families facing prostate cancer. *Journal of Social Service Research*, 38(3), 413-426. Journal Article
- Moon, Sung Seek,** et al. (2012). Decision tree models for characterizing smoking patterns of older adults. *Expert Systems with Applications*, 39(1), 445-451. Journal Article
- Moon, Sung Seek. *Family Violence & Ethnic Populations*, Editorial Board
- Moon, Sung Seek, et al. (2012). Inadequate health literacy among elderly immigrants: Characteristics, contributing and service utilization factors. *Journal of Human Behavior in the Social Environment*, 22(7), 875-895. Journal Article
- Moon, Sung Seek. *Journal of Ethnic & Cultural Diversity in Social Work*, Editorial Board
- Pillai, Vijayan.** *African and Asian Studies*, Editorial Board
- Pillai, Vijayan, et al. (2012). The effects of participation and resources on democratic attitudes: Role of social capital in four Latin and South American countries. *Journal of Social Service Research*, 38(3), 330-341. Journal Article
- Pillai, Vijayan. *International Journal of Sustainable Society*, Associate Editor
- Pillai, Vijayan, et al. (2012). Latent class analysis of reproductive decision making in Zambia. *African and Asian Studies*, 11(3), 371-383. Journal Article
- Pillai, Vijayan. *Open Access Journal of Contraception*, Honorary Editorial Board
- Pillai, Vijayan, et al. (2012). Relationship quality and eldercare giver burden in India. *Journal of Social Intervention*, 21(2), 39-62. Journal Article
- Pillai, Vijayan, et al. (2012). Reproductive rights, gender equality and reproductive health in developing countries. *Social Work Footprints*, 11(9), 39-42. Journal Article
- Pillai, Vijayan. *Social Development Issues*, sponsored by the International Consortium on Social Development, Editor

SCHOOL OF SOCIAL WORK

Pillai, Vijayan. *Social Science Journal*, Associate Editor

Pillai, Vijayan, et al. (2012). Spatial divisions and fertility in India. *International Journal of Population Research*, 1(2), Article ID: 235747 (6 pages). doi:10.1155/2012/235747 Journal Article

Pillai, Vijayan, et al. (2012). Tuberculosis and utilization of health care services by the Lepchas of Sikkim. *Journal of Comparative Social Welfare*, 28(1), 49-56. Journal Article

Pillai, Vijayan, et al. (2012). The validation of the Checklist of Controlling Behaviors (CCB): Assessing coercive control in abusive relationships. *Violence Against Women*, 18(8), 913-933. Journal Article

Ryan, Scott D. *Adoption Quarterly*, Editor-in-Chief

Ryan Scott D. (2012). American Council of Education Fellow, 2012-2013 Award

Ryan, Scott D. *Children and Adolescent Social Work Journal*, Consulting Editor

Ryan, Scott D. *Journal of GLBT Family Studies*, Editorial Board

Sanchez, Katherine, et al. (2012). *Eliminating disparities through the integration of behavioral health and primary care services for racial and ethnic minority populations, to include individuals with limited English proficiency: A review of the literature*. Report

Sanchez, Katherine, et al. (2012). *Enhancing the delivery of health care: Eliminating health disparities through a culturally linguistically centered integrated health care approach: Consensus statements and recommendations*. Report

Small, Eusibius, et al. (2012). American caregivers and substance abuse in child welfare: Identification of multiple risk profiles. *Journal of Family Violence*, 27(5), 415-426. Journal Article

Small, Eusibius, et al. (2012). Profiles of Malawian adolescents at risk for HIV infections: Implications for targeted prevention, policy, and practices. *AIDS Care*, 25(3), 289-295. doi: 10.1080/09540121.2012.701720 Journal Article

Small, Eusibius, et al. (2012). Serostatus disclosure among adults with HIV in the era of HIV therapy. *AIDS Patient Care and STDs*, 26(1), 29-35. doi: 10.1089/apc.2011.0183 Journal Article

Smith-Osborne, Alexa. *Social Work*, Consulting Editor

Watson, Larry, et al. (2012). Ethical issues in the use of putative father registries in infant adoption: Implications for administrators and practitioners. *Adoption Quarterly*, 15(3), 206-219. doi: 10.1080/10926755.2012.699912 Journal Article

Watson, Larry. (2012). The relationship between contract providers and a state funding agency. *Administration in Social Work*, 36(4), 345-354. doi: 10.1080/03643107.2011.575919 Journal Article

Watts, Thomas D. (2012). Contributions to Transcendental Thomism. *Scholars for Social Justice E-Mail Conference*. Conference Proceedings

Watts, Thomas D. (2012). The Democratic Party as child of the Enlightenment. *Scholars for Social Justice E-Mail Conference*. Conference Proceedings

Watts, Thomas D., et al. (2012). Religious liberty in North Korea: Past and present. *Social Development Issues*, 34(2), 28-36. Journal Article

Watts, Thomas D., et al. (2012). Social welfare in North Korea: Ethical and ideological conflicts and dilemmas. *Journal of Comparative Social Welfare*, 28(1), 17-22. doi: 10.1080/17486831.2011.595079 Journal Article

School of Urban and Public Affairs - Dr. Barbara Becker, Dean

Anjomani, Ardeshir (Ard). *Armanshahr: Journal of Architecture, Urban Design and Urban Planning*, Associate Editor

Anjomani, Ardeshir (Ard). *International Journal of Society Systems Science*, Associate Editor

Anjomani, Ardeshir (Ard). *International Journal of Sustainable Society*, Editorial Board

Anjomani, Ardeshir (Ard). *Journal of Architectural and Planning Research*, Associate Editor

Arvidson, Enid. *Review of Radical Political Economics*, Editorial Board

Audirac, Ivonne, et al. (2012). Declining suburbs in Europe and Latin America. *International Journal of Urban and Regional Research*, 36(2), 226-244. Journal Article

Audirac, Ivonne, et al. (2012). Shrinking cities: Urban challenges of globalization. *International Journal of Urban and Regional Research*, 36(2), 213-225. Journal Article

Barrett, Edith J., et al. (2012). The tempering effect of schools on students experiencing a life-changing event: Teenagers and the Hurricane Katrina evacuation. *Urban Education*, 47(1), 7-31. Journal Article

Casey, Colleen. (2012). Low-wealth, minority enterprises and access to financial resources for startup activities: Do connections matter? *Economic Development Quarterly*, 26(3), 252-266. Journal Article

Casey, Colleen, et al. (2012). Web 2.0 technologies and authentic public participation: Engaging citizens in decision making processes. In Kathryn Kloby, & Maria J. D'Agostino (Eds.), *Citizen 2.0 public and governmental interactions through Web 2.0 technologies*. (pp. 197-223) Book Chapter

Cole, Richard L. (Accepted). Attachments to multiple communities and public ambivalence toward immigration in the United States. *Canadian Issues*, Journal Article

Cole, Richard L., et al. (2012). Citizen attitudes and federal political culture

in Canada, Mexico, and the United States. *The Federal idea: essays in honour of Ronald L. Watts*. (pp. 225-246) Book Chapter

Cole, Richard L. *Publius: The Journal of Federalism*, Book Review Editor

Connor, Michan A. (2012). Metropolitan border war: Place, scale, and boundary politics in the San Fernando Valley. *American Historical Association Annual Meeting*. January 5-8, 2012. Chicago, IL. Conference Proceedings

Connor, Michan A. (2012). The metropolitan problem in interdisciplinary perspective. In A. F. Repko, W. H. Newell & R. Szostak (Eds.), *Case studies in interdisciplinary research*. (pp. 53-90) Book Chapter

Coursey, David. *Public Administration Review*, Online Editor

Coursey, David. *Public Performance and Management Review*, Editorial Board

Coursey, David. *Public Personnel Administration*, Associate Editor

Coursey, David. *Public Personnel Management*, Editorial Board

Dena, Mercy K. (2012). Lethargic policymaking: The case of gender quota legislation in Kenya. *African Social Science Review*, 5(1) Journal Article

Grodach, Carl, et al. (2012). *Politics of urban cultural policy: Global perspectives* (2012). Book Editor

Hissong, Rod, et al. (2012). Protesting residential property appraisal: Process and outcomes. *Social Science Quarterly*, 93(1), 191-210. doi: 10.1111/j.1540-6237.2011.00838.x Journal Article

Li, Jianling, et al. (2012). Web 2.0 technologies and authentic public participation: Engaging citizens in decision making processes. In Kathryn Kloby, & Maria J. D'Agostino (Eds.), *Citizen 2.0: Public and governmental interaction through Web 2.0 technologies* (pp. 197-223) Book Chapter

Martinez-Cosio, Maria, et al. (2012). Private foundations and community development: Differing approaches to community empowerment. *Community Development Journal*, 43(4), 416-429. Journal Article

Rodriguez, Alejandro, et al. (Advance Online). Cultural differences: A cross-cultural study of urban planners from Japan, Mexico, the U.S., Serbia-Montenegro, Russia, and South Korea. *Public Organization Review*, doi: 10.1007/s11115-012-0204-9 Journal Article

UT ARLINGTON LIBRARY

Rodriguez, Alejandro, et al. (2012). Urban governance reform index: An alignment of contemporary reform and public choice Propositions. *Public Organization Review*, 1-15. Journal Article

Welch, James, (2012). Sustainability and social development: An integrative examination. *Social Development Issues*, 34(1), 56-76. Journal Article

Whittemore, Andrew H., et al. (2012). *American urban form: A representative history* Book

Whittemore, Andrew H. (2012). One hundred years of land use regulation in Los Angeles. In David Sloane (Ed.), *Planning Los Angeles*. (pp. 107-121) Book Chapter

Whittemore, Andrew H. (2012). Requiem for a growth machine: Homeowner preeminence in 1980s Los Angeles. *Journal of Planning History*, 11(2), 124-140. Journal Article

Whittemore, Andrew H. (2012). Zoning Los Angeles: A brief history of four regimes. *Planning Perspectives*, 27(3), 393-415. Journal Article

Library – Ms. Rebecca Bichel, Dean

Bailey, Jody E. (2012). Informal screencasting: Results of a customer-satisfaction survey with a convenience sample. *New Library World*, 113(1/2), 7-26. Journal Article

Brock, Ruthie, et al. (2012). Core collection of business periodicals. In Eric Forte, & Michael R. Oppenheimer (Eds.), *The basic business library: Core resources and services*. (Fifth ed., pp. 33-60) Book Chapter

Byrne, Carol, et al. (2012). Core collection of business periodicals. In Eric Forte, & Michael R. Oppenheimer (Eds.), *The basic business library: Core resources and services*. (Fifth ed., pp. 33-60) Book Chapter

Hough, Helen, et al. (2012). Copyright and the perioperative nurse. *Perioperative Nursing Clinics*, 7(2), 201-210. doi: 10.1016/j.cpen.2012.02.008 Journal Article

Hough, Helen. (2012). Cyber diving: Information searching. *Perioperative Nursing Clinics*, 7(2), 177-188. doi: 10.1016/j.cpen.2012.02.009 Journal Article

Hough, Helen. (2012). Evaluating website resources. *Perioperative Nursing Clinics*, 7(2), 189-193. doi: 10.1016/j.cpen.2012.02.007 Journal Article

Hough, Helen. (2012, December Ed.). *Tests and measures in the social sciences: Tests available in compilation volumes*, Retrieved from <http://libraries.uta.edu/helen/test&meas/testmainframe.htm> Database Compiler/Editor

Huseman, Ben. (2012-2013). Pearls of the Antilles: Printed maps of Caribbean Islands, an exhibition (Curator and Gallery Guide author) in conjunction with the 2012 Virginia Garrett Lectures on the History of Cartography (2012-2013). (October 1, 2012 -February 9, 2013). Arlington, TX Exhibition

Swenson, Kris. (2012) Work included in Art Conspiracy 8 Art Exhibit and Charity Auction (November 10, 2012). Dallas, TX Artwork

- Swenson, Kris. (2012) Work included in EASL Art Heist – A Night of Crime Benefiting North Texas Artists (April 28, 2012).Fort Worth, TX Artwork
- Swenson, Kris. (2012) Work included in First Day After the Last Day (Juried exhibition). Joshua King, curator (December 22, 2012).Dallas, TX Artwork
- Swenson, Kris. (2012) Work included in Focal Point - an A/V Multimedia Installation. Noted for being the first female artist to exhibit at WAAS Gallery (September 22-October 20, 2012).Dallas, TX Artwork
- Swenson, Kris. (2012) Work included in GirlShow2012: Rewind (Juried exhibition). (October 20, 2012).Dallas, TX Artwork
- Swenson, Kris. (2012) Work included in Give Thanks Art Exhibit and Benefit Show (Juried exhibition). (November 17, 2012).Fort Worth, TX Artwork
- Swenson, Kris. (2012) Work included in Volume 1, Issue 1 of *Third Curtain Photography Magazine*, an international photography journal. Artwork

ENDOWED CHAIRS - NAMED

Endowments for Faculty Positions

College of Business

Eunice & James L. West Chair of Private Enterprise and Entrepreneurship – Deepak Datta

Eunice and James West Distinguished Professorship (A) – James Teng

Eunice and James West Distinguished Professorship (B) – Daniel Himarios

Eunice and James West Distinguished Professorship (C) - Xueming Luo

Goolsby – Jacquelyn A. Fouse Endowed Chair – James Campbell Quick

Goolsby – The E.M. “Manny” Rosenthal Standard Meat Co. Endowed Chair – Roger Meiners

Public Accounting Professorship – Thomas Hall

Thomas McMahon Professorship in Business Ethics – Lawrence Chonko

College of Education and Health Professions

K-16 Mind, Brain and Education Chair – Marc Schwartz

College of Engineering

Janet and Mike Greene Endowed Professorship in the College of Engineering – Jung-Chih (JC) Chiao

Texas Instruments Distinguished University Chair in Nanoelectronics – Robert Magnusson

Automation & Robotics Research Institute Chair – (To be announced)

Moncrief-O'Donnell Chair for the Automation & Robotics Research Institute – Frank Lewis

Dr. Tseng Huang Endowed Professorship – Ali Abolmaali

College of Liberal Arts

Jenkins & Virginia Garrett Chair in Southwestern Studies & History of Cartography – Imre Demhardt

Morgan Woodward Distinguished Professorship – Dwain Ya'Ke Smith

College of Nursing

Baylor Health Care Research Professorship – Mary Elizabeth Mancini

George W. and Hazel M. Jay Professorship – Jennifer Gray

Myrna R. Pickard Endowed Professorship – Barbara Raudonis

Samuel Thomas Hughes Jr. Professorship – Mary Lou Bond

College of Science

Hamish Small Chair of Ion Analysis – (Vacant)

Robert A. Welch Distinguished University Chair in Chemistry – Daniel W. Armstrong

Nancy P. and John G. Penson Endowed Professorship in Clinical Health Psychology – Robert J. Gatchel

Shimadzu Distinguished Professorship in Analytical Chemistry – Kevin Schug

School of Social Work

Cheryl Milkes Moore Professorship in Mental Health Research – Cathleen Jordan

Jillian Michelle Smith Professorship in Family Violence Research – Beverly Black

Roy E. Dulak Professorship in Community Practice Research – Richard Hoefler

INDEX

- Abolmaali, Ali 80
Adam, Thomas 48
Adamuti-Trache, Maria 13
Adegbola, Maxine 53
Adnan, Ashfaq 39
Agger, Ben 52
Agonafer, Dereje 39
Aguirre, Regina T.P. 73
Ahmad, Ishfaq 23
Alaimo, Stacy 47
Alexander, Amanda 44
Alexandrakis, Georgios 14
Amacher, Ryan 6
Amaro-Jiménez, Carla 10
Ambartsoumian, Gaik 66
Anderson, Mindi 53
Anjomani, Ardeshir (Ard) 77
Ardekani, Siamak "Sia" A. 17
Armanios, Erian 39
Armstrong, Daniel W. 61, 80
Arrowood, Dana R. 10
Arvidson, Enid 77
Ashwill, Regina (Jean) L. 53
Aswath, Pranesh 37
Atkinson, Sean 50
Audirac, Ivonne 77
Ausbrooks, Carrie Y. 10
Bailey, Jody E. 78
Baker, Joy Don 53
Barnes, Donelle M. 54
Barrett, Edith J. 77
Basham, Randall 73
Bastien, Joseph W. 52
Baxley, Susan M. 54
Beamon, Krystal 52
Behbehani, Khosrow 14
Bell, Brad 4
Bell, Myrtle P 8
Betrán, Esther 57
Bing, Robert L. 47
Black, Beverly M. 73, 80
Blakey, Joan M. 74
Bond, Mary Lou 54, 80
Bowling, Alan 39
Boyas, Javier 74
Boyea, Brent D. 51
Brewster, Billy, 5
Bricout, John C. 74
Briggs, Elten D. 9
Brock, Ruthie 78
Buckwalter, John 14
Bugarin, Alejandro 61
Butler, Donald P. 28
Butts, Marcus M. 8
Byrne, Carol 78
Caçola, Priscilla 14
Campbell, Jonathan 57
Cannon Alan R. 7
Cardona, Mylynka Kilgore 48
Casey, Colleen 77
Casey, Pat 13
Cason, Carolyn L. 54
Casper, Wendy J. 8
Castoe, Todd 57
Cavallo, Ann M.L. 10
Cavanagh, Daniel M. 50
Cawthon, Elisabeth A. 48
Cazzell, Mary 54
Celik-Butler, Zeynep 28
Chakravarthy, Sharma 23
Chang, Woo-Suk 57
Chan, Wen S. 40
Chao, Shih-Ho 17
Chatterjee, Karishma 46
Chen-Charpentier, Benito 66
Chen, Nai Yuen 37
Chen, Victoria 35
Chiao, Jung-Chih (JC) 14, 80
Chiasson, Charles C. 51
Chippindale, Paul T. 57
Choi, Hyeok 17
Chonko, Lawrence 80
Christensen, Shawn 57
Chrzanowski, Thomas H. 57
Cipher, Daisha Jane 54
Clapper, Timothy C. 55
Clark, Andrew M. 46
Cobb, Norman H. 74
Cole, Richard L. 77
Cole, Stephanie 48
Collins, Denise 10
Connor, Michan A. 77
Conway, Christopher B. 49
Cordero-Epperson, Minerva 66
Corley, H. William 35
Coursey, David 77
Crenshaw, Jeanette Theresa 55
Crowder, William 6
Csallner, Christoph 23
Daniel, Kathryn M. 55
Dasgupta, Purnendu 61
Das, Sajal 23
Datta, Deepak K. 8, 80
Davoudi, Ali 28
Daza, Stephanie Lynn 10
Deen, Rebecca E. 51
del Carmen, Alejandro 47
Demhardt, Imre 80
Demhardt, Imre Josef 48
Demuth, Jeffrey 57
Dena, Mercy K. 77
Deng, Yue 69
Dennis, Brian H. 40
Dias, Rasika 62
Ding, Chris H.Q. 23
Dogan, Atilla 40
Doliotis, Paul 24
Dragan, Irinel 66
Efendi, Jap 5
Elliott, A. Raymond 49
Elliott, Doreen 74
Ellwood, Brooks B. 64
Elsenbaumer, Ronald L. 37, 62
Engels, Daniel W. 29
Fahimi, Babak 29
Fairbanks, Robert B. 48
Faris, Wendy B. 47
Farrar-Myers, Victoria 51
Fegaras, Leonidas 24
Ferreira, Susan 36
Figueroa, Norma I. 4
Fincher, Lou 14
Fitzgerald, Colleen M. 49
Fondon, John 58
Formanowicz, Daniel R. 58

Foss, Frank W. Jr. 62
 Fuchs, Perry N. 71
 Fujita, Matthew 58
 Gagne, Jeffrey R. 71
 Gatchel, Robert J. 71, 80
 Gaupp, Andrew Christopher 53
 Gerlach, Jeanne M. 13
 Gildersleeve, Ryan Evelyn 13
 Gough, Laura 58
 Graham, Lisa M. 44
 Granvold, Donald 74
 Gray, Jennifer 80
 Grodach, Carl 77
 Grover, James P. 58
 Grove, Susan K. 55
 Guertin, Carolyn 47
 Gutierrez, Jose Angel 52
 Gyawali, Dipendra 14
 Haji-Sheikh, Abdolhossein 40
 Hall, Bethane Pierce 5
 Hall, Thomas W. 5, 80
 Han, Chunping 52
 Handy, Nancy Jo 55
 Hao, Yaowu 37
 Harp, Dustin M. 46
 Hayunga, Darren K. 6
 Hegar, Rebecca L. 75
 Hekman, Susan J. 52
 Henderson, Desiree 48
 Himarios, Daniel 80
 Hissong, Rod 77
 Hoefler, Richard 75, 80
 Ho, Li Chin Jennifer 5
 Holliday, Kathryn (Kate) 4
 Hong, Yi 15
 Hopman, David D. 4
 Horton, Brian 46
 Hossain, M.D. Sahadat 17
 Hough, Helen 78
 Hower, Robert F. 44
 Hoyos, Laureano R. 18
 Huang, Haiying 40
 Huang, Heng 24
 Huang, Junzhou 25
 Huber, Manfred 26
 Huda, Muhammad N. 69
 Huff, Brian 36
 Hungerford-Kresser, Holly 10
 Hunt, Graham G. 50
 Hu, Qinrong 64
 Huseman, Ben 78
 Hyle, Adrienne E. 13
 Ickes, William 72
 Ignagni, Joseph 52
 Ikeda, Zenas Seiji 44
 Iqbal, Samir M. 30
 Isengildina-Massa, Olga 6
 Ishii, Timothy 50
 Israel-Pelletier, Aimée 49
 Jain, Ankur 40
 Jaramillo, Fernando 9
 Jensen-Campbell, Lauri A. 72
 Jin, Mingwu 69
 John, Lauri D. 55
 Johnson-Winters, Kayunta 62
 Jolly, Marilyn 45
 Jordan, Cathleen 75, 80
 Jorgensen, David 66
 Jorgensen, Theresa 66
 Kenaston-French, Karen 50
 Khare, Adwait 9
 Khavul, Susanna 8
 Kim, Choong-Un 37
 Kim, Daejong 40
 Kim, Young-tae 15
 Klahr, Douglas M. 4
 Koh, Seong Jin 38
 Kojouharov, Hristo V. 66
 Kondraske, George 30
 Kong, Deguang 26
 Korzeniowski, Andrzej 66
 Kribs-Zaleta, Christopher M. 66
 Kumar, Mohan J. 26
 Lange, Diane M. 50
 Lauster, Darryl 45
 Lavelle, James J. 8
 Lawrence, Kent L. 41
 Lee, Wei-Jen 31
 LeFlore, Judy Lynn 55
 Lehmann, Peter J. 75
 Levine, Daniel S. 72
 Lewis, Frank L. 32, 80
 Liang, Qilian 32
 Li, Chengkai 26
 Liegey-Dougall, Angela J. 72
 Li, Jianling 77
 Lima, Benjamin 45
 Lin, Qing 72
 Li, Ren-Cang 67
 Liu, Chaoqun 67
 Liu, Donggang 26
 Liu, Fuqiang 38
 Liu, Yaling 68
 Liu, Yue 68
 Li, Yan 67
 Lopez-Preciado, Luis Ernesto 46
 Lopez, Ramon E. 69
 Lu, Frank K. 41
 Luo, Cheng 41
 Luo, Xueming 9, 80
 MacDonnell, Frederick 62
 Madden, Elissa E. 75
 Magnusson, Robert 32, 80
 Makedon, Fillia 27
 Makeev, Andrew V. 42
 Malaia, Evguenia 11
 Mancini, Mary Elizabeth 56, 80
 Mandal, Subhrangsu S. 62
 Manry, Michael 33
 Mariottini, Gian-Luca 27
 Marshall, Thomas 52
 Martinez-Cosio, Maria 77
 Martin, Leisa A. 11
 Massa, Luca 42
 Mattioli, Glen S. 64
 McDaniel, Carl D. 9
 McEnery, John 19
 McFadyen, Ann 8
 McWilliams, R. Leighton 45
 Megwa, Eronini 46
 Mehta, Madan L. 4
 Meiners, Roger 6, 80
 Meletis, Efstathios "Stathis" I. 38
 Mellgren, Robert L. 72
 Melotto, Maeli 59
 Miller, Roger Leroy 6
 Milson, Andrew J. 11
 Mindel, Charles H. 75
 Mintz-Binder, Ronda D. 56
 Mitschke, Diane 75
 Moon, Hyejin 42
 Moon, Sung Seek 75
 Mora, Pablo A. 72
 Morris, Christopher 49

Musielak, Zdzislaw 70
 Mydlarz, Laura 59
 Najafi, Mohammad 19
 Nelson, Larry P. 14
 Nerur, Sridhar Panchapake 7
 Nestell, Merlynd K. 65
 Newcomb, Patricia 56
 Nguyen, Kytai Truong 15
 North, Kenda 45
 Nussbaum, Charles 51
 Ozdil, Taner R. 4
 Pant, Mohan D. 11
 Park, Heekyeong 72
 Park, Sangwook 70
 Passy, Sophia I. 59
 Paulus, Paul B. 72
 Peng, Yuan Bo 72
 Perera, Roshan P. 63
 Perrotti, Linda I. 73
 Pillai, Vijayan 75
 Pole, Kathryn 12
 Pomerantz, Martin 63
 Pool, Christopher Scott 50
 Poster, Elizabeth C. 56
 Poudyal, Narayan 70
 Pribanic-Smith, Erika J. 46
 Priya, Shashank 42
 Puppala, Anand J. 20
 Quick, James Campbell 8, 80
 Rajeshwar, Krishnan 63
 Rasheed, Abdul A. 9
 Raudonis, Barbara 80
 Raudonis, Barbara Mary 56
 Ray, Asok R. 70
 Reeder, Harry P. 51
 Ricard, Mark D. 14
 Rings, Lana M. 49
 Rodnitzky, Jerry 49
 Rodrigues, Jorge 59
 Rodriguez, Alejandro 77
 Roemer, Kenneth M. 48
 Rogers, K. Jamie 36
 Romero-Ortega, Mario I. 15
 Roner, Michael R. 60
 Rose, Sarah F. 49
 Rouse, Linda 52
 Rueda-Acedo, Alicia R. 49
 Ryan, Scott D. 76
 Sabbagh, Joseph 49
 Sanchez, Katherine 76
 Sarkar, Salil 6
 Sasley, Brent 52
 Sattler, Melanie L. 21
 Schelly, Zolton A. 63
 Schizas, Ioannis 33
 Schmelzer, Marilee 56
 Schoech, Richard (Dick) 27
 Schug, Kevin A. 63, 80
 Schwartz, Marc 80
 Scielzo, Shannon A. 73
 Semingson, Peggy L. 12
 Seo, Dong-Jun 22
 Sharma, Suresh C. 70
 Shelton, Beth Anne 52
 Shelton, Jason E. 53
 Shiakolas, Panos S. 42
 Shin, Donghyun 43
 Shipman, Barbara 68
 Sikora, Riyaz 7
 Skantz, Terrance 6
 Skiles-duToit, Sara 53
 Sledge, Daniel 52
 Small, Eusibius 76
 Smith, Dwain Ya'Ke 40
 Smith, Johanna M. 48
 Smith, John A. 12
 Smith-Osborne, Alexa 76
 Smith-Urrutia, Eric N. 61
 Snow, Diane Morrison 56
 Speier, Amy 53
 Spivey, Chirsty 6
 Srinidhi, Bin 6
 Stavridis, Andreas 22
 Stewart, Christopher Michael 49
 Stodnick, Jacqueline A. 48
 Stotter, Douglas 50
 Subbarao, Kamesh 43
 Subramaniam, Chandra 6
 Su, Chunke 46
 Su, Jianzhong 68
 Swanson, Peggy 6
 Swenson, Kris 78
 Tacconi, Norma 63
 Tang, Liping 15
 Tao, Meng 33
 Teng, James 80
 Teng, James T. C. 7
 Terrasi, Salvatore (Tore) 45
 Thomas, Patricia E. 56
 Tibbals, Harry Fred 38
 Tice, Kathleen A. 12
 Tigner, Amy L. 48
 Timmons, Richard 63
 Tjuatja, Saibun 33
 Tobolowsky, Barbara 13
 Tommerdahl, Jodi M. 12
 Treviño, Roberto R. 49
 Trowbridge, Cynthia 14
 Vaccaro, Mary 46
 Vasilyev, Michael 33
 Walsh, Matthew 61
 Wang, Jinggu 7
 Ward, Michael R. 6
 Watson, Larry 76
 Watson, Sonja S. 49
 Watts, Thomas D. 76
 Welch, James 78
 Wetz, David Alan 33
 White, Kevin James 12
 Whittemore, Andrew H. 78
 Wigley, Shelly 46
 Williford, Kenneth 51
 Wilson, Donald 43
 Winguth, Arnie M.E. 65
 Witzel, Jeffrey 49
 Woods, Robert L. 43
 Wright, Matthew 27
 Wunder, Timothy 6
 Yang, Bo 43
 Yang, Zhiyong 9
 Yasar, Mahmut 6
 Yilla, Abu B. 14
 Yoon, Jiyeon 12
 Young, Michael 56
 Yuan, Baohong 16
 Yuan, Feirong 9
 Yu, Xinbao 22
 Záruba, Gergely Vid 27
 Zhang, Jie 9
 Zhang, Yi 13
 Zhang, Yuejiao 48
 Zhou, Weidong 33

Acknowledgements

We acknowledge with thanks the Office of the Provost and the Library for making this event possible.

We recognize the following University individuals for their contributions: Connie Frazier, Office of the Provost (mailing lists and invitation distribution) and, Daniel Vincenzo, Office of Research Administration (patents). From the Library: Maggie Dwyer (book design and layout), Debbie Carter and Jeff Downing (co-chairs), Erin O'Malley (exhibit), Mark Cook (research), Beverly Carver, Candy McCormic (book cover and reception) and Donald Quarles (reception), and Julie Alexander (administration). Also, working with the RefWorks database, were Helen Hough, Derek Reece, Brad Gulliford, Ava Nell Harris, Lynn Johnson, Brian Cholewinski, Carol Byrne, Gretchen Trkay, Bogi Huddleston, and CD Walter.

We are also grateful to the Faculty of UT Arlington, along with academic department staff, for contributing information for the creation of this book. Much of the content of this book was drawn from Faculty Research Profiles and supplemented with information from department administrators. While every effort was made to be comprehensive, we apologize for any errors or omissions.

Mary Castle - thank you for your leadership, and happy retirement!



SPONSORED BY:

UT ARLINGTON LIBRARY & OFFICE OF THE PROVOST