

**A Celebration of  
Scholarship and Creativity**

**Annual Review**

September 2016-August 2017

# FROM THE PRESIDENT

Those who dedicate their lives to discovery and creation of knowledge form the foundation of a thriving university. With the overall goal of creating an educated citizenry, public universities are best positioned to meet their mission when their faculty are equally passionate about teaching, research, and scholarship. I witness that dedication every day in the faculty at The University of Texas at Tyler.

Our faculty understand scholarship means much more than just great teaching, although that is certainly a significant part of student success. They know students truly succeed by witnessing and participating in every aspect of scholarship, from classroom learning to research, conference presentations, and community outreach. Only when they see the whole picture can students fully understand learning is lifelong and reciprocal.

Faculty research at The University of Texas at Tyler enriches student learning and engagement, but also plays a crucial role in advancing the communities of East Texas and beyond, from strengthening K-12 education to establishing best practices for economic development.

As evidenced by the many awards and publications cited within these pages, our faculty are among the best in their fields. I am honored to share their accomplishments with you.

The medical field is among the fastest growing sectors for East Texas, and many of our accomplishments demonstrate our role as a key partner in that expansion. The College of Nursing and Health Sciences, for example, is training nurse leaders for advanced careers through the new Doctor of Nursing Practice program. And students are being accepted into the Master of Occupational Therapy program, which begins classes in fall 2018.

Fisch College of Pharmacy is in its third year of classes and continues to establish itself in the field. Along with delivering an impactful, innovative Doctor of Pharmacy curriculum, faculty are dedicated to advancing research and scholarship, publishing in professional and peer-reviewed journals and presenting at national and

international conferences on diverse topics, from drug development to the use of pharmacology to prevent and treat disease.

The College of Education and Psychology is addressing educational attainment and mental health issues in the region through a series of research-based educational centers, including the K-12 Literacy Center, the East Texas Center for School Based Research and Instruction, the Memory Assessment and Research Center, and the advancement of STEM education through the Ingenuity Center.

Faculty in the College of Engineering have engaged students in significant research programs, including the development of wearable sensors and predictive analytics for preterm infants in the Department of Electrical Engineering and the creation of a bike lane network throughout Tyler, a collaborative project of the Department of Civil Engineering and the city of Tyler.

College of Business and Technology faculty directed more than 30 student research projects involving 671 undergraduate and graduate students, and more than 80 percent of tenure-track faculty had scholarly articles published in 2016-17. Several faculty received "Best Paper" awards at national and international conferences.

Over the past year, College of Arts and Sciences faculty received 11 of 14 prestigious Regents' Outstanding Teaching Awards from the University of Texas System. They also published more than 100 articles, authored or co-authored eight scholarly books, and presented at regional, national, and international conferences.

Through outstanding teaching, strong research programs that speak to students, and excellent scholarship, University of Texas at Tyler faculty continue to do great things. We are excited about the opportunities to come as we work together for the benefit of our students and our communities.

**Dr. Michael Tidwell**  
President, The University of Texas at Tyler

# COLLEGE OF ARTS & SCIENCES

The Arts and Sciences faculty at the University of Texas at Tyler are second to none in the academic world. And it is a young and dynamic faculty. A third of has been recruited over the last five years. Over just the last year, the faculty has published over a hundred articles in professional and peer-review journals, authored or co-authored eight scholarly books published by prestigious outlets. And others are in the works. In addition, many dozen presentations at professional conferences at regional, national, and international settings were provided over the last year. And a large proportion of these are undergoing editorial reviews for publication in scholarly journals.

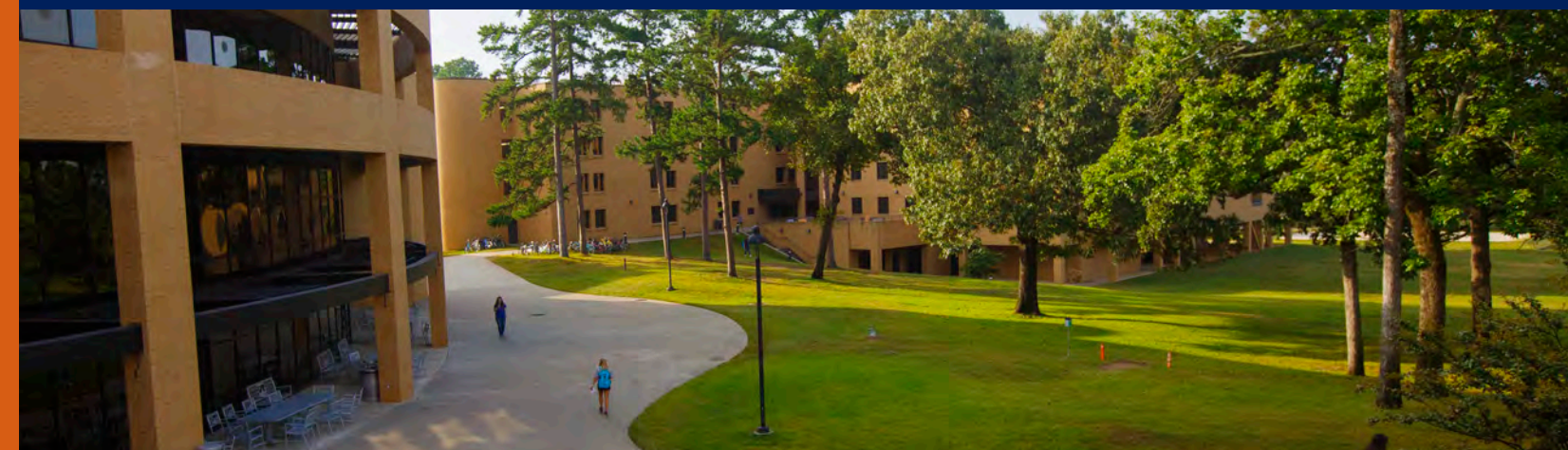
The faculty also continue to earn recognition for their effective and innovative teaching achievements. Eleven of fourteen Regents' Outstanding Teaching Awards, the most prestigious teaching recognitions provided by the University of Texas system, on this campus have been received by faculty in the Arts and Sciences. Faculty have also received several other teaching awards.

The Talon student newspaper, Debate Club, and Model United Nations are all housed in the Arts and Sciences and are the recipients of numerous awards and recognitions at regional and national competitions. The Debate Club program is considered one of the top ten in North America. All of these activities are open to students regardless of their major and home college and are coordinated by well credentialed members of the faculty. In addition, the Arts and Sciences sponsors two international experiences each

academic year that include a deep immersion in Spanish during a six week summer session and a spring recess Study Tour to Israel during the spring semester recess in March. Both programs have been successfully pursued for nearly a decade with steadily growing enrollments. Each experience is designed to annually provide dozens of students with access to and experience with other cultures during which they receive course credit.

The College of Arts and Sciences has become for East Texas the pre-professional school of choice. Our advisors are strong advocates for the double major, an initiative that can, with planning, be completed in a four-year time period. Every year our graduates are leaving to pursue their studies to complete advanced degrees in dentistry, medicine, law, and pharmacy. Others are staying with us and entering graduate programs in their area of interest in the humanities, social sciences, and natural sciences. The college has as its main mission to be instrumental in building and sustaining the middle class in its service area.

Arts and Sciences are the heart and soul of a university dedicated to the education of the entire individual who will have a strong skill set that will equip our students for the unprecedented challenges and opportunities that are becoming available in the twenty-first century.





## ART

### Creative Productions

- Wright, M. (2016). Art of the Cup. Ogden Museum of Southern Art. New Orleans, LA: Ogden Museum of Southern Art.
- Wright, M. (2016). Craft Texas 2016. Houston Center for Contemporary Craft. Houston, TX: Houston Center for Contemporary Craft.



## BIOLOGY

### Journal Publications

- DeMillo, A., Rouquette, M., Mueller, U., Kellner, K., & Seal, J. (2017). Effects of substrate, ant and fungal species on plant fiber degradation in a fungus-gardening ant symbiosis. *Journal of Insect Physiology*, 98, 301-308
- Ford, N. (2016). Ford, D. F., A. D. Walters, L. R. Williams, M. G. Williams and N. B. Ford. 2016. Mussel Assemblages in Streams of Different Sizes in the Neches River Basin of Texas. *Southeastern Naturalist*, 15, 26–40.
- Ford, N. (2017). High-resolution ecological niche modeling of threatened freshwater mussels in east Texas, USA. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 27:1251-1260.
- Glanzman, D. L., Bill, B. R., Yeung, A. K., Alzagatiti, J. B., Choe, R. C., Pearce, K. C., & Roberts, A. C. (2016). Long-term habituation of the C-start escape response in zebrafish larvae. *Neurobiology of Learning and Memory*, 134, Part B, 360–368.
- Graves, J. L., Hertweck, K. L., Phillips, M. A., Han, M. V., Cabral, L. G., Barter, T. T., ... Rose, M. R. (2017). Genomics of Parallel Experimental Evolution in *Drosophila*. *Molecular Biology and Evolution*, 34(4), 831–842.
- Kannan, A., Hertweck, K. L., Philley, J. V., Wells, R. B., & Dasgupta, S. (2017). Genetic mutation and exome signature of human papillomavirus associated oropharyngeal cancer. *Scientific Reports*, 7:46102.
- Scholes, D. R., Dalrymple, J., Mesa, J. M., Banta, J. A., & Paige, K. N. (2017). An assessment of the molecular mechanisms contributing to tolerance to apical damage in natural populations of *Arabidopsis thaliana*. *Plant Ecology*, 218(3), 265–276.
- Tschinkel, W. R., & Seal, J. N. (2016). Bioturbation by the Fungus-Gardening Ant, *Trachymyrmex septentrionalis*. *PLoS One*, 11(7), e0158920.
- Walters, A., Williams, L. R., Williams, M., Ford, N., & Banta, J. (2017). Ecological niche modeling supports the current taxonomy of freshwater mussels that are considered at risk in east Texas, USA. *Aquatic Conservation: Marine and Freshwater Ecosystems*. 27(6): 1251-1260
- Yu, R. (2017). Correlation of trace element concentrations between epidermis and internal organ tissues in Indo-Pacific humpback dolphins (*Sousa chinensis*). *Science of the Total Environment*, 605–606, 238–245.
- Yu, R. (2017). Illumina-Based Analysis of Bulk and Rhizosphere Soil Bacterial Communities in Paddy Fields Under Mixed Heavy Metal Contamination. *Pedosphere*, 27(3), 569–578.
- Yu, R. (2017). Tissue partition and risk assessments of trace elements in Indo-Pacific Finless Porpoises (*Neophocaena phocaenoides*) from the Pearl River Estuary coast, China. *Chemosphere*, 185, 1197–1207.
- Yu, R. (2017). Effect of salinity on mercury methylating benthic microbes and their activities in Great Salt Lake, Utah. *Science of the Total Environment*, 581–582, 495–506.
- Yu, R. (2017). Hg(II) reduction by siderite (FeCO<sub>3</sub>). *Applied Geochemistry*, 78, 211–218.
- Yu, R. (2017). Spatiotemporal Trends of Heavy Metals in Indo-Pacific Humpback Dolphins (*Sousa chinensis*) from the Western Pearl River Estuary, China. *Environmental Science & Technology*, 51, 1848–1858.

### Poster Presentations

- Blanton, A., Barthel, K., Norrell-Tober, J., Williams, M. B., Placyk, J. S., & Banta, J. A. (2017, August). High Genetic Diversity Within Texas Golden Gladecress (*Leavenworthia texana*), a Federally Endangered Flower. Louis Stokes Alliance for Minority Participation Poster Fair. University of Texas at Tyler.

### Presentations

- Ford, N., Williams, L. R., Williams, M., Banta, J. A., Placyk, J. S., & Hawley, H. (2016, October). State-listed Mussels of East Texas. Freshwater Mussel Work Group of the Texas Comptroller of Public Accounts. Austin, TX.
- Hertweck, K. L. (2016, November). Plant systematics to cancer biology: Transferrable skills and evolutionary thinking in bioinformatics. Australian Bioinformatics and Computational Biology Society (ABACBS). Brisbane, QLD, Australia.
- Hertweck, K. L. (2017, Spring). Plant systematics to cancer biology: Transferrable skills and evolutionary thinking in bioinformatics. Invited seminar at University of Texas at Austin Department of Integrative Biology.
- Ortiz, A., & Hertweck, K. L. (2017, Summer). Historical distribution of diploid and autotetraploid *Callisia graminea* (Commelinaceae) and implications of climate change. Evolution. Portland, Oregon: SSB, SSE, ASN.



## BIOLOGY *continued*

### Funded Grants

- Azghani, Ali. Delivery of PAI-1-Targeted Intrapleural fibrinolytic therapy for empyema, National Institutes of Health (January 1, 2017), USD \$32,460.
- Banta, Joshua. The Metabolism and Genomics of Industrial vs. Wild Strains of Clostridium Acetobutylicum, US Army Research Office (September 1, 2016), USD \$20,000.
- Ford, Neil. Biomonitoring Protocol at Ft. Polk 2017: Unionid Survey of Streams, Quantitative Ecological Services, Inc. (February 20, 2017), USD \$48,949.
- Placyk, John. RFP No. 207c for Endangered species Research Projects for the Freshwater Mussels, Region 2, East Texas: Extension for Pigtoe Genomic Research, TX Comptroller of Public Accounts (February 13, 2017), USD \$130,314.
- Williams, Lance. Aquatic Fauna Surveys on Camp Swift Training Center, Texas Military Department (August 1, 2017), USD \$33,487.
- Williams, Lance. Aquatic Fauna Surveys on Fort Wolters Training Center, Texas Military Department (August 1, 2017), USD \$33,487.
- Williams, Lance. Survey of Kisatchie Painted Crayfish at Ft. Polk, Quantitative Ecological Services (March 8, 2017), Inc. USD \$100,810.
- Williams, Lance. Texas Comptroller Survey of Freshwater Mussels, TX Comptroller (August 15, 2016), USD \$164,174.
- Williams, Lance. Biomonitoring Protocol at Ft. Polk 2017, Quantitative Ecological Services, Inc. (December 15, 2016) USD \$25,000.

## CHEMISTRY

### Journal Publications

- Synak, A., Grobelna, B., Raut, S., Bojarski, P., Gryczynski, I., Karczewski, J., & Shtoyko, T. (2016). Metal enhanced fluorescence of flavin mononucleotide using new plasmonic platform. *Optical Materials*. 59: 136-140.

### Poster Presentations

- Boyd, L. E., Leamer, L., Hightower, P., & Hjorth, C. (2017, April). ACS Student Chapter. American Chemical Society National Meeting. San Francisco, CA: American Chemical Society.

### Funded Grants

- Gray, Neil. Joint Admission Medical Program 2017, Texas Higher Education Coordinating Board (September 1, 2016), \$12,542.





## COMMUNICATION

### Books

Cali, D. (2017). *Mapping Media Ecology: Introduction to the Field* (p258). Peter Lang. <http://dx.doi.org/10.3726/978-1-4539-1871-5>

### Journal Publications

- Ali, M., & Velten, J. C. (2016). Relationships between Human Beings and Objects: An Extension of Parasocial Interaction. *Journal of Communication and Media Studies*, 2(1):1-9.
- Cali, D. (2016). Personalist Survey of Media Studies Territories. *Explorations in Media Ecology*, 15(2), 141–158.
- Dixon, B., & Velten, J. C. (2016). A Tale of Two Cities: A Case Study on the Regional Communication Differences in Texas. *Journal of Research in Humanities and Social Science*, 4(12), 17–21.
- Velten, J. C., & Dodd, C. H. (2016). The Effects of Intercultural Communication Competency-Based Instruction on Intercultural Communication Competence. *Intercultural Communication Studies*, 25(3), 1–18.
- Velten, J. C., & Arif, R. (2016). The influence of snapchat on interpersonal relationship development and human communication. *The Journal of Social Media in Society*, 5(2), 5–43.
- Velten, J. C., Arif, R., & Moehring, D. (2017). Managing Disclosure through Social Media: How Snapchat is Shaking Boundaries of Privacy Perceptions. *Journal of Social Media in Society*, 6(1), 220-250.
- Velten, J. C., Arif, R., & Moehring, D. (2017). When Pain Can be Managed by Managing the Communication: The Influence of Indirect Providers on HCAHPS. *International Journal of Communication and Healthcare*, 11, 54–65.
- Scheinfeld, E., & Shim, M. (2016). Healthy eating behaviors of college students in early adulthood: Understanding through perceived childhood parental influences and the Integrative Model of Behavior. *American Journal of Health Behavior*, 41(3), 228–239. <https://doi.org/10.5993/AJHB.41.3.2>

### Poster Presentations

Mokhtari, K., Swain, C., & Velten, J. C. (2017, April). Benefits and Limitations of Research-Based Interventions for Linguistically and Culturally Diverse Students in After-School Settings. American Educational Research Association annual conference.

### Presentations

- Ali, M., & Velten, J. C. (2016, September). Relationships Between Human Beings and Objects: An Extension of Parasocial Interaction. *Communication and Media Studies Conference*.
- Velten, J. C. (2016, October). Lessons Learned from Implementing an Intercultural Communication Training Program for Pre-Departure Expatriates. *Florida Communication Association Annual Conference*.
- Velten, J. C., Arif, R., & Moehring, D. (2016, Autumn). Managing Disclosure through Social Media: How Snapchat is Shaking Boundaries of Privacy Perceptions. *The Association for Education in Journalism and Mass Communication (AEJMC)*.
- Velten, J. C., & Alexander, R. (2016, Autumn). Recognizing and Preparing the Narcissist for the Expatriate Experience: Practical Notes on Affecting Intercultural Communication Competence. *Texas Global Human Resource Conference*.
- Velten, J. C. (2016, October). The Effect of Mediated Communication on Long-Distance Workplace Relationships: How FaceTime can Influence Perceptions of Coworker Likability Across Co-Cultures. *Florida Communication Association Annual Conference*.
- Velten, J. C., Arif, R., & McCoy, W. (2016, Autumn). When Pain Can be Managed by Managing the Communication: An Analysis of Patient Feedback on Clinicians' Pain Management Strategies. *International Conference on Communication in Healthcare*.

## LITERATURE & LANGUAGES

### Books

Strong, D. (2017). *The Philosophy of Piers Plowman* (p. 217). Palgrave Macmillan.

### Chapters

- Beebe, A. (2016). Lithobolia or Stone-Throwing Devil. In *American Myths, Legends, and Tall Tales: An Encyclopedia of American Folklore*. (pp. 617-618). ABC-CLIO.
- Bock, G. L., & Bock, J. L. (2016). Death Begets Death. In *Red Rising and Philosophy* (pp. 179–188). Open Court.
- Jessop, A. K. (2016). "Geopoetics and Historical Modernism: Gertrude Stein, Laura Riding and Robert Graves in Mallorca, 1912–1936. In *Mediterranean Modernism; Intercultural Exchange and Aesthetic Development, 1880-1945* (pp. 123–148). Palgrave-MacMillan.
- Jessop, A. K. (2017). "The Classical Past and 'the history of ourselves': Laura Riding's Trojan Woman." In *Brill's Companion to Classical Receptions: International Modernism and the Avant-Garde*. Brill: Leiden.
- Odom, S., & Lindsey, L. (2017). Hacking the Lecture: Transgressive Praxis and Presence Using Online Video. In *Writing and Composing in the Age of MOOCs* (pp. 331–345). Hershey, Pennsylvania: IGI Global.
- Standridge, E., & Dubre, V. (2017). Using Information Literacy Tutorials Effectively: Reflective Learning and Information Literacy in First Year Composition. In *Information Literacy and Writing Studies* (Purdue Information Literacy Handbooks).
- Strong, D. (2017). John Donne: Neuroscience and the Experience of Empathy. In *Critical Approaches to Literature: Psychological* (pp. 119–134). Salem Press.
- Wu, H. (2017). Black, White, and Colors in Between: Haunting Whiteness in Feminist Studies. In *Rhetoric of Whiteness: Post-Racial Hauntings in Popular Culture, Social Media, and Education* (pp. 197–200). Southern Illinois University Press.

### Journal Publications

- Beebe, A., & DeGrasse, C. (2017). Dickinson's "I've known a Heaven, like a Tent--" (Fr257). *The Explicator*, 75(2), 125–128.
- Roussel-Zuazu, C. (2016). The Dynamics of Displacement in Perez Galdos "Doña Perfecta" *International Journal of Literature and Linguistics*, vol.3 #4 p.50-53.
- Strong, D. (2016). Amis and Amiloun: An Individuating Will. *Medievalia et Humanistica*, (42), 43–60.
- Wu, H., & Xue, T. (2017). History of Chinese Rhetoric Studies in the U.S. *Study of Contemporary Rhetoric*, 202(4), 42–52.

### Other

- Adsanatham, C., Carter, K., & Wu, H. (2017). Inserting Asian/American Rhetorics & Feminisms: History, Visions, and Collaborative Actions. *Peitho; Journal of Coalition for Women Scholars in the History of Rhetoric and Composition*. <http://cwsshr.org/actionhour2016/adsanathan.html>
- Wu, H. (2016). Rhetorical Philosophy and Strategies in Guiguzi, China's First Book on the Art of Persuasion. *Invited Lecture*.
- Wu, H. (2017). "Voices from the CCCC Asian/Asian American Caucus" *Building a Community, Having a Home*.

### Presentations

- Bock, G. L. (2016, November). Response to "Trusting Again" Annual Meeting of the American Academy of Religion. San Antonio.
- Sidey, M. (2017, June). Teaching for Transfer: Strengthening Students' Mental Representations of Writing. 9th Conference of the European Association for Teaching Academic Writing. London: European Association for Teaching Academic Writing.
- Standridge, E., Hale, R., Papas, A., Siler, H., & O'Quinn, E. (2016, Autumn). A Heuristic for Embracing Tutor Anxiety. *National Conference on Peer Tutoring in Writing*. Tacoma, WA.
- Tilghman, C. M. (2017, March). Spectral Evidence and Sexual Culpability: The Trial of Susanna Martin. 48th Annual CEA Conference. Hilton Head Island, South Carolina: College English Association.
- Utey, G. J. (2017, March). The Short Fiction of Juan Gabriel Vásquez: Phantoms of a Recurring Past. 37th Annual Cincinnati Conference of Romance Languages and Literatures. Cincinnati, Ohio:



## LITERATURE & LANGUAGES *continued*

- The University of Cincinnati.
- Wu, H. (2016, December). Chinese Rhetoric Studies outside China. Invited guest speaker to all faculty in Foreign Language College and Teaching Chinese as a Foreign Language College. Shanghai, China: Shanghai University of Education.
- Wu, H. (2016, December). Foundation and Approaches for the English Essay: Decoding Western Thinking Modes. Student Conference. Shanghai, China: Shanghai Lixin University of Commerce.
- Wu, H. (2016, December). History of Western Studies of Chinese Rhetoric. International Scholarly Forum. Shanghai, China: Shanghai Normal University.
- Wu, H. (2016, December). Professional Communication: An American Perspective. Student Conference. Shanghai, China: Shanghai Lixin University.
- Wu, H. (2016, December). Reassessing China's First Treatise on Rhetoric, Guiguzi. International Scholarly Forum. Shanghai, China: Shanghai Normal University.
- Wu, H. (2017, May). Foundation and Approaches to Academic Writing. Education University of Hong Kong Seminar. UT Tyler and Education University of Hong Kong.
- Wu, H. (2017, July). Space as Key to Deciphering China's First Treatise on Rhetoric. International Society for the History of Rhetoric. London: International Society for the History of Rhetoric.

### Reviews

- Beebe, A. (2016). Invited Review of Two New Editions of Kelroy by Rebecca Rush. *Early American Literature* 51(3), 697-699



## MATHEMATICS

### Journal Publications

- Archer, K. (2017). Characterization of the allowed patterns of signed shifts. *Discrete Applied Mathematics*, 217(2), 97–109.
- Graves, C., Graves, S. J., & Lauderdale, L.-K. (2016). Vertex minimal graphs with dihedral symmetry. *Discrete Mathematics*. 340(10), 2573-2588.
- LaLonde, S. M. (2016). Equivalence and Exact Groupoids. *Houston Journal of Mathematics*, 42(4), 1267–1290. <http://arxiv.org/abs/1411.1027>
- LaLonde, S. M., & Archer, K. (2017). Allowed patterns of symmetric tent maps via commuter functions. *SIAM Journal of Discrete Mathematics*, 31(1), 317–334.

### Presentations

- Anders, K. (2017, Spring). Career paths in academia. UIUC Association for Women in Mathematics chapter meeting.
- Anders, K. (2017, Spring). Re-write and re-submit: Multiple attempts at homework problems in abstract algebra. MAA Session on Teaching Abstract Algebra: Topics and Techniques at Joint Mathematics Meetings.
- Anders, K. (2017, Spring). Rooted forests that avoid sets of permutations. UIUC Graph Theory Seminar.
- Anders, K. (2017, Spring). Unimodal rooted forests. AMS Contributed Paper Session on Combinatorics and Graph Theory at Joint Mathematics Meetings.
- Anders, K. (2017, Summer). Enumerating unimodal rooted forests avoiding the pattern 123. Contributed Paper Session on Graph Theory at Math Fest 2017. Chicago.
- Anders, K. (2017, Summer). Job wanted: Building a Math Club talk about internships and career opportunities. Themed Contributed Paper Session Math Potluck: A Students Swap Session at Math Fest 2017. Chicago.
- Archer, K. (2017, January). Pattern-avoiding cycles. Joint Mathematics Meeting. Atlanta, GA: AMS-MAA.
- Graves, C., Graves, S. J., & Lauderdale, L.-K. (2017, January). Vertex Minimal graphs with dihedral symmetry. Joint Meetings of the AMS and MAA. Atlanta, GA.
- LaLonde, S. M. (2016, October). Permanence properties of exact groupoids. University of Houston Analysis Seminar.
- LaLonde, S. M. (2017, January). Permanence properties of exact groupoids. Joint Mathematics Meetings. Atlanta, GA: American Mathematical Society.
- LaLonde, S. M. (2017, March). Groupoid dynamical systems,  $C^*$ -algebras, and crossed products. Sam Houston State University Mathematics Colloquium.
- LaLonde, S. M. (2017, April). A brief overview of groupoid  $C^*$ -algebras. University of Houston Analysis Seminar.
- LaLonde, S. M. (2017, April). Some recent progress on  $C^*$ -algebras associated to groupoids. University of Houston Analysis Seminar.
- LaLonde, S. M. (2017, Spring). Permanence properties of exact groupoids. Great Plains Operator Theory Symposium. Fort Worth, TX: Texas Christian University.

### Funded Grants

- Milan, David. NSF REU (Research Experiences for Undergraduates) Site at Tyler 2016, National Science Foundation (May 1, 2017), USD \$254,443.



## MUSIC

### Creative Performances

- Conway, V. J., & Tidwell, M. (2016). Duo Piano Recital. Tabor College Guest Artist Series. Hillsboro KS: Tabor College.
- Conway, V. J., & Tidwell, M. (2016). Performance. Duo Piano Recital with Mary Tidwell. Braithwaite Recital Hall: UT Tyler School of Performing Arts.
- Conway, V. J., & Tidwell, M. (2016). Performance. Duo Piano Recital with Mary Tidwell. Athens, TX: Trinity Valley Community College.
- Gullings, K. (2017). Letting Myself In (Selections), for soprano and piano. Society of Composers, Inc. Region XI Conference. The University of Texas at Arlington: Society of Composers, Inc. (SCI).
- Gullings, K. (2017). Excerpts from the original one-act opera Oblivion, for singers and piano. Society of Composers, Inc. Region XI Conference. The University of Texas at Arlington: Society of Composers, Inc. (SCI).
- Gullings, K. (2017). III. The Conqueror Worm" from Three Macabre Songs, for baritone vocalist and piano. College Music Society South Central Regional Conference. Henderson State University in Arkadelphia, AR: College Music Society.
- McBain, J., & McBain, K. (2016). Works for Trumpet, Horn, and Piano. Faculty Recital. Braithwaite Recital Hall: University of Texas at Tyler.
- McBain, J., & McBain, K. (2016). Works for Trumpet, Horn, and Piano. Faculty Recital. Biedenharn Recital Hall: University of Louisiana at Monroe.
- McBain, J., Hoffman, S., & Norwood, D. (2017). Trio for Trumpet, Violin, and Piano by Eric Ewazen. Faculty Trio Recital. University of Texas at Tyler, Braithwaite Recital Hall.
- McBain, J., Hoffman, S., & Norwood, D. (2017). Trio for Trumpet, Violin, and Piano by Eric Ewazen. Guest Recital. Texas A & M Texarkana.
- McBain, J., & Emge, J. D. (2017). August in York by James Stephenson. University of Texas at Tyler Wind Ensemble Concert. University of Texas at Tyler, Vaughn Auditorium.
- Park, S. (2017). 2017 SCI Region IV Conference Concert, "Letting Myself In." 2017 SCI Region IV Conference Concert. The University of Texas at Arlington: SCI Region IV.
- Park, S. (2017). Five Folk Songs for Soprano and Band by Bernard Gilmore. Soprano Solo with Wind Ensemble. Cowan Center: UT Tyler Wind Ensemble.
- Park, S. (2017). La femme dans l'amour. Faculty Recital. UT Tyler Braithwaite Recital Hall: UT Tyler music department.
- Park, S. (2017). Women's Love and Life. Guest Recital. Anderson University York Performance Hall: Anderson University Music Department.
- Rose, C. J. (2016). Conductor. What Cheer: UT Tyler Patriot Singers & Concert Chorale Christmas Concert. First Presbyterian Church, Tyler: School of Performing Arts.
- Rose, C. J. (2016). Conductor. Come Sing With Me: UT Tyler Patriot Singers & Concert Chorale Fall Concert. First Presbyterian Church, Tyler: School of Performing Arts.
- Rose, C. J. (2017). Conductor. I Carry Your Heart With Me: UT Tyler Patriot Singers & Concert Chorale Spring Concert. First Presbyterian Church, Tyler: School of Performing Arts.
- Rose, C. J. (2017). Conductor. Mozart "Missa Brevis in C" Masterworks Concert: UT Tyler Patriot Singers & Concert Chorale; TJC Chamber Singers & Concert Choir. First Presbyterian Church, Tyler: School of Performing Arts.

### Creative Productions

- Park, S. (2016, November 3). Artist Series. West Texas A & M University. West Texas A & M University: National Association of Teachers of Singing Texoma Region.

### Other

- Park, S. (2016). Jean Sibelius as a Song Composer. College Music Society Symposium.

### Presentations

- Emge, J. D. (2017, February). Oboe 102: Create a Sound Pedagogy For the Developing Oboist. Texas Music Educators Convention. San Antonio.
- Gullings, K. (2017, June). Open Educational Resources (OER) in the Music Theory Classroom: A Curricular Redesign Travelogue. Pedagogy into Practice: Teaching Music Theory in the 21st Century. Lee University in Cleveland, TN.
- Park, S. (2016, November). Speed Dating Tonight: Creative Use of Opera Scenes in English. NATS Texoma regional conference. West Texas A & M: NATS Texoma region.

## POLITICAL SCIENCE & HISTORY

### Books

- Steger, M. B., & Wahrlab, A. (2017). What is Global Studies? Theory and Practice. London and New York: Routledge.
- Sterken Jr., R. E. (2016). Teaching Barefoot in Burma: Insights and Stories from a Fulbright Year in Myanmar (p. 202). Yangon School of Political Science Press.

### Chapters

- Mwanzia Koster, M. (2016). The Republic of Congo. In Africa: An Encyclopedia of Culture and Society (p. 30). Santa Barbara: ABC-CLIO.
- Wahrlab, A. (2017). Fostering Global Security. In Rethinking Security in the Twenty-First Century. Palgrave.
- Wahrlab, A. (2017). Somalia's Terrorist Shabaab: The Global Political Economy of Impoverishment and Disempowerment. In Issues in African Political Economies. Durham: Carolina Academic Press.

### Journal Publications

- Linehan, M. (2017). "Women in the 1968 Eugene McCarthy Campaign and the Development of Feminist Politics" *Journal of Women's History*, 29(1), 111-138.
- Wahrlab, A. (2017). Imagining Global Nonviolence. *Perspectives on Global Development & Technology*, 16(1-2), 193-207.

### Other

- Owens, M. (2016). East Texans support Trump, but at lower levels than 2012. *Texas Tribune*. <https://www.tribtalk.org/2016/11/08/east-texans-support-trump-but-at-lower-levels-than-2012/>

### Presentations

- Linehan, M. (2017, March). "Women and the Legacy of the 1968 Presidential Election" Tyler UU Fellowship. Tyler, Texas: UU Fellowship.
- Owens, M. (2016, September). The 114th Congress: Observations from the 2015-16 APSA Congressional Fellows. Annual Meeting of the American Political Science Association. Philadelphia, Pennsylvania: American Political Science Association.
- Snider, C. M. (2017, May). "Gendered Truths: Discourses of Gender and Memory in Brazilian Truth Commission Narratives." Latin American Studies Association. Lima, Peru: Latin American Studies Association.
- Stadelmann, M. A. (2016, October). Migration in the 21st Century. International Academic Conference on Business. Las Vegas.
- Tabri, E. (2016, November). Forging an Anti-Aztec Alliance: a Review of the Literary Sources. 7th Annual South Central Conference on Mesoamerica. Tyler, Texas: UT-Tyler.
- Wahrlab, A. (2017, June). "Supporting Nonviolent Resistance: What's left of nonviolence after it's been adopted as a component US Foreign Policy?" Global Studies Association of North America. Berkeley: Global Studies Association of North America.

### Reviews

- Linehan, M. (2017). "Urban Reform and Sexual Vice in Progressive Era Philadelphia," by James H. Adams. *Journal of the History of Sexuality* 26(1): 140-142.



## SOCIAL SCIENCES

### Books

Guderjan, T. H., & Mathews, J. (2017). *The Value of Things: Prehistoric to Contemporary Maya Commodities*. Tucson: University of Arizona Press.

### Chapters

- Gautier, L. (2017). Abatement level in environmental agreements when firms are heterogeneous in abatement costs. In *A Critical Approach to International Environmental Agreements*. Routledge Publishers.
- Guderjan, T. H., & Hanratty, C. C. (2016). Events and Processes leading to the Abandonment of the Maya city of Blue Creek, Belize. In *In Ritual, Violence, and the Fall of the Classic Maya Kings*. Gainesville: University Press of Florida.
- Guderjan, T. H., Krause, S., Luzzadder-Beach, S., Beach, T., & Brown, C. (2016). Visualizing Maya Agriculture along the Rio Hondo: a Remote Sensing Approach. In *Perspectives on the Ancient Maya of Chetumal Bay*. Gainesville: University Press of Florida.
- McKillop, H., & Sills, E. C. (2017). The Paynes Creek Salt Works, Belize: A Model for Ancient Maya Salt Production. In *The Value of Things: Commonodities in the Maya Region from Prehistoric to Contemporary*. The University of Arizona Press.

### Journal Publications

- Bailey, D. J. S., & Sample, L. L. (2017). Sex offender supervision in context: The need for qualitative examinations of social distance in sex offender-supervision officer relationships. *Criminal Justice Policy Review*, 28(2), 176–204.
- Bailey, D. J. S., & Sample, L. L. (2017). An examination of a cycle of coping with strain among registered citizens' families. *Criminal Justice Studies*, 30(2), 158–180.
- Gautier, L., & Fikru, M. (2017). Environmental Taxation and Mergers in Oligopoly Markets with Product Differentiation. *Journal of Economics*, 122(1), 45–65. <https://link.springer.com/article/10.1007/s00712-017-0531-y>
- Gautier, L. (2017). Local content and emission taxes when the number of foreign firms is endogenous. *Journal of Economics*, 122(3), 239–266. <https://link.springer.com/article/10.1007/s00712-017-0541-9>
- Head, R. N., & Thompson, M. S. (2017). Discrimination-Related Anger, Religion, and Distress: Differences between African Americans and Caribbean Black Americans. *Society and Mental Health*, 7(3), 159–174.
- Klein, J. L. (2017). Learning about the Labeled: Teaching a Course on Sexual Offenders while Accounting for Students who may be Abuse Survivors. *Journal of Criminal Justice Education*, 1-17.
- Klein, J. L., & Cooper, D. T. (2017). Do Perceptions of Statutory Rape Vary Based on Offender and Victim Pairings? Testing the Effects of Race and Gender. *Applied Psychology in Criminal Justice*, 13(1), 33-51.
- Lytte, R., Bailey, D. J. S., & ten Bensele, T. (2017). "We fought tooth and toenail": Exploring the dynamics of romantic relationships among sex offenders who have desisted. *Criminal Justice Studies*, 30(2), 117–135.
- Saygili, M., & Castaneda, M. A. (2016). The health conditions and the health care consumption of the uninsured. *Health Economics Review*, 6(1), 1–19.
- Sills, E. C., McKillop, H. I., & Wells, E. C. (2016). Chemical Signatures of Ancient Activities at Chan b'i – A Submerged Maya Salt Works, Belize. *Journal of Archaeological Sciences: Reports*, 9, 654–662.
- Thompson, M. S. (2016). Know Your Status: Health Literacy, Self-Efficacy & HIV Testing Attitudes. *Journal of Behavioral and Social Sciences*, 3, 52–62.

### Other

- Bailey, D. J. S., & Klein, J. L. (2016). Technical report: Registrant and family member experiences with Texas Voices for Reason and Justice. *Texas Voices for Reason and Justice*.
- Klein, J. L., & Bailey, D. J. S. (2017). Supplementary Materials in Reference to Oral Testimony for House Bill 387. *Urban Affairs Committee Hearing, Texas House of Representatives*.

## SOCIAL SCIENCES *continued*

### Poster Presentations

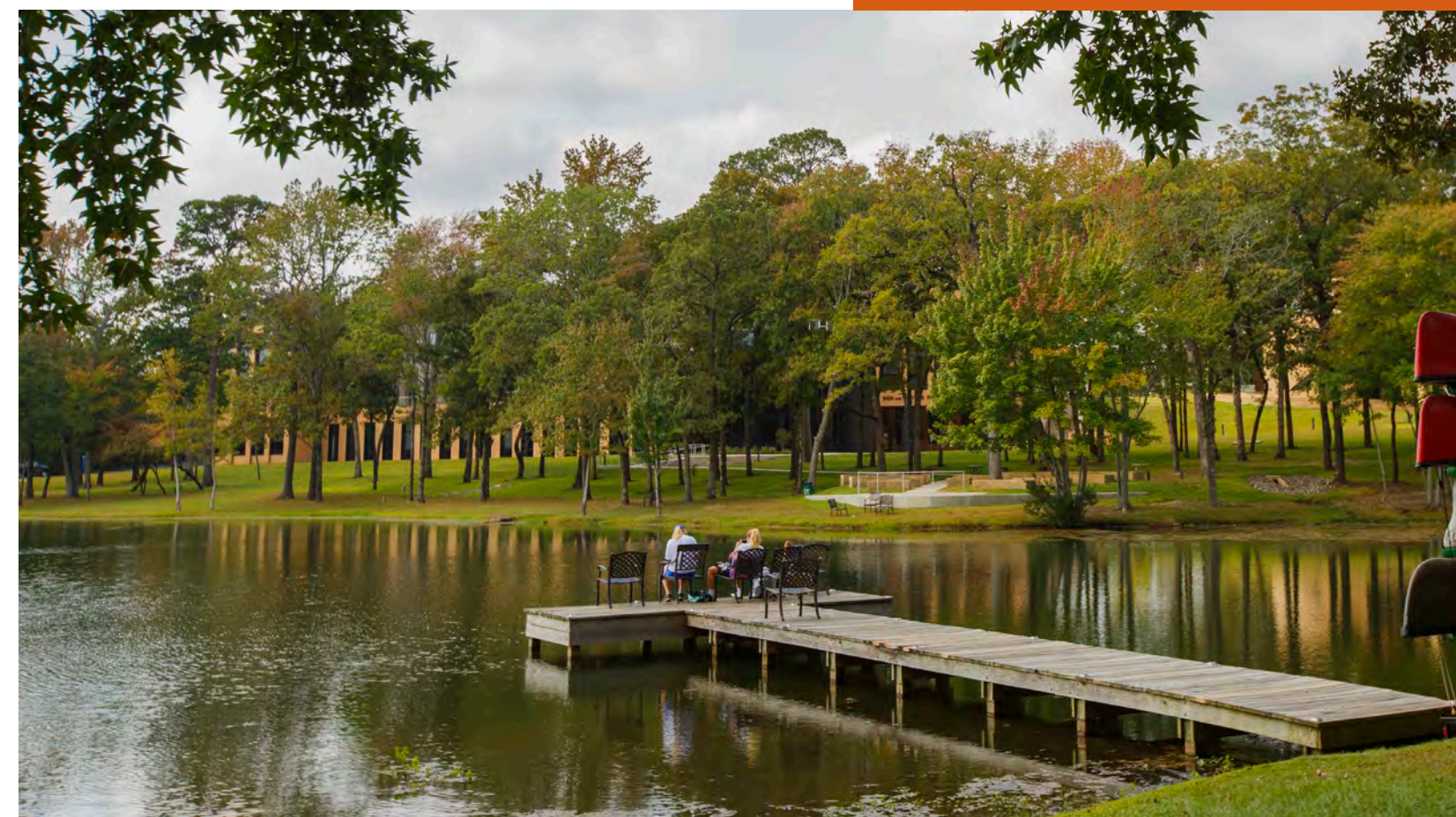
Bailey, D. J. S., & Klein, J. L. (2016, November). Predictors of shame and social isolation in sex offender and sex offender family member populations. *American Society of Criminology*. New Orleans, LA.

### Presentations

- Bailey, D. J. S. (2017, March). Testimony for Public Hearing relating to House Bill 387. *Committee of Urban Affairs Hearing, Texas House of Representatives*. Austin, TX.
- Doty, S. S. (2016, October). Understanding Fiscal Responsibility. *2016 Annual Joint Conference of the Council for Economic Education and the National Association of Economic Educators*. Phoenix Arizona.
- Gautier, L. (2017, July). A Model of Multi-Firm Mergers and Pollution in an International Context. *Conference - Association of Public Economic Theory*. Paris, France: Association of Public Economic Theory. <http://pet2017.u-paris2.fr/>
- Helfers, R. (2016, Autumn). Roundtable: Assessment of criminal justice programs in the Southwest. *Annual Conference for the Southwestern Association of Criminal Justice*. Oklahoma City, Oklahoma: Southwestern Association of Criminal Justice.
- Reynolds, P. D., & Helfers, R. C. (2016, Autumn). Exploring organizational factors related to perceived organizational support among police officers. *Annual Conference for the Southwestern Association of Criminal Justice*. Oklahoma City, Oklahoma: Southwestern Association of Criminal Justice.
- Reynolds, P. D., Helfers, R., & Bailey, D. J. S. (2016, November). Exploring the mediating effects of perceived organizational support between fairness and self-protective behaviors among police officers. *American Society of Criminology*. New Orleans, LA.
- Reynolds, P. D., & Helfers, R. C. (2017, Spring). The moderating effect of having a disciplinary matrix in the relationship between police officers' disciplinary actions and perceived organizational support. *Annual meeting of the Academy of Criminal Justice Sciences*. Kansas City, Missouri: Academy of Criminal Justice Sciences.

### Funded Grants

Guderjan, Tom. Geophysical Investigations at Fort Sherman Cemetery, Texas Parks and Wildlife Department (May 1, 2017), USD \$16,000.





# COLLEGE OF BUSINESS & TECHNOLOGY

The College of Business and Technology (CBT) has built a reputation as the best business school in the region by providing high quality business education, research that includes the creation of both basic and applied knowledge and service within the represented professional disciplines and the stakeholders of the East Texas region. The CBT has experienced double digit growth during each of the last five years. The fall 2016 enrollment exceeded 2700 students, 1300 being graduate students. Both undergraduate and graduate students are involved with faculty in research projects which benefit area businesses. Over 60 student research projects involving 675 students were conducted during the year. In addition to the teaching and directing of student research projects, 91% of the tenure-track faculty had at least one article published in the 2015-2016 academic year. CBT faculty members published 193 peer-reviewed articles (3.6 articles per faculty) and presented 60 papers at academic conferences.

There were two books authored and 36 chapters were published in academic books. The outreach centers within the College of Business and Technology have had a significant impact on the East Texas region this year through their efforts. The Hibbs Institute for Business and Economic Research hosted the East Texas Economic Development summit with Laila Assanie from the Dallas Federal Reserve Bank the keynote speaker.

The Center for Retail Enterprises (CRE) hosted a Retail Summit in both Tyler and Longview. The Center for Family & Small Enterprise hosted a Small Business Boot Camp, where experts were brought in to educate East Texas small business owners, and the Texas Productivity Center provided the Lean Six Sigma certification for area industry. The Leadership Speakers Series featured Lou Holtz. Computer Science held the first Cyber Patriot Games Hackathon and its Robotics team placed 5th at the Texas Tournament.



## COMPUTER SCIENCE

### Journal Publications

- Burns, A. J., Posey, C., Roberts, T. L., & Lowry, P. B. (2017). Examining the relationship of organizational insiders' psychological capital with information security threat and coping appraisals. *Computers in Human Behavior*, 68(3), 190–209. <http://dx.doi.org/10.1016/j.chb.2016.11.018>
- Kulkarni, A. D., & Shrestha, A. (2017). Multispectral Image Analysis Using Decision Trees. *International Journal of Advanced Computer Science and Applications (IJACSA)*, 8(6), 11–18.
- Nix, T. G., & Bettati, R. (2016). Neighbourhood failures in covert communication network topologies. *International Journal of Computational Science and Engineering*, 13(2), 132–146.

### Presentations

- Burns, A. J. (2017, January). Security and privacy issues in healthcare: From medical devices to electronic health records. NSF - Smart and Connected Health Workshop. UT Tyler: NSF, UT Austin Dell Medical School, IEEE.
- Subramanian, N. (2016, October). Service Learning for the Millennial Generation. Association for Computer Educators in Texas Conference. Lamar University, Beaumont: Association for Computer Educators in Texas.

### Proceedings Publications

- Lopez, H., Perkins, M., Odin, K., Webb, D., & Schumaker, R. P. (n.d.). Prediction from Fanbase Opinions: A Study of the League of Legends Community in Twitter. In 27th Annual Conference of the International Information Management Association (IIMA-2016). Taipei, Taiwan.
- Nail, M., Ugone, C., King, C., Schumaker, R. P., & Conn, M. E. (n.d.). Predicting Opening Weekend Box Office Success: Using Social Media Sentiment and YouTube Data. In 27th Annual Conference of the International Information Management Association (IIMA-2016). Taipei, Taiwan.
- Spillman, J., Bustamante, G., Hopkins, T., & Schumaker, R. P. (n.d.). Predicting the Outcomes of the 2016 NCAA March Madness Men's Tournament Brackets: A Study of Fan Twitter Sentiment. In 27th Annual Conference of the International Information Management Association (IIMA-2016). Taipei, Taiwan.

### Funded Grants

- Burns, A.J. Study on Organizational Insiders, University of Texas System National Security Network Excellence Fund (April, 13, 2017), USD \$10,000.





## HUMAN RESOURCE DEVELOPMENT

### Books

Johnson, G. D., Gerwig, K., & McWhorter, R. R. (2016). *A New Brand You Professional Branding Workbook V6.1* (p. 78). Library of Congress Cataloging-in-Publications ISBN: 978-1-312-99360-0: lulu.com Publishing, Raleigh, NC.

### Chapters

Cowart, T. W., Gilley, A., Jackson, S. L., Barber, A., & Gilley, J. W. (2016). Ethical leaders: Trust, work-life balance, and treating individuals as unique. In *Executive Ethics II: Ethical Dilemmas and Challenges for the C Suite* (pp. 109–128). Information Age Publishing.

Ellinger, A. D., Beattie, R. S., & Hamlin, R. G. (2017). Coaching in HRD context. In *The Sage Handbook of Coaching*.

### Journal Publications

Brown, B., & Nimon, K. (2016). [Book Review] The Oxford handbook of multimethod and mixed methods research inquiry. *New Horizons in Adult Education and Human Resource Development*, 28(4), 53–55.

Delello, J. A., McWhorter, R. R., & Kathleen, E. (2017). Perceptions of family members and caregivers living with an individual diagnosed with the disability agenesis of the corpus callosum. *Journal of Social Science and Humanities Research*, 2(3), 49–72.

Gu, Q., & Wang, G. G. (2016). Effects of internal and external sources on innovation performance in Chinese high-tech SMEs: A resource-based view. *Journal of Engineering and Technology Management*, 40, 76.

Lawrence, H., McWhorter, R., Jackson, S., Gilley, A., & Gilley, J. W. (2016). Managerial behaviors that support participative decision making. *Journal of Scholastic Inquiry*, 7(1), 75–103.

Liu, Y., & Wang, G. G. (2017). Organizational Legitimacy from an evaluator perspective: Legitimacy judgment. *Foreign Economics & Management (in Chinese)*, 30(5), 73–84.

Nimon, K. (2016). [Editorial]. Methods matter: Call for research methods submissions. *Human Resource Development Quarterly*, 27, 457–459.

Nimon, K., & Robinson, D. (2016). [Guest Editorial]. The quest for scientific discipline in HRD research: Designs that support causal inference. *European Journal of Training and Development*, 40, 578–582.

Wang, G., Sun, J., Werner, J. M., Gilley, A., & Gilley, J. W. (2016). Means versus ends: Theorizing a definition of human resource development. *Personnel Review*, 46, 1165–1181.

### Poster Presentations

Barrios, J., & Nimon, K. (2017, March). Getting on the metaBUS: Meta-analyses of HRD Research. International Research Conference in the Americas. San Antonio, TX: Academy of Human Resource Development.

### Presentations

Bennett, E. E., McWhorter, R. R., Roberts, P. B., Huang, W. (David), & Short, D. (2017, March). Personalized Learning Pathways: A Panel Discussion. AHRD International Research Conference in the Americas. San Antonio: Academy of Human Resource Development.

Brown, B., Keiffer, G., Conley, D., Bontrager, M., Clardy, J. M., & Nimon, K. (2017, March). Conducting SEM using published descriptive statistics: Extending HRD research. International Research Conference in the Americas. San Antonio, TX: Academy of Human Resource Development.

Ellinger, A. D. (2017, August). Managerial coaching – what we know and pathways for future research. Presentation to Dr. Lonnie R. Morris and doctoral students enrolled in Supervising and Coaching course at The Chicago School of Professional Psychology. August 10, 2017. Presentation to Dr. Lonnie R. Morris and doctoral students enrolled in Supervising and Coaching course at The Chicago School of Professional Psychology. August 10, 2017.

McWhorter, R. R., & Delello, J. A. (2017, March). Exploring Augmented Reality: Challenges and Opportunities for Virtual HRD. 2017 AHRD Conference in the Americas. San Antonio, TX: AHRD.

Nimon, K., Berrios, J., Cooper, J., Mull, A., Musgrave, J., Keiffer, G., & Zientek, L. R. (2017, February). Canonical correlation as the multivariate GLM: A comprehensive illustration. Annual Meeting. San Antonio, TX: Southwest Educational Research Association.

Nimon, K., Shuck, B., & Zigarmi, D. (2016, Summer). A meta-analytic investigation into the

## HUMAN RESOURCE DEVELOPMENT *continued*

commonality between employee engagement and job attitudes. International Conference on Human Resource Development Research and Practice across Europe. Manchester, England: UFHRD.

Nimon, K., & Zientek, L. R. (2016, April). Interpreting canonical correlation results: Using Yhat software to analyze canonical variates. Annual meeting of the American Educational Research Association. Washington, D.C.: AERA.

Roberts, P., Nimon, K., Keiffer, G., Berrios, J., & Mull, M. (2017, March). PEN Survey Results 2017 Edition. AHRD International Research Conference in the Americas. San Antonio: Academy of Human Resource Development (AHRD).

Werner, J., Storberg-Walker, J., Campuzano, M., Twesem, E., Anderson, V., Nimon, K., & Short, H. (2017, March). Promoting your individual research via social media. Academy of Human Resource Development. San Antonio: International Research Conference in the Americas.

Zientek, L. R., & Nimon, K. (2017, February). Conducting secondary analyses from published research: Interpreting published data in new ways. Annual Meeting. San Antonio, TX: Southwest Educational Research Association.

### Proceedings Publications

Carrell, S., Ellinger, A. D., & Nimon, K. F. (2017). Carrell, S., Ellinger, A.D., & Nimon, K. F. Examining the relationships among managerial coaching behaviors, employee engagement, occupational self-efficacy, and perceived organizational support in a higher education context. [Refereed Working Paper submission for UFHRD, November, 2016]. In UFHRD.

Chapman, D. B., Ellinger, A. D., & McWhorter, R. (2017). Chapman, D., Ellinger, A. D., & McWhorter, R. (2016). Exploring associate pastors' internal interim leadership experiences within a religious denomination. [Refereed Working Paper submission in process for UFHRD, November, 2016]. In UFHRD.

Lambert, A., Ellinger, A. D., & McWhorter, R. (2017). Lambert, A., Ellinger, A. D., McWhorter, R. (2017). Understanding participants' transformational experiences in a non-traditional diversity training program in higher education. [Refereed Working Paper submission in process for UFHRD, November, 2016]. In UFHRD.

McBurnett, D., Ellinger, A. D., & McWhorter, R. R. (2016). Using Meta-Ethnography to Analyze Qualitative Case Study Research on Planned Organizational Change. In *Southern Management Association*. Charlotte, North Carolina.

Shuck, B., Nimon, K., & Zigarmi, D. (2017). Definition and conceptual muddling: Identifying the positionality of employee engagement and defining the construct. In *Academy of Human Resource Development 2017 International Research Conference in the Americas*.





## FINANCE & ACCOUNTING

### Journal Publications

- Brown, T., Fischer, M., & Marsh, T. (2016). Using Option Theory to Determine Optimal IRA Investment. *Journal of Accounting and Finance*, 16(7), in process.
- Cate, J., Fischer, M., Marsh, T., & Franks, H. (2016). The Three Ps of Fracking: Production, Politics and Pollution. *Oil, Gas & Energy Quarterly*, 65(1), 847–862.
- Fischer, M., Marsh, T., & Brown, P. D. (2016). Going concern: Decision usefulness or harbinger of doom? *Journal of Business and Accounting*, 9(1), 136-145.
- James, H. L., Benson, B., & Wu, C. Y. (2017). Does CEO ownership affect payout policy? Evidence from using CEO scaled wealth-performance sensitivity. *Quarterly Review of Economics and Finance*. 65, 328-345.

### Presentations

- Cowart, T. W., Duke, G., Dubre, V., & Brown, F. (2017, Spring). Using Student Video Competitions to Promote Ethics Across the Disciplines. The Association of Practical and Professional Ethics Annual Conference. Dallas, TX: APPE.
- Fischer, M., & Marsh, T. (2016, October). Financial Statement Note Disclosures: Evidence from Texas Public Two-Year Colleges. Clute Institute. Las Vegas, NV: The Clute Institute.
- Fischer, M. (2017, January). Accounting and Reporting for Public Colleges and Universities. NACUBO Spring Workshop. Ft Lauderdale, FL: National Association of College and University Business Officers.
- Fischer, M., & Farley, J. (2017, January). New GASB GAAP Guidance. NACUBO Spring Workshop. Ft Lauderdale, FL: National Association of College and University Business Officers.
- Fischer, M. (2017, January). Public Colleges' Cash Flow Reporting. NACUBO Spring Workshop. Ft Lauderdale, FL: National Association of College and University Business Officers.
- Fischer, M. (2017, March). Editor Panel. Southwestern Academy of Management. Little Rock, AK: SWAM.
- Fischer, M. (2017, March). Editor Panel. SWDSI Annual Meeting. Little Rock, AR: SWDSI.
- Fischer, M., & Marsh, T. (2017, March). Investor Beware: VIEs vs SPE Entities. Southwest Decision Science Institute. Little Rock, AR: Decision Science Institute.
- Fischer, M., & Marsh, T. (2017, March). Special business entity reporting: One plugged hole is better than none. American Society of Business and Behavioral Sciences. Las Vegas, NV: American Association of Behavioral & Social Science.
- Fischer, M., & Marsh, T. (2017, March). Texas Public Two-Year Colleges: AFR Disclosures. Southwest American Accounting Association. Little Rock, AR: American Accounting Association.
- Fischer, M. (2017, April). GAAP Accounting and Reporting Update. East Texas Accounting and Research Forum. SFASU: SFASU.
- Fischer, M. (2017, May). Issues and Financial Reporting for Public Higher Education. CACUBO. Nashville, TN: Central Association of College and University Business Officers.
- Gopalakrishna Remani, V., Camp, K. M., & Cowart, T. W. (2016, Autumn). How Ethical Leadership Impacts Marketing Norms in Healthcare Organizations. Academy of Legal Studies in Business. San Juan: Academy of Legal Studies in Business.
- Kapka, K. W. (2016). Panel Discussion - Pathways in the CPA Profession. NABA Student Conference. Houston, TX: National Association of Black Accountants.
- Kapka, K. W. (2016). Professional Issues Update. Abilene Chapter Meeting. Abilene, TX: Texas Society of CPAs.
- Kapka, K. W. (2016). Professional Issues Update. San Angelo Chapter Meeting. San Angelo, TX: Texas Society of CPAs.
- Kapka, K. W. (2016). Professional Issues Update. South Plains Chapter Meeting. Lubbock, TX: Texas Society of CPAs.
- Kapka, K. W. (2016). Professional Issues Update. Wichita Falls Chapter Meeting. Wichita Falls, TX: Texas Society of CPAs.
- Kapka, K. W. (2016). Professional Issues Update. Young Emerging Professionals Conference. Austin, TX: Texas Society of CPAs.
- Kapka, K. W. (2016). The CPA Profession - Options for Students. Victoria Chapter College Night. Victoria, TX: Texas Society of CPAs.
- Kapka, K. W. (2017). Professional Issues Update. Central Texas TSCPA Chapter Student Night. Waco, TX: Texas Society of CPAs.
- Kapka, K. W. (2017). Professional Issues Update. El Paso TSCPA Chapter Meeting. El Paso, TX: Texas Society of CPAs.
- Kapka, K. W. (2017). Professional Issues Update. Fort Worth Chapter Meeting/Reception. Fort Worth, Tx: Texas Society of CPAs.

## FINANCE & ACCOUNTING *continued*

- Kapka, K. W. (2017). Professional Issues Update. San Antonio Chapter Meeting. San Antonio, TX: Texas Society of CPAs.
- Kapka, K. W. (2017). Professional Update. Texas Society of CPAs Mid-Year Meeting. Austin, TX: Texas Society of CPAs.
- Prachyl, C., Fischer, M., & Marsh, T. (2016, August). An Exploratory Study: Conformity of Municipality Financial Data to Benford's Distribution. American Accounting Association Annual Meeting. New York, NY: American Accounting Association.
- Willis PhD, CPA, CGMA, V. F. (2016, Autumn). Award Winning Tips. TSCPA Accounting Educators Conference. Dallas, TX: Texas Society of Certified Public Accountants.





## MANAGEMENT & MARKETING

### Books

Wooldridge, B. R., & Camp, K. M. (2017). *Healthcare Marketing - Strategies for Creating Value in the Patient Experience - Preliminary Edition* (pp. 1–259). Cognella, Inc.

### Chapters

Meadows, B. J. (2017). *Workplace Ethical Conduct*. In *Healthcare Marketing - Strategies for Creating Value in the Patient Experience*. Cognella.

### Journal Publications

Astakhova, M., Beal, B. D., & Camp, K. M. (2017). A cross-cultural examination of the curvilinear relationship between perceived demands-abilities fit and risk-taking propensity. *Journal of Business Research*, 79, 41–51.

Byun, K.-A., Dass, M., Kumar, P., & Kim, J. (2017). An Examination of Innovative Consumers' Playfulness on Their Pre-Ordering Behavior. *Journal of Consumer Marketing*, 34(3). <http://dx.doi.org/10.1108/JCM-01-2016-1684>

Byun, K.-A., Song, D., & Kim, M. (2017). The Dilution Effects of Media Strategy On Brands' Copromotion Efficiency. *Journal of Advertising Research*, 57(2). <https://doi.org/10.2501/JAR-2017-027>

Camp, K. M., James, K., Babin, B., & Swimberghe, K. R. (2017). Hedonic and Utilitarian Value and Patient Satisfaction. *The Journal of Applied Management and Entrepreneurship*, 22(1), 6–27.

Cater, J. J., & Young, M. (2016). Family Factors in Small Family Business Growth. *The Journal of Applied Management and Entrepreneurship (JAME)*, 21(4), 56–86.

Gopalakrishna Remani, V., Brown, J., Shanker, M., & Hu, M. (2017). An Information Supply Chain System View for Managing Rare Infectious Diseases: The Need to Improve Timeliness. *Information and Management*, In Press (published online).

James, K. (2017). Commenting on "Atmospheric affect ... gaining share of customer." *Journal of Global Scholars of Marketing Science*, 27(3), 195–200.

Mesak, H., Bari, A., & Blackstock, R. (2016). On the robustness and strategic implications of a parsimonious advertising-inventory competitive model with extensions to pricing competition. *International Journal of Production Economics*, 180, 38–47.

Young, M., & Cater, J. (2016). Community involvement and the hometown effect: A factor in family business expansion patterns. *Business Studies Journal (BSJ)*, 8(1), 138–145.

### Other

Ambort-Clark, K. A. (2017). Classroom Ready Teaching Moments. *Marketing Education Review Vol 27 No 2* (2017).

### Other Teaching Materials

James, K. (2017). Professional Development Seminar and Certificate Program: Teaching Digital Marketing. Academy of Marketing Science.

### Poster Presentations

Byun, K.-A. (2017, February). The Role of Advertising Efficiency in customer satisfaction: Identifying A non-linear relationship. 2017 AMA Winter Educators' Conference. Orlando, FL: American Marketing Association.

### Presentations

Ambort-Clark, K. A. (2016, November). Cengage Pride/Ferrell Innovations in Teaching Competition Award: PictureThis. Society for Marketing Advances Conference. Atlanta, GA: SMA.

Ambort-Clark, K. A. (2016, November). PictureThis, Teaching Moment Presentation. Society for Marketing Advances Conference. Atlanta, GA: SMA.

Bari, A. (2017, May). Inventory model for deteriorating items with advertising sensitive demand under inflation and time discounting. 8th Annual Meeting of the European Decision Sciences Institute. Granada, Spain.

Beal, B. D., Hart, K., MacMillan, K. T., Schnarr, K., & Woodwark, M. J. (2016, Autumn). How to get your students to write great business cases. Presented at the 2016 annual conference of the North

## MANAGEMENT & MARKETING *continued*

American Case Research Association (NACRA), Las Vegas, NV, October 6-8, 2016.

Beal, B. D., Grandy, G., & Lawrence, J. (2016, Autumn). Small but mighty: Strategies for writing (and reviewing) excellent short cases. Presented at the 2016 annual conference of the North American Case Research Association (NACRA), Las Vegas, NV, October 6-8, 2016.

Byun, K.-A., Kim, K. H., Ma, M., & Kang, T. (2017, June). The Effects of Shared Information Distance on New Product Sales: Insights from New Automobile Sales in the U.S. 2017 INFORMS Marketing Science Conference.

Cowart, T. W., Camp, K. M., & Gopalakrishna Remani, V. (2016, Autumn). How Ethical Leadership Impacts Marketing Norms in Healthcare Organizations. Academy of Legal Studies in Business. San Juan: Academy of Legal Studies in Business.

Gopalakrishna Remani, V., Jackson, S. L., & Napier, R. (2016). Examining the impact of an environmental management system and the moderating effect of statistical process control on firm performance. Decision Sciences Annual Conference. Austin TX: Decision Sciences.

Gopalakrishna Remani, V., & Jones, R. P. (2017, Spring). Impact of top management sustainability practices beliefs and the mediating effects of sustainability management and level of adoption on firm performance. 2017 Southwest Decision Sciences Institute. Little Rock, AK: Southwest Decision Sciences Institute.

Hong, J. (Jenny), & Byun, K.-A. (2017, March). The Influence of Consumers' Holistic Thinking on Innovative Design Perception: Role of Different Types of Product Information. Texas Marketing Faculty Research Colloquium.

Hong, J. (Jenny), & Byun, K.-A. (2017, May). Holistic Thinking and Attitude toward Innovative Design: Role of Information Presentation. AMS Conference.

Olson Beal, H. K., Beal, B. D., & Cox, S. (2017, Spring). Teachers' perceptions of school choice and its impact on their professional lives: A qualitative study. Presented at the annual meeting of the American Educational Research Association (AERA), San Antonio, TX, April 27 – May 1, 2017.

Young, M. (2016, November). Student Engagement in Hybrid Leadership and Organizational Behavior Classes. Decision Sciences Annual Conference. Austin, TX: Decision Sciences Institute.

Young, M., & Cater, J. (2017, Spring). Exploring Success Factors for Women in Family Firms. Sam Houston 8th Annual General Business Conference.

Young, M. (2017, Spring). Leadership Institute: Lessons Learned and Methods to Increase Student Engagement. Federation of Business Disciplines and Association of Business Communication (Southwest US). Little Rock.

### Proceedings Publications

Ambort-Clark, K. A. (2016). Society for Marketing Advances Conference. In Society for Marketing Advances Conference.

Cater, J., & Young, M. (2017). The Evolving Leadership Roles and Leadership Styles of Women in Family Firms. In Academy of Management Annual Meeting.

Cater, J., & Young, M. (2017). Rising Stars, Team Players, Steel Magnolias, and Dominant CEOs: Exploring the Changing Leadership Roles of Women in Family Firms. In Academy of Management Annual Meeting. Atlanta, GA.

Gopalakrishna Remani, V., & Jones, R. P. (2017). Impact of top management sustainability practices beliefs and the mediating effects of sustainability management and level of adoption on firm performance. In 2017 Southwest Decision Sciences Institute.

James, K. (2017). Resource Advantage Theory and Service Dominant Logic and Healthcare Consumer Experiences. In Academy of Marketing Science.

Mesak, H. I., Bari, A., & Blackstock, R. (2016). Equilibrium Analysis of an Advertising-Inventory-Pricing Competitive Model. In 47th Annual Meeting of Decision Sciences Institute. Austin, TX: DSI.





## DEPARTMENT OF TECHNOLOGY

### Books

Fazarro, D. E., Trybula, W., Tate, J., & Hanks, C. (2017). NANO-SAFETY: What workers need to know (p. 200). De Gruyter.

### Journal Publications

- Ali, M. (2016). Antimicrobial Agent Treated Filtering Facepiece Respirators for Inactivation of Airborne Viruses during Environmental Catastrophe. *International Journal of Innovations in Biological and Chemical Science*, 9(1), 39–46.
- Ali, M., Gutting, B. W., & van-Hoek, M. L. (2017). Multiple Path Particle Dosimetry for Prediction of Mouse Lung Deposition of Nanoaerosol Particle. *International Journal of Advanced Research in Engineering and Technology*, 8(4), 10–20.
- Donaldson, E. S., & Miller, M. R. (2016). Do Certifications Make a Difference in the Recruitment of Students in Graduate Programs for Industrial Management Programs? *Technology Interface International Journal*, 17(1), 66 – 71.
- Fazarro, D. E., Hanks, C., Trybula, W., & Tate, J. (2017). Introducing Engineering and Technology Majors to Nano-Safety and Ethics. *Technology International Interface Journal*. 17(1), 5-17.
- Lawrence, H., McWhorter, R. R., Jackson, S. L., Gilley, A., & Gilley, J. W. (2016). Managerial Behaviors That Support Participative Decision Making. *Journal of Scholastic Inquiry: Special Edition*. 7(1), 75-99.

### Presentations

- Ali, M. (2016, November). Self-regulated learning pedagogy for teaching applied engineering and technology class. ATMAE Annual Meeting 2016.
- Donaldson, E. S., Miller, M. R., Lawrence, H., & Fazarro, D. E. (2016, Autumn). The unintended consequence resulting from superior preparation of students in technology for industry; Diverting the pipeline away from advanced degrees and academic careers. ATMAE Annual Conference. Orlando, Florida: ATMAE.
- Donaldson, E. S., & Goris, T. (2016, November). Addressing the challenges of preparing science teachers to introduce engineering to early learners in elementary and middle schools. IAJC. Orlando, Florida: IAJC.
- Donaldson, E. S. (2016, November). Can Lean Six Sigma be implemented in Higher Education while ensuring that all customer needs are being met? IAJC. Orlando, Florida: IAJC.
- Donaldson, E. S., & Newton, K. A. (2016, November). Underrepresented minority students' progression to graduate school in technology. IAJC. Orlando, Florida: IAJC.
- Lawrence, H., Miller, M. R., Donaldson, S., & Fazarro, D. (2016, November). The Defined, Measured, Analyzed, and Improved ATMAE Lean Six Sigma Exam: What you need to know for the future. ATMAE Conference.
- Miller, M. R., Lawrence, H. R., Donaldson, E. S., & Fazarro, D. E. (2016, November). The ATMAE Lean Six Sigma Prep Course: Affordable Training Just a Click Away. 2016 ATMAE Annual Conference. Orlando, Florida: ATMAE.

### Proceedings Publications

- Miller, M. R., & Donaldson, E. S. (2016). Do Certifications Make a Difference with the Recruitment of Graduate Students for Technology-related Programs? In 2016 IAJC-ISAM Joint International Conference.



## COLLEGE OF EDUCATION & PSYCHOLOGY

The College's core purpose is to **prepare competent, caring, and qualified professionals in the fields of education, psychology and counseling and to advance the knowledge base in our respective disciplines.** Our commitment is to help each individual become an Architect of Human Potential. It is an awesome responsibility and a tremendous public trust.

We embrace this trust by:

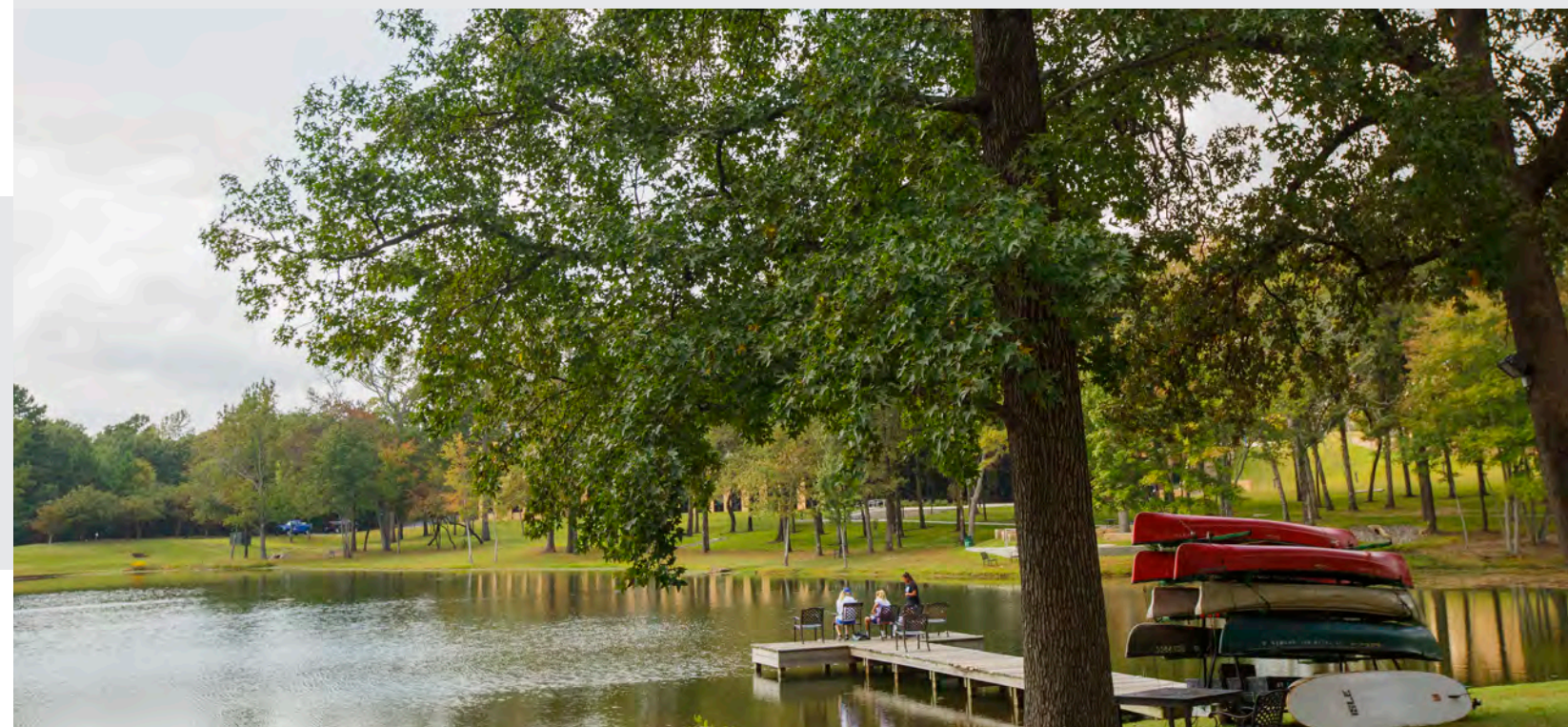
1. preparing the next generation of educators and mental health professionals,
2. expanding the knowledge base in our respective disciplines,
3. providing service to improve the quality of life within our region and state.

The College of Education and Psychology consists of a community of scholars charged with enriching the knowledge base within our respective fields. This is accomplished through the research and scholarship that our faculty pursue. This past year, the College published three books, 24 chapters, 52 journal articles and presented 23 poster sessions and 45 presentations. In addition, the College in conjunction with the Ingenuity Center generated 3.6 million dollars in external funding.

A major initiative of the College of Education and Psychology is addressing the pressing issues of our region. Two of the biggest issues impacting

East Texas is educational attainment and mental health. The College is addressing these issues through a series of educational centers focused on conducting and/or disseminating research based practices to concentrate on these challenges. The K-12 Literacy Center is engaged in a number of research based projects designed to promote literacy with a special emphasis on early literacy in East Texas. The Ingenuity Center's is addressing the issue of science, technology, engineering and mathematics (STEM) by recruiting more STEM majors in education and more professionals in the field. The Memory Assessment and Research Center (MARC) is working in conjunction with the Alzheimer Alliance to provide free dementia screening and family counseling for East Texans. The newest center in the College is the East Texas Center for School Based Research and Instruction and is designed to provide high quality, research-based professional development activities for teachers and administrators that promote student achievement.

As George Bernard Shaw said, "You see things; and you say why? But I dream things that never were; and say why not?" Through the research and scholarship being conducted in the College we are expanding the knowledge base and addressing the pressing societal needs of East Texas.





# EDUCATIONAL LEADERSHIP

## Books

Hickey, W., & Oliveras-Ortiz, Y. (2017). *Proficient to Distinguished: Mastering the T-TESS* (pp. 1–102). Dubuque, IA: Kendall Hunt.

## Chapters

Hickey, W., & Neel, J. L. (2017). *Innovation and State Testing: The Challenges of a University Charter School*. In *Real School Issues* (pp. 81–90). Lanham, Maryland: Rowman & Littlefield.

Miller, G., & Ratliff, T. (2016). *Texas Politics and the Governance Process in Public Education*. In *Texas Public School Organization and Administration 15th Edition*. Dubuque, IA: Kendall Hunt Publishing Company.

## Journal Publications

Jones, J. S., & Oliveras-Ortiz, Y. (2016). *Preparing administrators to lead 21st century learning*. *Texas Association of School Administrators - Texas School Business*, November/December, 23–24.

Oliveras-Ortiz, Y., & Jones, J. S. (2016). *An Intellectual Space for Educational Leaders' Diversity and Social Justice Discourse* (Editorial Piece). *Diversity, Social Justice, and the Educational Leader*, 1(1), 1–4.

Oliveras-Ortiz, Y. (2017). *School Administrators as Instructional Coaches: Teachers' Trust and Perceptions of Administrators' Capacity*. *School Leadership Review*, 12(1), 39–46.

Sterrett, W., Ohlson, M., & Miller, G. J. (2016). *Technology and Learning*. *KDP Reasoned Voice*, (3).

## Other

Miller, G. J. (2017). *Educators Advocating for Change*. *TEPSA Blog Legislative Network*.

Miller, G. J. (2017). *Every Student Succeeds Act: School Leadership Interventions*. *KDP Blog*.

## Presentations

Backor, K., & Oliveras-Ortiz, Y. (2016, October). *Effective Communication for Instructional Supervision: Is There a Need for Change?* Council of Professors of Instructional Supervision. Tampa, FL.

Jones, J. S., & Miller, G. J. (2016, October). *Emerging Technologies for Leaders of 21st Century Learning*. *Advancing Improvement in Education Conference*. San Antonio, Texas: The Texas Center for District and School Support and Educational Service Center Region 13.

Jones, J. S., Montgomery, S. M., & Oliveras-Ortiz, Y. (2017). *The Executive Search: Maneuvering through the Maze of the Application Process*. *Texas Council of Women School Executives 33rd Annual Conference*. Austin Texas: Texas Association of School Administrators.

Jones, J. S. (2017). *Paper Presentation: Examining Trust: A Framework for Collaborative Relationships Between Principals and Teachers*. *Texas Council of Professors of Educational Administration*. Austin, Texas: Texas Association of School Administrators.

Oliveras-Ortiz, Y. (2016, October). *Depth of Knowledge: An Instructional Planning Tool for Rigorous Instruction*. *Texas Association of Bilingual Education*. Galveston, TX.

Oliveras-Ortiz, Y. (2016, October). *School Principals as Instructional Leaders: Factors That Impact Their Practices*. *Council of Professors of Instructional Supervision*. Tampa, FL.

Oliveras-Ortiz, Y. (2017, February). *Depth of Knowledge: An Instructional Planning Tool for Rigorous Instruction*. *National Association of Bilingual Education*. Dallas, TX.

Oliveras-Ortiz, Y., & Vaughn, W. (2017, Winter). *Navigating the Dissonance between the Principal as Evaluator and Supervisor*. *Texas Council of Professors of Educational Administrators Conference*. Austin, TX: Texas Council of Professors of Educational Administrators.

## Proceedings Publications

Jones, J. S. (2017). *Examining Trust: A Framework for Collaborative Relationships Between Principals and Teachers*. In *Texas Council of Professors of Educational Leadership - Texas Association of School Administrators Midwinter Conference*.

# PSYCHOLOGY AND COUNSELING

## Chapters

Lishner, D. A., & Stocks, E. L. (2016). *Altruism and Sociality*. In *Sage Encyclopedia of Theory in Psychology*. Sage.

Lishner, D. A., Steinert, S. W., & Stocks, E. L. (2016). *Gratitude, Sympathy, and Empathy*. In *Encyclopedia of Evolutionary Psychological Science*. Springer.

McNichols, C. (2016). *The sailboat: A metaphor for the counseling process*. In *Metaphors and Therapy: Enhancing Clinical Supervision and Education* (pp. 48–53). Vol 1: Independent Therapy, Inc.

## Journal Publications

Fulcher, M., & Hayes, A. R. (2017). *Building a pink dinosaur: The effects of gendered LEGO sets on boys' and girls' play*. *Sex Roles*. <https://doi.org/10.1007/s11199-017-0806-3>

Goette, W., Delello, J. A., Schmitt, A. L., Sullivan, J. R., & Rangel, A. (2017). *Comparing delivery approaches to teaching abnormal psychology: Investigating student perceptions and learning outcomes*. *Psychology Learning & Teaching*, 16(3) 1–17.

McNichols, C., Witt, K. J., & Gatewood, D. C. (2016). *The successes of experienced rural counselor supervisors and their recommendations for rural mental health*. *Journal of Rural Mental Health*, 40(3/4), 139–153.

Moate, R., Holm, J. M., & West, E. (2017). *Perceptions of helpfulness of teachers in experiential counselor education courses*. *The Professional Counselor*, 7, 155–168.

Osborn, C., West, E., & William, N. Z. (2016). *The experiences of counselors-as-clients in counselor education*. *Counselor Education and Supervision*, 56(2), 112-129.

Sass, S. M., Evans, T. C., Xiong, K., Mirghassemi, F., & Tran, H. (2017). *Attention training to pleasant stimuli in anxiety*. *Biological Psychology*, 122, 80-92.

Schmitt, A. L., Livingston, R. B., Goete, W., & Galusha, J. M. (2016). *Relationship between the MMSE and the RBANS in patients referred for a dementia evaluation*. *Perceptual and Motor Skills*, 123(3), 606–623.

Stocks, E. L., Lopez-Perez, B., & Oceja, L. (2016). *Can't get you out of my mind: Empathy, distress, and recurring thoughts about a person in need*. *Motivation and Emotion*, 41(1), 84-95.

Stocks, E. L., Mirghassemi, F., & Oceja, L. (2016). *How is your day going? Reciprocity norm in everyday communication*. *International Journal of Psychology*. doi:10.1002/ijop.12369

West, E., Miller, L. G., & Moate, R. (2017). *Single mothers' experiences of support at their young children's school: An interpretative phenomenological approach*. *Early Childhood Education Journal*, 45(3), 379–391.

Winship, K., & Stocks, E. L. (2016). *Effects of personality and mood on perception of others: Shifting standards or social projection?* *Undergraduate Journal of Psychology*, 29(1), 27-38.

## Poster Presentations

Archambeault, M., & Stocks, E. L. (2016, Autumn). *Effects of suicide prevention programs in schools*. *East Texas Psi Chi Student Research Conference*.

Carballo-Ahmed, S., & Stocks, E. L. (2016, Autumn). *Dimensions of situational awareness*. *East Texas Psi Chi Student Research Conference*.

Carballo-Ahmed, S., & Stocks, E. L. (2016, Autumn). *Perspective taking in the real world*. *East Texas Psi Chi Student Research Conference*.

Champagne, T., & Stocks, E. L. (2016, Autumn). *Performance cost of motivational deterrence*. *East Texas Psi Chi Student Research Conference*.

Clark, A., Craddock, C., West, R., Kelleher, H., Schmitt, A. L., Cullum, C. M., Tseng, B. (2016, November). *Executive function under dual-task conditions forecasts cognitive declines in older adults with mild cognitive impairment*. *Neuroscience 2016*. San Diego: Society for Neuroscience.

Deruby, C., & Stocks, E. L. (2016, Autumn). *Examining lithium as a possible treatment for mild-to-moderate Alzheimer's disease*. *East Texas Psi Chi Student Research Conference*.

Goette, W., & Stocks, E. L. (2016, Autumn). *Redefining race: Improving the representation of cultural and linguistic minorities in neuropsychological assessments*. *East Texas Psi Chi Student Research Conference*.



## PSYCHOLOGY AND COUNSELING *continued*

- Hagan, A., & Stocks, E. L. (2016, Autumn). Interpersonal Vigilance Theory. East Texas Psi Chi Student Research Conference.
- Hayes, A. R., & Fulcher, M. (2017, April). Imagining a chilly climate: Gender composition of workplaces impacts young peoples' perceptions of jobs. Biennial Meeting of the Society for Research in Child Development. Austin, TX: Society for Research in Child Development.
- Hayes, A. R., & Klueppel, L. (2017, April). The parenting penalty: How gender and parental status affect children's perceptions of workers. The Biennial Meeting of the Society for Research in Child Development. Austin, TX: Society for Research in Child Development.
- Higgins, C., Patel, D., & Stocks, E. L. (2016, Autumn). Development of positive-negative empathy scale. East Texas Psi Chi Student Research Conference.
- Moate, R., & West, E. (2016, October). Professional Counselors' Perceptions of Helpful Aspects of their Teachers of Experiential Classes. Southern Association for Counselor Education and Supervision Conference (SACES). New Orleans, LA.
- Mora, W., & Stocks, E. L. (2016, Autumn). The effects of peer learning on student learning outcomes. East Texas Psi Chi Student Research Conference.
- Reece, K., & Stocks, E. L. (2016, Autumn). Perspective taking and judgment. East Texas Psi Chi Student Research Conference.
- Sanders, G., & Stocks, E. L. (2016, Autumn). Efficacy of rehabilitation interventions for post-concussion syndrome in sports-related concussions. East Texas Psi Chi Student Research Conference.
- Tamez, R., & Stocks, E. L. (2016, Autumn). The etiology of Borderline Personality Disorder. East Texas Psi Chi Student Research Conference.
- West, R., Craddock, C., Clark, A., Kelleher, H., Schmitt, A. L., Cullum, C. M., Tseng, B. (2016, November). Educational level preserves cognitive integrity in older adults but not in patients with mild cognitive impairment. Neuroscience 2016. San Diego, CA: Society for Neuroscience.
- Wiggins, M., & Stocks, E. L. (2016, Autumn). Prejudice in extrinsically-motivated religion. East Texas Psi Chi Student Research Conference.
- Zavala, T., & Stocks, E. L. (2016, Autumn). Children mental illness stigma with a special focus on Hispanic cultures. East Texas Psi Chi Student Research Conference.

### Presentations

- Ellins, K., Riggs, E., Serpa, L., Stocks, E. L., Shapiro Ledley, T., McNeal, K. Mandal, A. (2016, September). Teaching with Online Educational Materials in the Geoscience Classroom: Examples from Texas and Jamaica. Geological Society of America conference. Colorado Springs, CO: GSA.
- Ladine, A., Stocks, E. L., & Odell, M. R. L. (2016, Autumn). Evaluation of an i3 New Tech Implementation Project in South Carolina. Southwest Association of Science Teacher Educator Conference.
- Odell, M. R. L., Stocks, E. L., & Culclasure, B. (2016, Autumn). Strategies for handling unexpected changes when evaluating education projects. Evaluation and Design Conference 2016. Atlanta, GA: AEA.
- Prosek, E. A., Holm, J. M., & Otting, T. L. (2016, September). Developing a Meaningful Research Agenda. Association for Assessment and Research in Counseling Annual Conference. Ft. Lauderdale, Florida.
- Sass, S. M. (2016, September). Attention training in anxiety. Society for Psychophysiological Research. Minneapolis, MN: Society for Psychophysiological Research.
- Stocks, E. L. (2016, Autumn). Beyond the Empathy-Altruism Hypothesis: New directions in prosocial motivation and behavior research. International Congress of Psychology. Yokohama, Japan: ICP.
- Zinck, K., McNichols, C., & Witt, K. J. (2016, October). Constructing meaningful group supervision: The reflecting team experience. The biennial conference of the Southern Association for Counselor Education and Supervision. New Orleans, LA.

### Funded Grants

- Sass, Sarah. Psi Chi Conference Grant, Psi Chi: The International Honor Society in Psychology (March 21, 2017), USD \$2,000.

## SCHOOL OF EDUCATION

### Books

- Stevens, R. (2017). *Master Robert* (p. 162). Authorhouse.

### Chapters

- Consalvo, A., & Schallert, D. (2017). The reading-writing-thinking connection: How literacy and metacognition are mutually interdependent. In *Improving reading comprehension through metacognitive reading instruction for first and second language readers* (pp. 111–130). New York: Rowman and Littlefield.
- David, A. D., & Consalvo, A. (2017). Technologies of resistance: Teachers facilitating students' 21st Century thinking using material tools. In *Deconstructing the educational-industrial complex in the digital age*. (pp. 216–238). New York: Rowman.
- Doepker, G. M. (2017). Service Learning in the Sullivan Literacy Center. In *Service Learning as Pedagogy in Early Childhood Education: Theory, Research, and Practice* (pp. 127–149). Springer Publishing, Inc.
- Hickey, W., & Neel, Dr., J. L. (2016). The challenges of a university charter school. In *Real school issues: Case studies for educators*. (pp. 1–13). Lanham, MD: Rowman and Littlefield Publishing Co.
- Hickey, W., & Neel, J. L. (2017). Innovation and State Testing: The Challenges of a University Charter School. In *Real School Issues* (pp. 81–90). Lanham, Maryland: Rowman & Littlefield.
- Jones, T. B., & Sherman, R. (2016). Curriculum and Instruction. In *Texas Public School Organization and Administration: 2016* (pp. 181–193). Kendall Hunt.
- Kennedy, T. J., & Sundberg, C. (2017). International Perspectives and Recommendations on Equity and Gender: Development Studies in Science Education. In *Science Education: A Global Perspective: International Addition* (pp. 295–311 (Chapter 15)). Switzerland: Springer International Publishing.
- Mokhtari, K., & Consalvo, A. (2016). A flexible data analytic framework: Mapping the way to inform design, implementation and evaluation of literacy instruction in school settings. In *Literacy program evaluation and development initiatives for P-12 teaching*. IGI Global Publishers.
- Zolkoski, S. M., & Carrero, K. M. (2016). Fathers in early intervention. In *The SAGE Encyclopedia of Contemporary Early Childhood Services*. Sage.

### Creative Productions

- Consalvo, A., Takehana, E., & Covino-Poutasse, K. (2016, October 12). *Bullying and Terrorism: Symposium accompanying the opening of digital exhibit: Evil, Empathy, and Finding Humanity: Selections from the Robert E. Cormier Archive*. Virtual. Virtual: UT-Tyler and Fitchburg State University. <https://terrorandbullies.omeka.net/>

### Journal Publications

- Consalvo, A. (2016). Preservice secondary teachers' text sets: Constructing pathways into disciplinary literacy for adolescents. *What's Hot in Literacy: 2016 Literacy Summit Yearbook*, 68–73.
- Consalvo, A., & David, A. D. (2016). Writing on the walls: Supporting 21st century thinking in the material classroom. *Teaching and Teacher Education*, 60, 54–65.
- Delello, J. A., McWhorter, R. R., & Kathleen, E. (2017). Perceptions of family members and caregivers living with an individual diagnosed with the disability agenesis of the corpus callosum. *Journal of Social Science and Humanities Research*, 2(3), 49–72.
- Dykes, F., & Delpont, J. (2017). Our Voices Count: The Lived Experiences of LGBT Educators and Its Impact on Teacher Educator Preparation. *Teaching Education* <https://doi.org/10.1080/10476210.2017.1366976>
- Hall, A., Delello, J. A., & McWhorter, R. R. (2017). Using Facebook to supplement instruction in online and hybrid courses. *International Journal of Innovation and Learning*, 22(1), 87–104.
- Lusk, M. E., Sayman, D., Zolkoski, S. M., Carrero, K. M., & Lewis, C. G. (2016). Playing well with others: Co-teaching in higher education. *Journal of Effective School Project*, 23, 52–61.
- McWhorter, R. R., Delello, J. A., & Roberts, P. (2016). Giving back: Engaging online business students through academic service learning. *Journal of Online Interactive Learning*, 14(2), 80–99.
- Rieger, A., McGrail, E., & Doepker, G. M. (2017). Pre-Service Teachers' Perceptions about the Effectiveness of the TOON Comic Books in Their Guided Reading Instruction. *Georgia Educational Researcher*, 14(1), <https://doi.org/10.20429/ger.2017.140101>
- Sherman, R., Jones, T. B., & Sherman, C. A. (2017). From TABS to STAAR: The Long and Winding



## SCHOOL OF EDUCATION *continued*

- Road. ATPE News, 37(3), 28–30.
- Stevens, R. L., & Fogel, J. A. (2017). Roosevelt's "Tree Army:" The Boys of the CCC. *The Social Studies Texan*, 51-57.
- Stevens, R., & Fogel, J. A. (2016). American Idealism: A New Deal Synthesis in Art. *Journal of Social Studies and History Education (JSSHE)*, 2(1).
- Swain, C., & Lewis, M. (2016). Using Texas principals' perceptions of novice and experienced teacher needs to inform program development. *The Texas Forum of Teacher Education*, Winter, (6), 93–108.
- Xu, J., Sun, Z., & Kennedy, T. J. (2016). EFL adult learners' vocabulary motivation in intensive English language programs in the USA. *TexELT: Texas English Language Teaching*, 5(1), 60–81.
- Zolkoski, S. M., Bullock, L. M., & Gable, R. (2016). Factors Associated With Student Resilience: Perspectives of Graduates of Alternative Education Programs. *Preventing School Failure*, 60(3), 231–243.



### Poster Presentations

- Mokhtari, K., Swain, C., & Velten, J. C. (2017, April). Benefits and Limitations of Research-Based Interventions for Linguistically and Culturally Diverse Students in After-School Settings. American Educational Research Association annual conference..

### Presentations

- Adams-Wiggins, K. R. (2017, March). Achievement Goal Change in Inquiry Science Collaborative Learning. CEP Research Brownbag Series. Tyler, TX: University of Texas at Tyler - College of Education and Psychology.
- Adams-Wiggins, K. R., Rogat, T. K., Adeoye, T., & Zhang, Z. S. (2017, April). Situating Achievement Goals in Collaborative Contexts: Shared Goals. Annual meeting of the American Educational Research Association. San Antonio, Texas: American Educational Research Association
- Consalvo, A., & Schallert, D. L. (2016, November). The Reading-Writing-Thinking Connection: Revisiting the Contribution of Metacognition to a Better Understanding of Literacy Processes. Literacy Research Association Annual Meeting. Nashville, TX: LRA.
- Consalvo, A. (2017, April). Dimensions of Learning: Building Trust Inside of Writing Conferences in an Urban English Classroom. Paper presentation: American Educational Researchers Association Annual Meeting. San Antonio, Texas: American Educational Researchers Association.
- Delello, J. A. (2017, June). STEAM Teach with Photomicrography. 2017 TK Gorman Faculty induction. Tyler, TX.
- Delello, J. A. (2017, June). Using virtual and augmented reality to engage students. 2017 TK Gorman Faculty induction. Tyler, Texas.
- Ladine, A., Stocks, E. L., & Odell, M. R. L. (2016, Autumn). Evaluation of an i3 New Tech Implementation Project in South Carolina. Southwest Association of Science Teacher Educator Conference.
- Lamb, J. H., & Plowman, D. (2016, September). Algebraic thinking and proportional reasoning training effects on teacher beliefs, practices, and knowledge. Association of Mathematics Teacher Educators in Texas Fall Conference. Abilene, TX: Association of Mathematics Teacher Educators in Texas.
- McWhorter, R. R., & Delello, J. A. (2017, March). Exploring Augmented Reality: Challenges and Opportunities for Virtual HRD. 2017 AHRD Conference in the Americas. San Antonio, TX: AHRD.
- Mokhtari, K., & Doepker, G. M. (2017, February). Raising students' metacognitive awareness of reading strategies helps improve their reading comprehension performance. Center for Excellence in Teaching and Learning Workshop Series, The University of Texas at Tyler: Center for Excellence in Teaching and Learning.
- Neel Dr., J. L. (2016, December). Four years & still tutoring! The impact of a successful literacy intervention that continues to thrive & assist pre-service teachers learn how to teach literacy. Literacy Research Association Conference. Nashville, Tennessee: Literacy Research Association.

## SCHOOL OF EDUCATION *continued*

- Odell, M. R. L., Stocks, E. L., & Culclasure, B. (2016, Autumn). Strategies for handling unexpected changes when evaluating education projects. Evaluation and Design Conference 2016. Atlanta, GA: AEA.
- Rieger, A., McGrail, E., & Doepker, G. M. (2016, October). TOON comic books and their effectiveness in guided reading instruction. GATE Annual conference. Young Harris, GA: Georgia Association of Teacher Educators.
- Rieger, A., McGrail, E., & Doepker, G. M. (2017, February). Re-Engaging struggling readers and writers with the help of comic books. Association of Teacher Educators Annual Convention, Orlando, Florida: Association of Teacher Educators.
- Rueter, J., & Dykes, F. (2016, Autumn). Video modeling: The top 10 steps for implementation. Teacher Education Division, Lexington, KY.: Teacher Education Division.
- Rueter, J. A. (2017, Spring). Data Based Problem Solving and Decision Making. Statewide Evaluation Personnel Conference. Dallas, Texas.
- Zolkoski, S. M. (2016, October). Student/Teacher Relationships: Exploring Resilience. Teacher Educators for Children with Behavioral Disorders. Tempe, AZ.

### Funded Grants

- Delello, Julie. Orion Journey to Mars: Bringing NASA Programming to Diverse Rural Settings, Texas Space Grant Consortium (September 1, 2016), USD \$10,000.
- Lamb, John. Pathways of Promise 2.0: Middle School Math Project, E3 Alliance for Greater Texas Foundation (June 1, 2017), USD \$203,296.
- Odell, Michael. Texas 21st Century Community Learning Centers, Cycle 8 Year 5, Texas Education Agency (August 1, 2017), USD \$2,200,000.
- Odell, Michael. Robert Noyce Teacher Scholarship Program Evaluation, National Science Foundation through The University of Texas at Arlington (July 13, 2017), USD \$4,500.
- Odell, Michael. Umbrella Agreement for Technical Support for Statewide Water Quality Management, TCEQ (September 1, 2016), USD \$500,000.
- Sherman, Cindy. 2016-2017 Texas Mathematics & Science Partnership Professional Development Network: Computer Science, Texas Education Agency through The University of Texas at Austin (January 13, 2017), USD \$75,000.





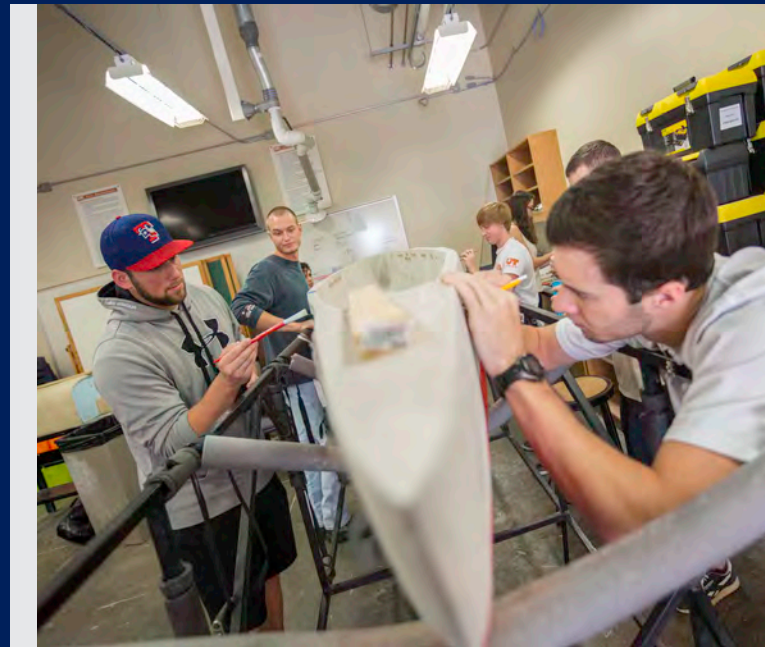
## COLLEGE OF ENGINEERING

The College of Engineering at The University of Texas at Tyler strives to be the preeminent engineering institution in the region with a national reputation for scholarly excellence and transformational regional impact. As a college, we seek to foster the intellectual and economic vitality of the region, the state, and the nation through teaching, research, and outreach.

This past academic year has been one of growth and change in the College of Engineering (COE). We are pleased to welcome Dr. Javier Kypuros as the fourth Dean of Engineering in the college's 20-year history. Dr. Kypuros joins us from The University of Texas Rio Grande Valley, where he served as the Associate Dean of Academic Affairs for the College of Engineering and Computer Science. He is passionate about student success in engineering education, as evident from his two current projects funded by the National Science Foundation; one on an ecosystem for success in engineering and the other on social identities in engineering education and practice. He has also been funded for his research on dynamic systems and control by NASA and the Texas Space Grant Consortium. His passion and skill in the teaching arena are evinced by his recognition as a UT System Regent's Outstanding Teaching Award winner in 2014. Elsewhere in the College, the Department of Electrical Engineering received over \$730K in both federal and industry research funding, while in our Department of Mechanical Engineering, our faculty and students have continued to successfully collaborate with NASA to support training for the NASA Orion Spacecraft. Overall, the College published 33 journal articles and 26 conference papers while submitting 50 research proposals to external funding agencies, with 26 of those proposals being awarded.

The funded research projects of faculty members such as Drs. Premanda Indic and Mena Souliman are representative of how the work we do in the College of Engineering at The University of Texas at Tyler has measurable, positive, societal impact on the people of East Texas and beyond.

DR. PREMANDA INDIC in Electrical Engineering is studying Wearable Sensors and Predictive



Analytics for Preterm Infants. This research program, in collaboration with UT Austin and the University of Alabama at Birmingham, is sponsored by the National Science Foundation (NSF) and the National Institutes of Health (NIH). One in eight infants are born prematurely and these infants have life threatening events such as pauses in breathing (apnea), slowness of heart (bradycardia) and oxygen de-saturation (hypoxia). A group, led by Dr. Indic, is developing a technology for the prediction and intervention of life threatening events in vulnerable infants. One of Dr. Indic's graduate students, Apurupa Amperayani, who is working on this project, was invited to present her work at the renowned Computing in Cardiology Conference held last year in Rennes, France.

Related results from this research have led to other applications including the use of biometrics to monitor suicidal ideation indicators. Suicidal ideation indicators have quantifiable physical effects that can be measured with wearable sensors. Through a partnership with the Department of Veterans Affairs, Dr. Indic and his team are developing methods for measuring and algorithmically analyzing biometric signals to flag in real-time when suicidal ideation occurs. Similar biometric signal analysis could have widespread applications for a variety of physical and mental health issues. This past year, Dr. Indic was recognized as the College's

## COLLEGE OF ENGINEERING *continued*

Alpha Chi Honor Society Outstanding Faculty.

DR. MENA SOULIMAN in Civil Engineering was recently funded by the Texas Department of Transportation (TxDOT) to analyze the current aggregate classification system used for asphalt mixes. As the best quality aggregate types become increasingly scarce, there is an increased need for identifying alternatives and updating classification methods to better quantify and predict quality. In collaboration with the Texas Transportation Institute, Dr. Souliman and his team will comprehensively analyze traditional aggregates and compare them to newer alternatives. Moreover, they will assess the validity of established practices and, using more modern approaches, will attempt to devise more rigorous metrics for categorizing asphalt

Recently the City of Tyler was awarded \$1,000,000 from the TxDOT to add bike lanes to various roads throughout Tyler. This project, which was the brain child of Dr. Souliman, will establish a hub-and-spoke bike lane network throughout Tyler to provide safer travel for cyclists. This hub-and-spoke bike lane model includes an engineered evaluation and scoring criteria to select bike lane spokes. This will incorporate multiple factors such as lane width, geometric design features, and amount of current vehicle traffic in order to provide and facilitate safe travel and compliment present transit systems. Successful implementation in Tyler is likely to result in these findings transferring across the state of Texas.





# CIVIL ENGINEERING

## Journal Publications

- Barbachyn, S., Kurama, Y., McGinnis, M. J., & Sause, R. (2016). Testing and behavior of a coupled shear wall structure with partially post-tensioned coupling beams. *ACI Structural Journal*, 113(01), 111–124.
- Barbachyn, S., Kurama, Y. C., McGinnis, M. J., & Sause, R. (2016). A coupled wall with fully post-tensioned beams and unbonded rebar at toes. *ACI Structural Journal*, 113(6), 1381–1392.
- Brown, F., Lovelace, R., & Hawley, H. (2016). Measured and simulated performance of a grid-connected PV system in a humid subtropical climate. *International Journal of Modern Engineering*.
- Hu, X., Faruk, A., Zhang, J., Souliman, M., & Walubita, L. (2017). Effects of tire inclination (turning traffic) and dynamic loading on the pavement stress–strain responses using 3-D finite element modeling. *International Journal of Pavement Research and Technology*, 10(4).
- Mamlouk, M., & Souliman, M. (2017). Simple approach for designing sustainable pavement with self-healing fatigue cracking. *ASCE Journal of Transportation Engineering, Part B: Pavements*, 143(2).
- Manning, M. P., Weldon, B. D., McGinnis, M. J., Jauregui, D. V., & Newtonson, C. M. (2016). Behavior comparison of prestressed channel girders from high performance concrete and locally developed ultra-high performance concrete. *Transportation Research Record*, 2577, 60–68.
- Salini, R., Xu, B., & Souliman, M. (2016). Impact of image resolution on pavement distress detection using PICUCHA methodology. *Stavební Obzor - Civil Engineering Journal*, 25(4).
- Souliman, M., Mamlouk, M., & Eifert, A. (2017). Mechanistic analysis and cost-effectiveness of rubber and polymer modified asphalt mixtures. *ASTM International: Advances in Civil Engineering Materials Journal*, 6(1), 106–118.
- Yildirim, Y., & Saygili, G. (2016). Pavement smoothness of asphalt concrete overlays. *International Journal of Pavement Engineering*. <http://dx.doi.org/10.1080/10298436.2016.1258245>

## Poster Presentations

- Gangone, M. (2017, March). Damage identification in highway bridges using distribution factors. SPIE Smart Structures. Portland, OR: SPIE.
- Gangone, M. (2017, May). Effects of measurement uncertainties on strain-based diagnostics for highway bridges. Office of Research and Technology Transfer Poster Session. The University of Texas at Tyler, Tyler, TX: Office of Research and Technology Transfer.
- Gc, H., & Souliman, M. (2017, April). Assessment of extended fatigue life and cost effectiveness of HMA, asphalt rubber and polymer overlay on preexisting HMA pavement. The Lyceum Student Research Showcase. The University of Texas at Tyler.
- Loganathan, K., & Souliman, M. (2017, April). Cost comparison between normal asphalt and admixed asphalt pavements. The Lyceum Student Research Showcase. The University of Texas at Tyler.
- Suryanarayanan, P., & Souliman, M. (2017, April). Asphalt rubber experience in Texas. The Lyceum Student Research Showcase. The University of Texas at Tyler.
- Tripathi, A., & Souliman, M. (2017, April). Relative performance of jointed plain concrete pavement with sealed and unsealed joints. The Lyceum Student Research Showcase. The University of Texas at Tyler.
- Zavagna, P., & Souliman, M. (2017, April). Effectiveness of rehabilitation options on roughness using LTPP section data for the state of Texas. The Lyceum Student Research Showcase. The University of Texas at Tyler.

## Presentations

- Brown, F., Lovelace, R., & Hawley, H. A. (2016, November). Measured and simulated performance of a grid-connected PV system in a humid subtropical climate. 5th IAJC/ISAM Joint International Conference. Orlando, FL.
- Gangone, M. (2017, February). Utilizing diagnostic performance indicators for damage detection in highway bridges. Clarkson University Seminar. Potsdam, NY: Department of Civil and Environmental Engineering.
- Lackey, A. m., & Hawley, H. A. (2017, March). Design analysis and environmental impacts of access roads in Okurase Village, Ghana, Africa. American Society of Engineering Education Gulf Southwest Conference. Richardson, TX: ASEE.
- Saygili, G., & Yildirim, Y. (2016, September). Stabilization of high sulfate soils. 3rd Texas Civil Engineering Conference (CECON 2016). San Marcos, TX: American Society of Civil Engineering.
- Zatarain, H., & Hawley, H. A. (2017, March). Analysis of illness and associated environmental factors in Okurase, Ghana. American Society of Engineering Education Gulf Southwest Conference. Richardson, TX: ASEE.

# CIVIL ENGINEERING *continued*

## Proceedings Publications

- Gangone, M., & Whelan, M. J. (2017). Damage identification in highway bridges using distribution factors. In *SPIE Smart Structures*.
- Lackey, A. M., & Hawley, H. A. (2017). Design analysis and environmental impacts of access roads in Okurase Village, Ghana, Africa. In *American Society of Engineering Education Gulf Southwest Conference*.
- Manning, M. P., Weldon, B. D., McGinnis, M. J., Jauregui, D. V., & Newtonson, C. M. (2016). Behavior comparison of prestressed channel girders from high performance concrete and locally developed ultra-high performance concrete. In *Transportation Research Board 95th Annual Meeting*. Washington, D.C.
- McGinnis, M. J., Gangone, M., & Weldon, B. (2017). Lateral load behavior of masonry façade with advanced wood framing including effects of openings. In *13th Canadian Masonry Symposium*. Halifax, Canada.
- Saygili, G., Madshus, C., Nordal, S., & Engin, H. K. (2017). Numerical modeling of blast-induced landslide. In *ASCE GeoFrontiers 2017*. Orlando, FL.
- Zatarain, H., & Hawley, H. A. (2017). Analysis of illness and associated environmental factors in Okurase, Ghana. In *American Society of Engineering Education Gulf Southwest Conference*.
- Zhang, J., Simate, G., Souliman, M., & Walubita, L. (2017). Impact of recycled asphalt materials on asphalt binder properties and rutting and cracking performance of plant-produced mixtures. In *Transportation Research Board*.

## Reviews

- Saygili, G. (2017). *International Journal of Geomechanics*.
- Saygili, G. (2017). *Journal of Geotechnical and Geoenvironmental Engineering*.
- Saygili, G. (2016). *ASTM - Journal of Testing and Evaluation*.
- Saygili, G. (2016). *Soils and Foundations Journal*.

## Funded Grants

- Hawley, Harmonie. A School Composting Project to Increase Environmental Awareness in Children, Association of Environmental Engineering & Science Professors Foundation (September 1, 2016), USD \$690.
- McGinnis, Michael. Experimental Investigation of Ultra High Performance Concrete Behavior, New Mexico Department of Transportation through New Mexico State University (July 1, 2017), USD \$18,000.
- McGinnis, Michael. Experimental Investigation of Adobe Wall Behavior, National Science Foundation through New Mexico State University (June 15, 2017), USD \$3,000.
- McGinnis, Michael. Trane Funding for the Building Air Quality and Energy Houses Center, Trane U.S. Inc. (4/1/2017), USD \$60,000.
- Saygili, Gokhan. Natural Hazards Engineering Research Infrastructure: Cyberinfrastructure, National Science Foundation through The University of Texas at Austin (January 1, 2017), USD \$21, 946.
- Souliman, Mena. Documenting the Impact of Aggregate Quality on Hot Mix Asphalt (HMA) Performance, Texas Department of Transportation through Texas A&M Transportation Institute (ITI) (September 1, 2017), USD \$25,000.
- Souliman, Mena. Transportation Consortium of South-Central States (Tran-SET), U.S. Department of Transportation through Louisiana State University (April 21, 2017), USD \$40,000.
- Souliman, Mena. Mechanistic and Economical Benefits of Fiber-Reinforced Asphalt Mixtures, FORTA Corporation (March 6, 2017), USD \$9,484.
- Souliman, Mena. TEXO Education & Research Foundation Grant, TEXO Association (February 21, 2017), USD \$2,500.
- Souliman, Mena. Retail Merchants 2016 Bike Path, Retail Merchants of Tyler (August 17, 2016), USD \$20,000.



# ELECTRICAL ENGINEERING

## Books

Shirvaikar, M., & Elbert, T. (2017). *Real Time Systems* (p. 222). San Diego, CA: Cognella Academic Publishing.

## Journal Publications

- Biswas, M. A. R., Robinson, M. D., & Fumo, N. (2016). Prediction of residential building energy consumption: A neural network approach. *Energy*, 117(1), 84–92.
- Biswas, M. A. R., & Robinson, M. D. (2017). Prediction of direct methanol fuel cell stack performance using artificial neural network. *Journal of Electrochemical Energy Conversion and Storage*, 14(3), 031008.
- Carreiro, S., Wittbold, K., Indic, P., Fang, H., Zhang, J., & Boyer, E. W. (2016). Wearable biosensors to detect physiologic change during opioid use. *Journal of Medical Toxicology*, 12(3), 255–262.
- Gee, A. H., Barbieri, R., Paydarfar, D., & Indic, P. (2016). Predicting bradycardia in preterm infants using point process analysis of heart rate. *IEEE Transactions on Biomedical Engineering*, 64(9), 2300-2308.
- Pieper, R., & Wondagegn, W. (2016). Simulation based characterization of the transport channel parameters of pentacene thin film transistor: Effect of gate insulator thickness and gate electrode work function. *Global Journal of Researches in Engineering F: Electrical and Electronics Engineering*, vol 16(issue 8), 7.
- Shirvaikar, M., & Dong, X. N. (2016). Semivariogram analysis of bone images implemented on FPGA architectures. *Journal of Real-Time Image Processing*, 1–20.
- Shirvaikar, M., & Dong, X. N. (2016). The measurement of bone quality using gray level co-occurrence matrix textural features. *Journal of Medical Imaging and Health Informatics*, 6, 1357-1362.

## Others

Beams, D. M., Gullings, K., & Ross, C. E. (2016). Seeking new perspectives: engineers experiencing design through creative arts. *American Society for Engineering Education*.

## Proceedings Publications

- Biswas, M. A. R., & Robinson, M. D. (2017). Model prediction of dynamic performance response of DMFC using artificial neural networks. In *The 12th International Conference on Computer Science and Education* (pp. 177–182). Houston, TX: IEEE.
- Ebrahimi, H., El-Kishky, H., Erdle, J., Biswass, M., & Robinson, M. (2016). Novel GSSA modeling and control of high power inverters for modern aircraft electric power systems. In *2016 IEEE International Power Modulator and High Voltage Conference (IPMHVC)*.
- Ebrahimi, H., El-Kishky, H., Biswass, M., & Robinson, M. (2016). Impact of pulsed power loads on advanced aircraft electric power systems with hybrid APU. In *2016 IEEE International Power Modulator and High Voltage Conference (IPMHVC)*.
- Gee, A. H., Barbieri, R., Paydarfar, D., & Indic, P. (2016). Improving heart rate estimation in preterm infants with bivariate point process analysis of heart rate and respiration. In *Engineering in Medicine and Biology Society (EMBC), 2016 IEEE 38th Annual International Conference of the IEEE*.
- Guill'en-Rondon, P., & Robinson, M. D. (2016). Deep brain stimulation signal classification using deep belief networks. In *Computational Science and Computational Intelligence (CSCI), 2016 International Conference on*. IEEE.
- Shirvaikar, M., Paydarfar, D., & Indic, P. (2017). Real time video analysis to monitor neonatal medical condition. In *SPIE Conference on Real-Time Image and Video Processing 2017*.

## Funded Grants

- Indic, Premaranda. Pre-Vent Apnea, National Institutes of Health through the University of Alabama at Birmingham (August 22, 2016), USD \$58,749.
- Indic, Premaranda. Smart and Connected Health, National Science Foundation (September 1, 2016), USD \$144,754.
- Indic, Premaranda. Detecting suicidal ideation from actigraphy data, Department of Veterans Affairs (December 1, 2016), USD \$22,360.
- Indic, Premaranda. Pilot Data Collection and Protocol for Clinical Study of Biometric Effectiveness of Addiction Treatment, University of Massachusetts Medical School, Clinical Agreement with Continue You, LLC (December 18, 2016), USD \$5,800.

# MECHANICAL ENGINEERING

## Journal Publications

- Biswas, M. A. R., & Robinson, M. D. (2017). Prediction of direct methanol fuel cell stack performance using artificial neural network. *Journal of Electrochemical Energy Conversion and Storage*, 14(3), 031008.
- Biswas, M. A. R., Robinson, M. D., & Fumo, N. (2016). Prediction of residential building energy consumption: A neural network approach. *Energy*, 117(1), 84–92.
- Brown, F., Hawley, H. A., & Lovelace, R. (2016). Measured and simulated performance of a grid connected PV system in a humid subtropical climate. *International Journal of Modern Engineering (IJME)*, 17(1), 31-36.
- Goh, C. H., Nellippallil, A. B., Song, K. N., Zagade, P., Gautham, B., Allen, J. K., & Mistree, F. (2017). A goal oriented sequential process design of a multi-stage hot rod rolling system. *The ASME Journal of Mechanical Design*, 139, 031403–1–16.
- Chou, S.-F., Gunaseelan, S., Kiellani, M. H. H., Thottempudi, V. V. K., Neuenschwander, P., & Nie, H. (2017). A review of injectable and implantable biomaterials for treatment and repair of soft tissues in wound healing. *Journal of Nanotechnology*. <https://doi.org/10.1155/2017/6341710>
- Chou, S.-F., Luo, L.-J., & Lai, J.-Y. (2017). In vivo pharmacological evaluations of pilocarpine-loaded antioxidant-functionalized biodegradable thermogels in glaucomatous rabbits. *Scientific Reports*, 7, 42344.
- Chou, S.-F., Luo, L.-J., Lai, J.-Y., & Ma, D. H.-K. (2017). Role of solvent-mediated carbodimide cross-linking in fabrication of electrospun gelatin nanofibrous membranes as ophthalmic biomaterials. *Materials Science and Engineering C: Materials for Biological Applications*, 71, 1145–1155.
- Chou, S.-F., & Woodrow, K. A. (2017). Relationships between mechanical properties and drug release from electrospun fibers of PCL and PLGA blends. *Journal of the Mechanical Behavior of Biomedical Materials*, 65, 724–733.
- Goh, C. H., Ming, Z., Yan, Y., Wang, G., Panchal, J. H., Allen, J. K., & Mistree, F. (2016). Ontology-based executable design decision template representation and reuse. *Artificial Intelligence for Engineering Design, Analysis and Manufacturing Special Issue-Engineering Informatics*, 30(4), 391–406.
- Wynne, R., & Brown, F. (2017). Temperature dependent birefringence in microstructured optical fiber. *IEEE/OSA Journal of Lightwave Technology*, 35(2), 2421-2428.

## Poster Presentations

- Brown, F. (2016, October). Peer interactions in group work shape mindset, persistence, and retention. *Who's Not at The Table*.
- Dumantay, M., Auzenne, S., Issa, M., Vidana, J., Souris, M., Biswas, M. A. R., & Morin, L. (2016, October). Validation of Orion cockpit displays using EggPlant Functional and Python programming. *Dual Conference of Innovation and Automation*. Houston, TX: IEEE Galveston Bay Section Society Chapters.
- Hernandez, A., & Fumo, N. (2017, September). Validation of heat exchanger analysis using computational fluid dynamics. *2017 UT System LSAMP Conference*, September 7-9, 2017, El Paso, TX. El Paso, TX: LSAMP.
- Issa, M., Auzenne, S., & Biswas, M. A. R. (2016, October). Development of low cost, user-friendly academic advising app using Python programming. *Dual Conference of Innovation and Automation*. Houston, TX: IEEE Galveston Bay Section Society Chapters.
- Linhorst, M., & Fumo, N. (2016, September). Design of heat exchangers for miniature organic rankine cycles. *2015 UT LSAMP Student Research Conference*, UT El Paso, September 15-18, 2016. UT El Paso, El Paso, TX: UT LSAMP.
- Wilson, M., & Fumo, N. (2016, September). Modeling a small scale organic rankine cycle. *2016 UT LSAMP Student Research Conference*, UT El Paso, September 15-18, 2016. UT El Paso, El Paso, TX: UT LSAMP.

## Presentations

- Chou, S.-F., & Woodrow, K. (2017, Spring). Effect of drug-polymer interaction on mechanical and release behavior of drug-eluting fibers. *Materials Research Society*. Phoenix AZ.
- Cowart, T. W., Dubre, V., Brown, F., & Duke, G. (2017, Spring). Using student video competition to promote ethics across the curriculum: *Academy of Collegiate Ethics (ACE)*. Association for Practical and Professional Ethics. Dallas, TX: APPE.
- Fumo, N., & Bortone, V. (2017, June). Residential hybrid-ground source heat pump – Phase I.



## MECHANICAL ENGINEERING *continued*

ASHRAE Annual Conference. Long Beach: ASHRAE.

Goh, C.-H., Fumo, N., & Ming, Z. (2016, Autumn). Integrated computational approach for heat exchangers design. ASME 2016 International Mechanical Engineering Congress and Exposition, November 11-17, 2016, Phoenix, Arizona, USA. Phoenix, Arizona, USA: ASME.

Khajah, T. (2016, September). Isogeometric analysis for electromagnetic and acoustic scattering. <https://www.ices.utexas.edu/about/events/1083/>. UT Austin: UT Austin (ICES).

### Proceedings Publications

Auzenne, S., Dumantay, M., Issa, M., Vidana, J., Souris, M., Biswas, M. A. R., & Morin, L. (2017). Automated testing of Orion cockpit displays using EggPlant Functional and Python Programming. In ASEE Gulf Southwest Annual Conference. Richardson, TX: The University of Texas at Dallas.

Biswas, M. A. R., Garcia, S., Prado, M., Souris, M., Hossain, S., & Morin, L. (2017). Software verification of Orion cockpit displays. In The 12th International Conference on Computer Science and Education (pp. 116–120). Houston: IEEE.

Biswas, M. A. R., & Robinson, M. D. (2017). Model prediction of dynamic performance response of DMFC using artificial neural networks. In The 12th International Conference on Computer Science and Education (pp. 177–182). Houston, TX: IEEE.

Brown, F. (2016). Measured and simulated performance of a grid connected PV system in a humid subtropical climate. In 5th IAJC/ISAM Joint International Conference.

Cowart, T. W., Duke, G., Dubre, V., & Brown, F. (2017). Using student video competitions to promote ethics across the disciplines. In The Association of Practical and Professional Ethics Annual Conference. Dallas, TX: APPE.

Ebrahimi, H., El-Kishky, H., Biswas, M. A. R., & Robinson, M. D. (2016). Impact of pulsed power loads on advanced aircraft electric power systems with hybrid APU. In International Power Modulator and High Voltage Conference (IPMHVC) (pp. 434–437). IEEE.

Ebrahimi, H., El-Kishky, H., Erdle, J., Biswas, M. A. R., & Robinson, M. (2016). Novel GSSA modeling and control of high power inverters for modern aircraft electric power systems. In International Power Modulator and High Voltage Conference (IPMHVC) (pp. 494 – 498). IEEE.

Goh, C. H., Fumo, N., & Ming, Z. (2016). Integrated computational approach for heat exchangers design. In Proceedings of the ASME 2016 International Mechanical Engineering Congress and Exposition IMECE2016. Phoenix, Arizona, USA.

Goh, C. H., Yazdanshenas, A., & Williams, R. M. (2017). Designing for community using the project-based learning. In ASEE Gulf Southwest (GSW) Section Annual Conference.

Hisel, J., Wagner, G., Wynne, R., & Brown, F. (2017). Measurements of multicore microstructured optical fibers heated up to 50 C. In SPIE - International Society for Optics and Photonics.

Xu, G., & Khajah, T. (2016). R- refinement for isogeometric analysis. In USACM - United States Association for Computational Mechanics.

### Funded Grants

Brown, Fredericka. Thermal Modeling Support for Columbia Scientific Balloon Facility, Orbital ATK (May 8, 2017), USD \$20,000.

Fumo, Nelson. Senior Undergraduate Project Grant: Auto Self-Balanced Zoning System, American Society of Heating, Refrigerating and Air-Conditioning Engineers (September 1, 2016), USD \$5,000.

Fumo, Nelson. Senior Undergraduate Project Grant: Phase II – TxAIRE House 2 Ground Source Heat Pump, American Society of Heating, Refrigerating and Air-Conditioning Engineers (September 1, 2016), USD \$4,590.

Goh, Chung Hyun. SIMNET Contract: An Intelligent Model for Improving Cost Estimating Relationship Estimation, SIMNET Ltd (September 1, 2016), \$90,000.

## COLLEGE OF NURSING & HEALTH SCIENCES

The College of Nursing and Health Sciences (CNHS) offers outstanding degree programs that equip graduates for successful leadership roles in the health professions and movement sciences. Our graduates are well prepared to practice in a variety of complex, continually changing environments. The CNHS currently houses the School of Nursing, Department of Health & Kinesiology and Institute for Integrated Healthcare. The CNHS enrollment continues to grow with 2,517 students in Fall 2017.

The School of Nursing accounts for approximately 21% of the total enrollment at UT Tyler; about 30% of all in-coming freshmen declare pre-nursing as their major. In spite of program growth, the School of Nursing maintains the rigor of its programs. The BSN graduates exceed a 95% pass rate on the national licensure exam (NCLEX), the MSN Family Nurse Practitioner (FNP) students maintained a pass rate great than 90%; the post-master's students achieved 100% on the FNP certification exam in 2017. Recent national recognition of our online nursing graduate programs was reflected by an impressive ranking of #5 in the country and #1 in Texas by US News & World Report in 2018 (<https://www.usnews.com/education/online-education/nursing/rankings>).

Our B.S. in Kinesiology program was recently recognized by the National Strength and Conditioning Association (NSCA) as a Certified Strength and Conditioning Specialist (CSCS)-preparatory program. All degree programs in the Department of Health & Kinesiology are accredited by the Southern Association of Colleges and Schools, Commission on Colleges (SACSCOC).

The Institute of Integrated Healthcare continued to support faculty research (eight faculty members' research projects were funded), to enhance student education in research (student research seminar/workshop) and to promote community health (offered two community Tai Chi --- mind-body exercise programs for local seniors in 2017).

### New Programs in the CNHS

1. The new Doctor of Nursing Practice (DNP) program received SACS-COC approval,

and we have admitted two classes of DNP students, meaning UT Tyler moved to Level IV designation for doctoral programs.

2. The New Master of Occupational Therapy (MOT) program received approvals from UT System, THECB, SACS-COC and ACOTE. Students are being admitted now to begin classes in Fall 2018.

International program activities increased in 2017. The College sponsored 8 Visiting Scholars from various international universities. The CNHS has conducted three international Teaching and Research workshops, two for international faculty from different Universities in China and one for graduate students from the Education University of Hong Kong. In summary, the CNHS leadership team, faculty and staff have worked diligently in 2017, and our student enrollment, faculty's scholar productivity and external grant funding continued to increase.





# HEALTH AND KINESIOLOGY

## Chapters

Njororai, F. J., & Njororai Simiyu, W. W. (2017). PHYSICAL ACTIVITY. In African rural development planning. Palgrave MacMillan.

## Journal Publications

- Arce-Esquivel, A. A., Ballard, J. E., Haas, B. K., Hermanns, M. L., Rizer, C. A., Kimmel, G. T., & Wang, Y. T. T. (2016). Effect of Tai Chi on Vascular Function Among Peripheral Neuropathy Patients. *Journal of Heart and Cardiology*. <http://www.doi.org/10.15436/2378-6914.16.1039>
- Cooper, C. M., Sorensen, W., & Yarbrough, S. (2017). Visualizing the health of communities: Using photovoice in the college classroom as a pedagogical tool to promote understanding of community health issues. *Health Education Journal*, 76 (4), 454-466.
- Fenter, B., Marzilli, T. S., Wang, Y. T., & Dong, X. N. (2017). The effect of a three-set tennis match on knee kinematics and leg muscle activation during the tennis serve. *Perceptual and Motor Skills*, 124, 214–232.
- Khayesi, M., Darkoh, E., Kinyanjui, M., Njororai Simiyu, W. W., Shisanya, C. A., Chanda, R., Musyoki, A. (2016). Sustaining the legacy of Michael Bernard Kwesi Darkoh 1940-2016. *African Journal of Food, Agriculture, Nutrition and Development*, 16(4), 1–10.
- Lee DE, Brown JL, Rosa-Caldwell ME, Blackwell TA, Perry RA Jr, Brown LA, Khatri B, Seo D, Bottje WG, Washington TA, Wiggs MP, Kong BW, Greene NP. Cancer cachexia-induced muscle atrophy: evidence for alterations in microRNAs important for muscle size. *Physiological Genomics*. 2017 May 1;49(5):253-260. doi: 10.1152/physiolgenomics.00006.2017.
- Li, S., Niu, G., Dong, X. N., Wang, X., Liu, Z., Song, C., & Leng, H. (2017). Osteoporosis affects both post-yield microdamage accumulation and plasticity degradation in vertebra of ovariectomized rats. *Acta Mechanica Sinica*, 33(2), 267–273.
- Njororai Dr., F. J., Ganu, D., & Kogutu, C. N. (2017). Needs and Experiences of People Living with HIV/AIDS Regarding Implementation of Community Home-based Care Services in a Rural County in Western Kenya. *Journal of Applied Medical Sciences*, 6(2), 2241–2336.
- Njororai, F. J., & Lee, S. (2017). Social capital and health among Burundian refugees. *International Social Work*. <https://doi.org/10.1177/0020872817701825>
- Paruchuru, S., Anuj, J., & Dong, X. N. (2016). Loading rate requirements of a compact sandwich test for fracture toughness testing of bone and biomaterials. *Trends in Biomaterials & Artificial Organs*, 30, 95–99.
- Patel, D. I., White, L. J., Lira, V. A., & Criswell, D. S. (2016). Forced exercise increases muscle mass in EAE despite early onset of disability. *Physiological Research*, 65(6), 1013–1017.
- Qin, W., Holick, M., Sorensen, W., Walker, C., & Sauter, E. (2016). Vitamin D3 treatment Influences PGE2 and TGFβ in normal and increased breast cancer risk women. *AntiCancer Research*, 36, 5347–5354.
- Sollanek KJ, Burniston JG, Kavazis AN, Morton AB, Wiggs MP, Ahn B, Smuder AJ, Powers SK. Global Proteome Changes in the Rat Diaphragm Induced by Endurance Exercise Training. *PLoS One*. 2017 Jan 30;12(1):e0171007. doi: 10.1371/journal.pone.0171007.
- Talbert, E. E., Smuder, A. J., Kwon, O. S., Sollanek, K. J., Wiggs, M. P., & Powers, S. K. (2016). Blockage of the Ryanodine Receptor via Azumolene Does Not Prevent Mechanical Ventilation-Induced Diaphragm Atrophy. *PLoS One*, 11, e0148161.
- Thomas, B. P., Sheng, M., Tseng, B. Y., Martin-Cook, K., Womack, K. B., Cullum, M. C., Lu, H. (2017). Reduced global brain metabolism but maintained vascular function in amnesic mild cognitive impairment. *Journal of Cerebral Blood Flow & Metabolism*, 37(4), 1508-1516. doi: 10.1177/0271678X16658662
- Zweifel, M. B., Vigotsky, A. D., Contreras, B., & Njororai Simiyu, W. W. (2017). Effects of 6-week squat, deadlift, or hip thrust training program on speed, power, agility, and strength in experienced lifters: A pilot study. *Journal of Trainology*, 6, 13 – 18.

## Poster Presentations

- Ballard, J. E., & Arce-Esquivel, A. A. (2017, May). Effects of Resistance Training on Physical Exercise Capacity and Vascular Function among Elderly Women. ACSM's 64rd Annual Meeting, 8th World Congress on Exercise is Medicine and World Congress on the Basic Science of Exercise and the Brain. Denver, CO: American College of Sports Medicine.
- Benson, C.A., Lee, D.E., Brown, J.L., Rosa-Caldwell, M.E., Washington, T.A., Greene N.P, Wiggs, M.P. Mitochondrial Dysfunction in Diaphragm Muscle Precedes the Cachectic Phenotype in LLC Tumor-Bearing Mice. Texas ACSM Chapter Meeting. February 2017.

# HEALTH AND KINESIOLOGY *continued*

- Blackwell, T.A., Brown, J.L., Lee, D.E., Rosa, M.E., Perry, R.A., Brown, L.A., Haynie, W.S., Wiggs, M.P., Washington, T.A., Greene, N.P. Myogenic And Atrophic Signaling In The Progression Of Cancer-cachexia. American College of Sports Medicine (ACSM) Annual Meeting. Denver, CO. May 2017.
- Brown, J.L., Rosa-Caldwell, M.E., Lee, D.E. Blackwell, T.A. Perry, R.A. Brown, L.A. Haynie, W.S. Wiggs, M.P. Washington, T.A., Greene, N.P. Cancer-cachexia Upregulates Autophagy Machinery - American College of Sports Medicine (ACSM) Annual Meeting. Denver, CO. May 2017.
- Clark, A., Craddock, C., West, R., Kelleher, H., Schmitt, A. L., Cullum, C. M., Tseng, B. (2016, November). Executive function under dual-task conditions forecasts cognitive declines in older adults with mild cognitive impairment. *Neuroscience 2016*. San Diego: Society for Neuroscience.
- Dong, X. N. (2017, January). A portable EMG-Based biofeedback system to alleviate chronic neck pain. National Science Foundation Smart & Connected Health Workshop. The University of Texas at Tyler: National Science Foundation (NSF) through the Smart and Connected Health Program.
- Dong, X. N., Kirby, M., & Wang, X. (2017, March). Application of 3D digital trabecular bone model in validating the efficacy of DXA in extracting information on trabecular architectures: a pilot study. Annual Meeting of Orthopaedic Research Society. San Diego, California: Orthopaedic Research Society.
- Doolin, J., Vilches, J. E., Cooper, C. M., Gipson, C., & Sorensen, W. (2016, September). Stress and sleep among undergraduate university students, across two different cultures. Texas Public Health Association Annual Conference, Fort Worth, TX.
- Francis, J. (2017, May). Emerging Hypertension during Pregnancy and Breastfeeding at Hospital Discharge. *New Horizons in Lactation*. San Antonio, TX: Unites States Lactation Consultants Association.
- Francis, J. (2017, June). Early Outpatient Lactation Management Intervention and Exclusivity of Breastfeeding at Six Weeks Postpartum. *Nutrition and Nurture in Infancy and Childhood: Bio-Cultural Perspectives*. Grange-over-sands, Cumbria, United Kingdom: Maternal and Infant Nutrition and Nurture Unit (MAINN), University of Central Lancashire.
- Greene, N.P., Brown, J.L., Rosa, M.E., Lee, D.E., Blackwell, T.A., McCarver, H.N., Perry, R.A., Brown, L.A., Haynie, W.S., Wiggs, M.P., Washington, T.A. Timecourse of alterations in myofiber CSA and oxidative phenotype in progression of cancer-cachexia. American College of Sports Medicine (ACSM) Annual Meeting. Denver, CO. May 2017.
- Morton, A.B., Smuder, A.J., Hall, S.E., Wiggs, M.P., Powers, S.K. Oral Administration of BGP-15 Significantly Increases HSP72 Expression and Attenuates Ventilator Induced Diaphragm Dysfunction. *Experimental Biology 2017*. Chicago, IL.
- Njororai Simiyu, W. W., Njororai, F. J., & Li, L. (2016). Walkability scores in upper east Texas cities and physical activity implications. 93rd TAHPERD Convention. Galveston, Texas: TAHPERD.
- O'Reilly, C.L., Wiggs, M.P., Deaver, J.W., SBloomfield, A., Fluckey, J.D. Partial or complete unloading of skeletal muscle leads to specific alterations of anabolic signal transduction. American College of Sports Medicine (ACSM) Annual Meeting. Denver, CO. May 2017.
- Tseng, B., & Gwo, C.-Y. (2016, November). Arterial stiffness predicts white matter burden in patients with mild cognitive impairment. *Neuroscience 2016*. San Diego, CA: Society for Neuroscience.
- West, R., Craddock, C., Clark, A., Kelleher, H., Schmitt, A. L., Cullum, C. M., Tseng, B. (2016, November). Educational level preserves cognitive integrity in older adults but not in patients with mild cognitive impairment. *Neuroscience 2016*. San Diego, CA: Society for Neuroscience.

## Presentations

- Allen, C., Malone, S., Ross, M., Olusola, B., Sorensen, W., & McGaha, P. (2017, Mar. 27-29). Increasing access to colorectal cancer (CRC) screening in rural east Texas where there is a high rate of adenomatous polyps detected. Presented at Texas Public Health Association annual conference, Fort Worth, TX.
- Arce-Esquivel, A. A. (2016, November). Aging and Physical Activity: Healthy Aging. International Congress of Physiological Sciences: "Oxidative Stress in Pathophysiological Processes." Arequipa - Peru: School of Medicine - National University of San Agustin of Arequipa - Peru. The Peruvian Society of Physiological Sciences. CIENCIACTIVA - CONCYTEC. Peruvian University Cayetano Heredia, Lima - Peru.
- Arce-Esquivel, A. A. (2017, May). Physical Activity and Diet to Treat Diabetes. Second International Symposium in "Healthy Lifestyle: Nutrition, Exercise, and Prevention of Chronic Diseases." Lima - Peru: The Faculty of Health Sciences - San Ignacio of Loyola University, Lima - Peru.



- Universidad San Ignacio de Loyola (USIL).
- Ballard, Joyce E.; and Arce-Esquivel, Arturo A. (May 2017). Effects of Resistance Training on Physical Exercise Capacity and Vascular Function among Elderly Women. Presented at the annual meeting of the American College of Sports Medicine, Denver, CO
- Dong, X. N. (2016, October). Effects of fatigue on reducing quadriceps inhibition in athletes with anterior cruciate ligament (ACL) reconstruction. 8th International Conference on Osteoporosis and Bone Research 2016 (ICOBR 2016). Chongqing, China: Chinese Society of Osteoporosis and Bone Mineral Research.
- Dong, X. N. (2017, January). A portable EMG-Based biofeedback system to alleviate chronic neck pain. National Science Foundation Smart & Connected Health Workshop. The University of Texas at Tyler: National Science Foundation (NSF) through the Smart and Connected Health Program.
- Dong, X. N., Kirby, M., & Wang, X. (2017, March). Application of 3D digital trabecular bone model in validating the efficacy of DXA in extracting information on trabecular architectures: a pilot study. Annual Meeting of Orthopaedic Research Society. San Diego, California: Orthopaedic Research Society.
- Francis, J. (2016, September). Human Milk Composition. Principles of Lactation Management. San Antonio, TX: Texas Department of Health and Human Services.
- Francis, J. (2016, November). Lactation Physiology. Principles of Lactation Management. Houston, TX: Texas Department of Health and Human Services.
- Francis, J. (2017, January). Human Milk Composition. Principles of Lactation Management. Round Rock, TX: Texas Department of Health and Human Services.
- Francis, J. (2017, Spring). Lactation Physiology. Principles of Lactation Management. Fort Worth: Texas Department of State Health Services.
- Francis, J. (2017, May). Updates on Human Milk Composition. Principles of Lactation Management. Amarillo, TX.
- Francis, J. (2017, May). Biomechanics of Human Milk Transfer – What DO We Know? New Horizons in Lactation. San Antonio, TX: United States Lactation Consultants Association.
- Francis, J. (2017, July). Update - Human Lactation Anatomy and Physiology. Principles of Lactation Management. Nacogdoches, TX: Texas Department of State Health Services.
- Francis, J. (2017). Development of a Class II Medical Device: Ideation through Production (or the AH HA moment). National Science Foundation Smart & Connected Health Workshop. Tyler, TX.
- Lowe, T., Zhang, Q., & Dong, X. N. (2017, May). Fatigue as a rehabilitation strategy to reduce quadriceps inhibition following anterior cruciate ligament (ACL) reconstruction. ACSM's 64th Annual Meeting. Denver, Colorado: ACSM.
- Njororai Simiyu, W. W., Njororai, F. J., Lerma, L., & Foerster, A. (2016). Student Active Engagement in Blended Health and Kinesiology Courses. 93rd TAHPERD Convention. Galveston, Texas: TAHPERD.
- Njororai Simiyu, W. W., Njororai, F. J., & Munayi, S. (2016, September). Enhancing Soft Skill acquisition through Experiential Learning. 9th KESSA CONFERENCE. Atlanta: KESSA.
- Njororai Simiyu, W. W., Abala, I. J., Gatua, M., & Wamwara, W. (2016, September). Vision, mindset and legacy of selected mothers from Kenya. 9th KESSA Conference. Atlanta: KESSA.
- Njororai Simiyu, W. W. (2017, April). Career and life benefits of undergraduate research experience. Keynote address to the Arkansas State Undergraduate Research Symposium, April 14 and 15, 2017. Henderson State University, Arkadelphia: HSU.
- Njororai Simiyu, W. W. (2017, May). Configurations of Africa's Track and Field Migration. University of California Berkeley: Africa- European Union Migration Workshop, May 9-10, 2017. UCB: Center for African Studies.
- Njororai Simiyu, W. W. (2017, May). Eleven tips on successful transitioning and graduating from college. Health Science Students, Jacksonville High School. University of Texas Health North East.
- Njororai Simiyu, W. W. (2017, June). Emerging Issues in Sports Management. Kenya Universities Sports Association Seminar. Kaimosi Friends University College: KUSA.
- Njororai Simiyu, W. W. (2017, June). Keep your eyes on the ball. Inspiring the Youth Initiative, Kaptanai, June 8th 2017. Kaptanai High School: Kaptanai High School Board of Governors.
- Njororai Simiyu, W. W. (2017, June). Prioritizing and Pursuing Academic Success. Inspiring the Youth, Kimabole Primary School, June 14th 2017. Kimabole Friends Primary School: Board of Governors.
- Njororai Simiyu, W. W. (2017, June). Teachers as pillars for students' academic success. Teachers' Seminar, Kimabole Friends Primary School, June 14th 2017. Kimabole Friends Primary School: Board of Governors.
- Stratton, J., Fisher, S., Cooper, C., & Sorensen, W. (2017, Mar. 27-29). Unusual TB clusters in

- northeast Texas. Presented at Texas Public Health Association annual conference, Fort Worth, TX.
- Thomas BP, Tarumi T, Sheng M, Tseng BY, Womack K, Cullum MC, Zhang R, and Lu H. One-Year Aerobic Exercise Increases Regional Cerebral Blood Flow in Anterior Cingulate Cortex: A Blinded, Randomized Trial in Patients with Amnesic Mild Cognitive Impairment. Platform presentation. International Society of Magnetic Resonance in Medicine 25th Annual Meeting, Honolulu HI, April 2017.
- Tseng, B. (2017, February). Get Up, and Heart Your Heart! The 3rd Annual Evidence-Based Practice Conference. Tyler, TX: Interprofessional Evidence-Based Practice Conference.
- Wiggs, M.P., A role for mitochondria in the progression and treatment of muscle wasting associated with cancer – Texas ACSM Conference. Waco, TX. February 2017

### Reviews

- Njororai Simiyu, W. W. (2016). Administrative ineptitude threatens to hobble Kenya's track and field athletes. The Conversation. <http://theconversation.com/administrative-ineptitude-threatens-to-hobble-kenyas-track-and-field-athletes-64347>
- Njororai Simiyu, W. W. (2017). African footballers face an allegiance problem: country versus club. The Conversation. [http://theconversation.com/african-footballers-face-an-allegiance-problem-country-versus-club-71634#comment\\_1191894](http://theconversation.com/african-footballers-face-an-allegiance-problem-country-versus-club-71634#comment_1191894)
- Njororai Simiyu, W. W. (2017). Kenya runs the risk of an Olympic ban, thanks to boardroom power games. The Conversation. <http://theconversation.com/kenya-runs-the-risk-of-an-olympic-ban-thanks-to-boardroom-power-games-74996>

### Funded Grants

- Sorensen, William. Enhanced Surveillance of Leishmania Diseases, Texas Department of State Health Services (March 1, 2017), USD \$207,830.
- Sorensen, William. Testing for Soil Transmitted Helminths, Texas Department of State Health Services (March 1, 2017), USD \$68,336.
- Wang, Yong Tai. Wheelchair Tai Chi Ball Training Program for People with Spinal Cord Injury, Paralyzed Veterans of America (June 1, 2017), USD \$50,000.





## Chapters

Hartzell, T., & Fineout-Overholt, L. E. (2016). The Evidence-based Practice Competencies related to Searching for Best Evidence. In Melnyk, Gallagher-Ford, & Fineout-Overholt's *Implementing the Evidence-Based Practice (EBP) Competencies in Healthcare: A Practical Guide for Improving Quality, Safety, and Outcomes* (pp. pp. 55–76). Indianapolis, IN: Sigma Theta Tau International.

## Journal Publications

- Abel, W. M., Joyner, J. S., Cornelius, J. B., & Greer, D. B. (2017). "Self-care Management Strategies used by Black Women Who Self-report Consistent Adherence to Antihypertensive Medication" Patient Preference and Adherence, 2017(11), 1401–1412. Doi:10.2147/PPA.S138162.
- Abel, W. M., & Greer PhD, D. B. (2017). Spiritual/Religious Beliefs and Medication Adherence in Black Women with Hypertension. *The Journal of Christian Nursing*, 34(3), 164–169. doi:10.1097/CNJ.0000000000000333.
- Amason, J. S., Lee, S. Y., Adudd, K., Hewell, S., & VanBrackle, L. (2016). Pilot feasibility study of an educational intervention in women with gestational diabetes. *Journal of Obstetrics, Gynecology, and Neonatal Nursing*, 45, 515–527.
- Arce-Esquivel, A. A., Ballard, J. E., Haas, B. K., Hermanns, M. L., Rizer, C. A., Gary, K. T., & Wang, Y. T. T. (2016). Effect of Tai Chi on Vascular Function among Patients with Peripheral Neuropathy. *Journal of Heart and Cardiology*, 2(4), 1–7.
- Aycock, D., Clark, P., Thomas-Seaton, L., Lee, S. Y., & Moloney, M. (2016). Simple Tools to facilitate project management in nursing research. *Western Journal of Nursing Research*, 39(3), 430–443.
- Carrasco, R. J., & Hudson, K. (2017). Nursing student engagement: Taking a closer look. *Open Journal of Nursing*, 7(2), 193–201. Doi:10.4236/ojn.2017.72017.
- Chilton, J., & Alfred, D. (2017). An Evidence-Based Educational Intervention to Improve Personal Emergency Preparedness of Nursing Students. *Nurse Educator*, 42(4), 212–216. doi:10.197/ NNE.0000000000000341.
- Cooper, C. M., Sorensen, W., & Yarbrough, S. P. (2017). Visualizing the health of Communities: Using Photovoice as a Pedagogical Tool in the College Classroom. *Health Education Journal*, 76(4), 454–466.
- Fineout-Overholt, L. E., & He, Z. (2017). Research 101: Forest plots. *American Nurse Today*, 12(5).
- Gipson, C. S. (2017). Triggers and their Influence on Health Behaviors. *Creative Nursing*, 23(2), 82–87.
- Greer, D. B., & Abel, W. M. (2017). Religious/Spiritual Coping in Older African American Women. *The Qualitative Report*, 22(1), 237–260. <http://nsuworks.nova.edu/tqr/vol22/iss1/13>
- Haas, B. K., Hermanns, M. L., & Kimmel, G. (2016). Exercise supplement - Incorporating exercise into the cancer treatment paradigm. *Clinical Journal of Oncology Nursing*. *Clinical Journal of Oncology Nursing*, 20(6), S17–S24.
- Harmon, C.S. & Parker, C.D. (2017). Selecting a graduate degree in informatics. *Journal of Informatics Nursing*, 2(4), 23–25.
- Hermanns, M., Deal, B., Campbell, A., Hillhouse, S., Opella, B., Faigle, C., & Campbell, R. H. (2017). Riddle me this: An escape room approach for pharmacology review. *Journal of Nursing Education and Practice*, 8(4), 89–95.
- Hsu, H. C., Lee, S. Y., Lai, C. M., Tsai, W. I., & Chiu, H. T. (2016). Effects of pediatric anticipatory guidance on mothers of young children. *Western Journal of Nursing Research*, DOI: 10.1177/0193945916681292.
- Kimmel, G. T., Haas, B. K., & Hermanns, M. L. (2016). The role of exercise in cancer treatment: Bridging the gap. *Translational Journal of the American College of Sports Medicine*, 1(17), 152–158.
- Kimzey, M., Mastel-Smith, B., & Alfred, D. (2016). The impact of educational experiences on nursing students' knowledge and attitudes toward people with Alzheimer's disease: A mixed method study. *Nurse Education Today*, 46, 57–63.
- Lilly, M. L., Hermanns, M. L., & Crawley, B. (2016). Clinical Simulation in Psychiatric Mental Health



- Nursing: Post-Graduation Follow-Up. *Journal of Psychosocial Nursing*, 54(10), 40–46.
- Lin, C. N., & Mastel-Smith, B. (2016). Cultural competence in Taiwan health care and society: Rationale for and state of the science. *Online Journal of Cultural Competence in Nursing and Healthcare*, 6(1), doi: 10.9730/ojccnh.org/v6n1a9.
- Marzilli, C., & Mastel-Smith, B. (2017). Cultural competence of pre-licensure nursing faculty. *Journal of Nursing Education and Practice*, 7(9), 90–98. Doi:10.5430/jnep.v7n9p90.
- Marzilli, C. (2016). A review of cultural competence in healthcare. *Researchers World: Journal of Arts, Sciences, and Commerce*, 7(4), 45–49.
- Marzilli, C. (2016). Assessment of cultural competence in Texas nursing faculty. *Nurse Educator Today*, 45(10), 225–229. doi: 10.1016/j.nedt.2016.08.021
- Marzilli, C. (2016). Concept analysis of value. *International Journal of Recent Advances in Multidisciplinary Research*, 3(11), 1919–1921.
- Marzilli, C. (2016). Cultural competence in nursing students. *IOSR: Journal of Nursing and Health Science*, 5(5), 59–62.
- Mastel-Smith, B., & Yarbrough, S. P. (2017). A Reflexive Exercise to Promote Cultural Humility among Doctoral Nursing Students. *Journal of Nursing Education and Practice*, 7(5), 68–76. DOI: 10.5430/jnep.v7n5p68
- Mastel-Smith, B., Tracy, N., & Caruso, K. C. (2016). Addressing future demands: Development of an online gerontological nursing course. *Geriatric Nursing*, 37(5), 404–407.
- Melnyk, B., Fineout-Overholt, L. E., Giggelman, M., & Choy, K. (2017). A Test of the ARCC© Model Improves Implementation of Evidence-Based Practice, Healthcare Culture, and Patient Outcomes. *Worldviews on Evidence-Based Nursing*, 14(1), 5–9. Doi:10.1111/wvn.12188.
- Purdum, M., Petersen, S., & Haas, B.K. (2017). Results of an Oncology Clinical Trial Nurse Role Delineation Study. *Oncology Nursing Forum*, 44(5), 589–595. doi: 10.1188/17.ONF.589-595.
- Rath, L. L., Hermanns, M. L., Ballard, J., & Haas, B. K. (2017). Perceptions of older women with cancer participating in an exercise program: A mixed methods pilot study. *Journal of Research in Nursing (special Edition)*, 22(4), 264–279. <https://doi.org/10.1177/1744987117698196>
- Rizer, C. A., & Lusk (Crisp), M. D. (2017). Screening and Management of Alcohol Misuse in Primary Care: What Every PCP Should Know. *Journal for Nurse Practitioners*, 13(10), 660–666.
- Wang, Y. T., Lee, S. Y., Zhong, Y., Li, Z., Chen, S., & Chen, Y. P. (2016). Effects of wheelchair Tai Chi on physical and mental health among elderly with disability. *Research in Sports Medicine*, 24, 157–170.
- Yarbrough, S., Martin, P., Alfred, D. & McNeill, C. (2017). Professional values, job satisfaction, career development, and intent to stay. *Nursing Ethics*, 24(6), 675–685. doi:10.1177/0969733015623098
- Yarbrough, S. P., Haas, B. K., Northam, S. J., Duke, G., & Wieck, K. L. (2016). Role overload theory as a framework for nurse educators to optimize graduate students' learning environment. *Journal of Nursing Education and Practice*, 6(12), 105–112.
- Zeleníková, R., Gurková, E., Tomagová, M., Jarošová, D., & Fineout-Overholt, E. (2016). Psychometric Properties of the Slovak and Czech Versions of the Evidence-Based Practice Beliefs and Implementation Scales. *Worldviews on Evidence-Based Nursing*, 13(2), 139–152. <https://www.ncbi.nlm.nih.gov/pubmed/26840010>
- Zhang, X., Du, L.P., Lee, Shih-Yu, Cui, C., Chen, L. Zhang, Y. (2017, in Chinese). Reliability and validity of the Chinese version of 2011ISMP medication safety self assessment for hospital. *Chinese Journal of Hospital Pharmacy*, 37, 21092112.
- Zhang, X., Lee, S. Y., Chen, J., & Liu, H. (2016). Factors influencing implementation of developmental care among NICU nurses in China. *Clinical Nursing Research: An International Journal*, 25(3), 238–253.
- Zhang, X., Lee, S. Y., Chen, J., & Liu, H. (2017). Neonatal ICU System Safety: a Pilot Test for Medication Error by Using Fuzzy Grey Relational Analysis. *Journal of Nursing Care Quality*, 32(3), 259–266. DOI: 10.1097/NCQ.0000000000000236.

## Other

- Rath, L. L. (2016). NANN CNENow! Evaluation of Cardiac Murmurs in the Newborn. National Association of Neonatal Nurses. (CNE module) <http://apps.nann.org/Store/ProductDetails.aspx?productid=37060462>
- Wang, Y. T., Huang, G., Duke, G., & Yang, Y. (2017). Editorial: Tai Chi, Yoga, and Qigong as Mind-Body Exercises. *Evidence-Based Complementary and Alternative Medicine*. Doi:10.1155/2017/8763915



## Other Teaching Materials

- Hermanns, M. L. (2017). Body Mechanics for Caregivers. Educational Pamphlet for the Parkinson's Foundation.
- Hermanns, M. (2017). Emergency Caregiving Plan. Educational Pamphlet. National Parkinson Foundation website (invited).

## Poster Presentations

- Doolin, J., Vilches, J. E., Cooper, C. M., Gipson, C., & Sorensen, W. (2016, September). Stress and sleep among undergraduate university students, across two different cultures. Texas Public Health Association Annual Conference, Fort Worth, TX.
- Gipson, C., & Williams, M. K. (2017, Spring). Colorectal Cancer Prevention and Early Detection Screening Education Greater East Texas. 1st Annual Service-Learning Showcase.
- Gipson, C., Williams, M. K., & Lowe, A. (2017, Spring). East Texas Medical Dental Outreach Service Learning Project. 1st Annual Service-Learning Showcase.
- Haas, B. K., & Hermanns, M. L. (2017). Exercising the Day of Chemotherapy for Women with Breast Cancer: Preliminary Results of a Randomized Controlled Trial. Southern Nurses Association 31st Annual Conference. Dallas, Texas.
- Haas, B. K., & Hrabe, D. (2017, Spring). NEXus 3.0: Facilitating Innovative Academic Connections. 50th Annual Western Institute of Nursing Conference. Denver, CO: Western Institute of Nursing.
- Kommenich, P., Velasquez, D., Haas, B. K., & Hrabe, D. P. (2017, Spring). NEXus: Leading the Vision for Intraprofessional Education and Research Collaboration. Western Institute of Nursing 50th Annual Conference. Denver, CO: Western Institute of Nursing.
- Miller, C., Duke, G., Stoklosa, H., Panda, C., Fix, M., & Chisholm-Straker, M. (2017, Summer). Developing Healthcare Provider Education Programs on the Provision of Care to Trafficked Persons. Sigma Theta Tau Research Conference. Dublin, Ireland: STTI.
- Strout, K. R., & Verklan PhD, CCNS, RNC, FAAN, M. T. (2017). A Proposed Study to Test the Effects of RN-Led Diabetic Foot Care Education on Self-Identification of Risk for Diabetic Foot Ulcer, Diabetic Foot Care Behaviors, and Diabetic Foot Risk Assessments among Adults with Diabetes Mellitus Experiencing Homelessness. International Conference on Nursing Science & Practice. Double Tree by Hilton Hotel Dallas DFW Airport North Irving, TX USA: United Scientific Group.

## Presentations

- Chang, P.Y., Lee, S.Y., Wang, H.P., Yu, J.M. (June, 2017). Stress and stress-related symptoms among Taiwanese primary family caregivers in intensive care units. AASM & SRS, Boston, MA.
- Chilton, J., Haas, B., & Clayton, M. (2017, February). Scripted Scenarios to Facilitate Applications of Responsible Research Conduct for PhD/DNP Students. SNRS Annual Conference. Dallas: Southern Nursing Research Society.
- Chilton, J., Haas, B. K., & Clayton, M. (2017, Spring). Using Simulation to Teach Responsible Research Conduct for PhD/DNP Students through Simulation and Collaboration. 38th Annual Southern Nursing Research Society Conference. Dallas, TX: Southern Nursing Research Society.
- Cowart, T. W., Dubre, V., Brown, F., & Duke, G. (2017, Spring). Using Student Video Competition to Promote Ethics Across the Curriculum: Academy of Collegiate Ethics (ACE). Association for Practical and Professional Ethics. Dallas, TX: APPE.
- Duke, G. End of Life Care: Pain Management, CTMFH, May 8, 2017
- Duke, G. (2016, Autumn). EOL Care: Important Considerations, Ethics and Pain Management. CTMFH Nurse Residency Program.
- Duke, G. (2016). EOL Care: Important Considerations, Ethics and Pain Management. (3 hrs). TMFH Nurse Residency Program. TMFH: TMFH.
- Fineout-Overholt, L. E. (2016, September). Redefining Practice with Evidence: "What's the Point?" Houston Methodist 2016 Evidence-Based Practice Symposium "Redefining Practice with Evidence." Houston Methodist, Houston, TX: Houston Methodist Medical System.
- Haas, B.K. & Hrabe, D.P. NEXus 3.0: Facilitating Innovative Academic Connections. Western Institute of Nursing 50th Annual Conference. April 2017, Denver CO.
- Hsu, Y.Y., Lee, S.Y., Liu, C.Y., Wang, M.C. (June, 2017; presenter). Sleep, fatigue, and depressive symptoms among gynecological cancer postsurgical treatment patients in Taiwan. AASM & SRS, Boston, MA.
- Hsu, H.C., Lee, S.Y., Lai, C.M., Tsai, W.L., Chiu, H.T. (June, 2017; presenter). Linking stress to parenting competence among Taiwanese mothers of preterm infants: the mediating role of sleep. American Academy of Sleep Medicine and the Sleep Research Society (AASM & SRS), Boston, MA.

- Hsu, H.C., Lee, S.Y. (June, 2017; presenter). Sleep and psychological distress: a cross-cultural analysis comparing American and Taiwanese mothers of low-birth-weight preterm infants. AASM & SRS, Boston, MA.
- Greer PhD, D. B. (2017). 3rd Annual Interprofessional Evidence-Based Practice Conference. 3rd Annual Interprofessional Evidence-Based Practice Conference. Green Acres Baptist Church Crosswalk Center: STT, UTHealth Northeast, ATI, Texas Nurses' Association, Christus TMF/UT Tyler.
- Hermanns, M. L., & Haas, B. K. (2017, Spring). Engaging Persons with Parkinson's Disease in Physical Activity using Activity Trackers and an Online Support Group: A Feasibility Study. Beta Alpha Chapter of Sigma Theta Tau. Texas Christian University.
- Kommenich, P., Velasquez, D., Haas, B.K. & Hrabe, D.P. NEXus: Leading the Vision for Intraprofessional Education and Research Collaboration. Western Institute of Nursing 50th Annual Conference. April 2017, Denver CO.
- Lee, S.Y., The new trend of sleep research (June, 2017). School of Nursing, Harbin Medical University, Daqing, P.R. China.
- Lee, S.Y., Health care for elderly-revisit the important of sleep in elderly (June, 2017). School of Nursing, Harbin Medical University, Daqing, P.R. China.
- Lee, S.Y., Sleep problems in nurse shift workers (January 2017). School of Nursing, Peking Union Medical College, Beijing, P.R. China.
- Lee, S.Y., Strategies to develop research proposal (January 2017). School of Nursing, Peking Union Medical College, Beijing, P.R. China.
- Lee, S.Y., Infant developmental care- a focus on preterm infant. (January 2017). Yuanlin Christian Hospital, Yuanlin, Taiwan
- Lee, S.Y., Wang, H.P., Alfred, D. (June, 2017; presenter). Circadian activity rhythms and sleep among Chinese college students. AASM & SRS, Boston, MA.
- Lusk, M. D., Reveles, K., & Upton, S. (2016, September). Sports Participation Exams: Before During & After the Game. Texas Nurse Practitioner's 28th Annual Conference. San Antonio, Texas.
- Marzilli, C. (2017, Spring). Online service-learning, cultural awareness, learning outcomes, and student satisfaction. 31st Annual Conference of the Southern Nursing Research Society (SNRS). Dallas, Texas: Southern Nursing Research Society (SNRS).
- Marzilli, C., & Crisp, M. D. (2017, February). Using strengths to leverage nursing doctoral students' potential. 31st Annual Conference of the Southern Nursing Research Society. Dallas, TX: Southern Nursing Research Society.
- Mastel-Smith, B. (April, 2017). A reflexive exercise to promote cultural humility among doctoral students. Cultural Inclusion Institute. Panel Presentation. The University of Texas at San Antonio School of Nursing. San Antonio, TX.
- Mastel-Smith, B. (2016, Autumn). Culture's Influence on Health. REACH 25. Longview, TX: East Texas Council of Governments' Area Agency on Aging.
- Mastel-Smith, B., Wexler, S., Ennen, K., & Cathy, E. (2016, Autumn). Re-visioning NGNA's Resarcn & Education Committee. National Gerontological Association Annual Conference. Indianapolis, Indiana: National Gerontological Association.
- Miller, C., Duke, G. Developing Healthcare Provider Education Programs on the Provision of Care to Trafficked Persons, Poster, Sigma Theta Tau, Int., Summer 2017
- Parker, C.D. (April 2017). Supporting Clinicians' Cognitive Workload – Technology's Role. Heart of America Chapter of the American Nursing Informatics Association (ANIA), Kansas City, MO.
- Petersen, S. (2017) The PARO Robotic Pet Seal: A Treatment Modality for Symptoms of Anxiety and Depression in Dementia. the 31st SNRS Annual Conference; Addison, TX.
- Petersen DNP, APRN, FNP/GNP-BC, PMHNP, S. (2016, Winter). Preconference AACN Presentation: The Virtual Medical Home: New Solutions for "Connectedness" in Healthcare. American Association of Colleges of Nursing: Doctoral Education Conference. Naples Grand Resort, Naples, Florida: AACN.
- Preston, A., & Gipson, C. (2017, Summer). A New Path for Student Engagement: PlayPosit. TJC Distance Learning Conference. TJC Campus: East Texas Nursing Consortium.
- Rizer, C. A., & Crisp, M. D. (2016, Autumn). Rebooting Your Brain: The Mindful Minute. Texas Nurse Practitioners. Grand Hyatt Hotel, San Antonio, Tx.: Texas Nurse Practitioners.
- Rizer, C., & Lusk, M. D. (2016, Autumn). Screening and Management of Alcohol Misuse in Primary Care: What Every NP Should Know. Texas Nurse Practitioner's 28th Annual Conference. San Antonio, Texas.
- Yarbrough, S. P., Martin, P., & Alfred, D. (2016). Changing of the Guard: Preserving Research Instrument Accessibility. Sigma Theta Tau International, Leadership Connection. Indianapolis, IN: Sigma Theta Tau International.
- Zhang, X., Lee, S.Y., Lui H.H., Liu, H.P. (June, 2017; presenter). Explore influencing factors of sleep



# SCHOOL OF NURSING *continued*

disturbances among nurses in China by using back-propagation neural network model. AASM & SRS, Boston, MA.

## Proceedings Publications

Greer PhD, D. B. (2017). Millennial Students and Digital Distractions -Proceedings Panelist. In The Center for Teaching and Learning Excellence-Town Hall /Millennial Students and Digital Distraction.

## Funded Grants

- Fineout-Overholt, Ellen. Faculty and Employer Perceived Importance of Quality and Safety Competencies (FEQSC) for Newly Graduated Registered Nurses, Sigma Theta Tau International Honor Society of Nursing (June 1, 2017), USD \$4,219.
- Hermanns, Melinda. Engaging Persons with Parkinson's Disease in Physical Activity Using Activity Trackers and Online Social Media: a Feasibility Study, Sigma Theta Tau International Honor Society of Nursing, Beta Alpha Chapter (April 6, 2017), USD \$2,960.
- Rizer, Carol. Advanced Nursing Education Workforce, Health Resources & Serviced Administration (July 1, 2017), USD \$1,399,800.
- Rizer, Carol, PI; Petersen, S.; Roberts, A., McInnis, A.; Crisp, M. Schlemmer, T.; Oliver, A. NTUNE: An Academic-Practice Partnership Providing Immersive Clinical Traineeships in Diverse Populations for Primary Care Nurse Practitioners. June 2017-2019; HRSA: \$1.4 million
- Wang, YT. Goh, C. H., Liao, T. Wheelchair Tai Chi Ball Training Program For People With Spinal Cord Injury; PVA Education Foundation Grant; Awarded June 2017 for June 1, 2017 – May 31, 2018: \$50,000.

# THE BEN AND MAYTEE FISCH COLLEGE OF PHARMACY

The Ben and Maytee Fisch College of Pharmacy was established in fall 2013 with the mission to advance the public health and wellness of the citizens of East Texas and beyond through innovation and collaboration in pharmacy, education, scholarship, and advocacy. In fall 2015, the pioneer class of 82 students was enrolled and the faculty began delivering an integrated curriculum using an innovative pedagogy that emphasizes communication, critical thinking, and teamwork. Students embraced the team-based learning method of teaching as it offered greater engagement during class and the opportunity to work in student teams to solve real-world problems.

Two departments are the academic components of the Fisch College of Pharmacy. The Department of Pharmaceutical Sciences, chaired by Dr. Rahmat Talukder, consists of eight faculty members with scholarship interests ranging from novel drug delivery systems to team-based learning through virtual reality. The Clinical Sciences Department is chaired by Dr. Brad Brazill and consists of 15 faculty members and continues to grow. Areas of practice specialty are varied to meet the needs of the students and patients in East Texas. Scholarship interests include clinical trials design, health literacy, antibiotic stewardship and a host of other topics.

The Fisch College of Pharmacy is housed in the award-winning W.T. Brookshire Hall which offers leading edge technology in an elegant and comfortable setting. Classrooms are specifically designed to facilitate cooperative learning as faculty facilitate discussions amongst student teams. With faculty offices, classrooms, and laboratories at the center of each floor, the building's design encourages interactions between faculty and students which reinforces the student-focused approach to the Doctor of Pharmacy program.

Although a great amount of the faculty's time and effort has been spent on establishing the College, crafting policies, and developing a creative and impactful curriculum, faculty have also been active in advance research and scholarship in the pharmaceutical and clinical sciences. In 2018, the Fisch College of Pharmacy will complete construction of over 4500 sf of new research space designed for collaborative, interprofessional research.





# CLINICAL SCIENCES

## Journal Publications

- Sharpton R, Condren M, O'Neal K, Lloyd A, McIntosh H. (2017). Do cystic fibrosis patients on azithromycin need electrocardiogram monitoring? Pulmonary Pharmacology Therapeutics 43(4), 55-56.
- Sharpton R, Laucka P, McKeller R, Dangler M, Horne J, Dangler J. (2017). The Impact of Obesity on the Efficacy of Simvastatin for Lowering Low-Density Lipoprotein Cholesterol in a Veteran Population. Federal Practitioner 34(3), 41-44.

## Presentations

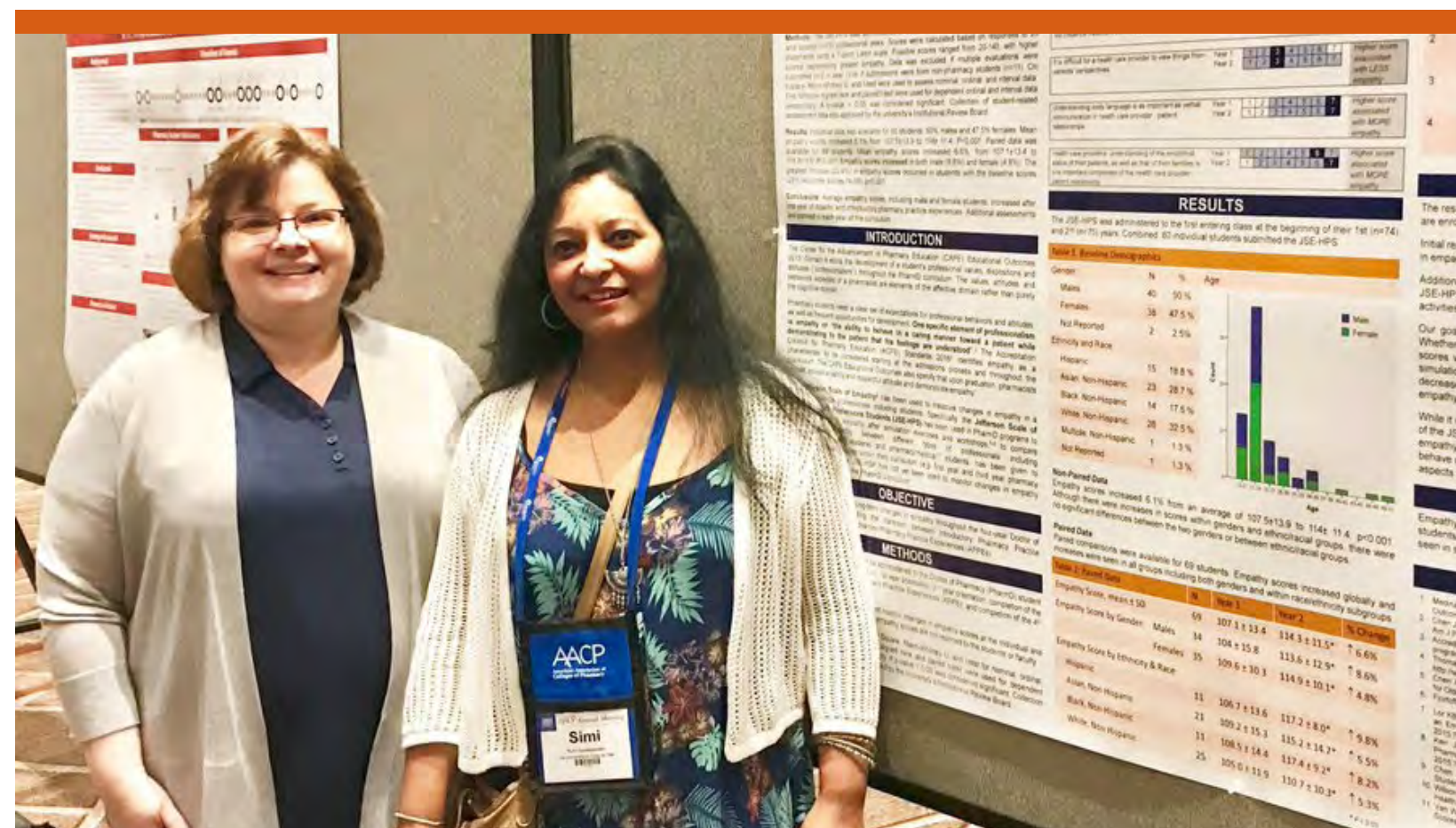
- Cho J. (2017, August) Levofloxacin and ceftriaxone: should they be used in combination for the treatment of community-acquired pneumonia? Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, June) Administering antibiotics via IV push. Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, May) Penicillin skin testing and implications for use. Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, April) New kids on the block: Ceftolozane/tazobactam (Zerbaxa) and Ceftazidime/avibactam (Avycaz). Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, March) CLSI breakpoints and clinical decision-making. Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, March) Oritavancin (Orbactiv) for the treatment of acute bacterial skin and skin structure infections. Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, March) Dalbavancin (Dalvance) for the treatment of acute bacterial skin and skin structure infections. Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, February) Sexually transmitted diseases and antimicrobial treatment options. Cherokee Public Health Clinic. Jacksonville, TX.
- Cho J. (2017, February) Antibigram updates and interpretation. Longview Regional Medical Center. Longview, TX.
- Cho J. (2017, January) Techniques and implications for antimicrobial stewardship. Longview Regional Medical Center. Longview, TX.
- Cho, J. (2017, January) Extended infusion of antimicrobials. Longview Regional Medical Center. Longview, TX.
- Cook E, O'Neal K, Miller M, Lloyd A, Chalmers L. (2016, December) Gap analysis of metformin prescribing following revised FDA recommendations for use. 51st Midyear Clinical Meeting of the American Society of Health-System Pharmacists. Las Vegas, NV.
- Cook E, O'Neal K, Miller M, Lloyd A, Chalmers L. (2017, May) Gap analysis of metformin prescribing following revised FDA recommendations for use. Oklahoma Society of Health-System Pharmacists Resident Research Symposium. Oklahoma City, OK.
- Cook E, Gill T, Taylor S. (2016, May) Unit equivalency of insulin glargine to insulin detemir. Midwest Pharmacy Residents Conference. Omaha, NE.
- Cook E. (2017, February) Parkinson disease psychosis. University of Oklahoma Health Sciences Center. Tulsa, OK.
- Cook E. Lonabaugh K. (2016, November) Pharmacological therapy of asthma. Tulsa Technology Center. Tulsa, OK.
- Cook E. (2016, December) Pharmacologic Management of Conjunctivitis in Pediatric Patients. University of Oklahoma Pediatrics Clinic Medical Residency Program. Tulsa, OK.
- Parmentier B. (2017, January) Pharmacist's Role in Substance Use Disorders. Tyler Independent School District Career and Technology Center Health Sciences Class. Tyler, TX.
- Parmentier B. (2017, January) Marijuana and Synthetic Marijuana. Tyler Independent School District Career and Technology Center Health Sciences Class. Tyler, TX.
- Parmentier B. (2017, April) Generation Rx. Kilgore Middle School. Kilgore, TX.
- Parmentier B. (2017, December) Substance Use Disorders. Boy Scout Troop 333. Tyler, TX.
- Sharpton R. (2017, March) Medication reconciliation and pharmacist collaboration. Family Circle of Care medical providers. Tyler, TX.
- Sharpton R, Condren M, O'Neal K, Lloyd A, McIntosh H. (October 2016) QTc interval monitoring for chronic azithromycin therapy in patients with cystic fibrosis. North American Cystic Fibrosis Conference. Orlando, FL.
- Shoar OA. (2016, October) Deprescribing Medications in Older Patients: Priorities, Challenges, and Barriers, 25th Annual Regional Education on Aging, Caregiving, and Healthcare (REACH) Conference. Longview, TX.

# CLINICAL SCIENCES *continued*

- Conference. Longview, TX.
- Snella, K. A. (2016, September). Reimbursement Options for Pharmacy Services: Focus on Health Systems. East Texas Society of Health-System Pharmacists. Tyler, TX: East Texas Society of Health-System Pharmacists.
- Wooster J. (2017, August) Medication education: reducing avoidable readmissions effectively (M.Ed.: R.A.R.E.) Texas Pharmacy Association: Greater East Texas Pharmacy Association (GEPTA) meeting; Tyler, TX.
- Yu F. (2017, May) Team-Based Learning Comes to Texas Christian University, presented to faculty and course design staff. Texas Christian University, Fort Worth, TX

## Poster Presentations

- Snella KA, Gunaseelan S, Yu F, Coyne L, Takemoto JK. (2017, July) Use of the Jefferson scale of empathy to assess professional development in the Pharm.D. Curriculum. AACP Annual Meeting. Nashville, TN.





# PHARMACEUTICAL SCIENCES

## Journal Publications

- Castroagudin, M.R., Zhai, Y., Li, Z., Marnell, M.G., Glavy, J.S. (2016) Cyto-3D-Print to Attach Mitotic Cells. *Cytotechnology*, 68 (4) 1641-1645.
- Hoelz, A., Glavy, J.S.\*, Beck, M. (2016) Towards the Atomic Structure of the Nuclear Pore Complex: When Top Down Meets Rock Bottom Up. *Perspective, Nature Structural & Molecular Biology*, 23(7):624-30. PMID: 27273515
- Kosinski, J., Mosalaganti, S., Von Appen, A., Teimer, R., DiGuilio A.L., Wan, W., Bui, K.H., Andres-Pons, A., Hagen, W., Briggs, J.A.G., Glavy, J.S., Hurt, E., Beck, M. (2016) Molecular architecture of the inner ring scaffold of the human nuclear pore complex *Science*, 352(6283):363-5. PMID: 27081072
- Islam, M.A., Khan, S.A., Talukder, R. Status of Physiology Education in US Doctor of Pharmacy programs. *Advances in Physiology Education*, 2016; 40(4):501-508.
- Islam, M.A., Chen, G., and Talukder, R. Specialty Tracks in Pharm.D. Curricula of US Colleges and Schools of Pharmacy. *Currents in Pharmacy Teaching and Learning*, 2016; 8(6):774-781.
- Islam, M.A., Khan S.A., Gunaseelan, S., and Talukder, R. (2016). Specialty education for student pharmacists and Pharm.D. graduates in US Colleges and Schools of Pharmacy. *Currents in Pharmacy Teaching and Learning*. 2016; 8:184-190.
- Takemoto, J. K., Miller, T. L., Wang, J., Jacobson, D. L., Geffner, M. E., Van Dyke, R. B., & Gerschenson, M. (2017). Insulin Resistance in HIV-Infected Youth is Associated with Decreased Mitochondrial Respiration. *AIDS* (London, England). 2017:31 (1):15-23. Doi: 10.1097/QAD.0000000000001299.
- Talukder, R. M. et al. (2016). Integration of Basic and Clinical Science Courses in US PharmD Programs. *American Journal of Pharmaceutical Education*, 80(10), 1–11. Doi: 10.5688/ajpe8010166.

## Other

- Takemoto, J. K. (2017). Drug Development. Team-Based Learning Collaborative. <http://www.tbldadmin.org/modulebank/webpages/takemoto.html>

## Poster Presentations

- Pearson, D. N., Pearson, A., & Takemoto, J. K. (2017, May). TBL Dungeon Master: Their Role in the Biochemistry Classroom. 6th International Association of Biochemistry Educators Conference: Teaching Biochemistry to Students of Dentistry, Medicine, and Pharmacy. Clearwater Beach, FL: Association of Biochemistry Educator.
- Snella, K. A., Gunaseelan, S., Yu, F., Coyne, L., & Takemoto, J. K. (2017, July). Use of the Jefferson Scale of Empathy to Assess Professional Development in the Pharm.D. Curriculum. American Association of Colleges of Pharmacy Annual Meeting. Nashville, TN: American Association of Colleges of Pharmacy.
- McBane, S. Talukder, R. Islam, MA. Taheri, R. (2017, July) The US pharmacy faculty perceptions about the Scholarship of Teaching and Learning (SoTL). American Association of Colleges of Pharmacy Annual Meeting, Nashville, TN.
- Talukder, R. M. (2017, July). Contribution of pharmacy academia in the educational research output on curricular integration: A bibliometric study. Annual Meeting, American Association of Colleges of Pharmacy. AACP.

## Presentations

- Brunner LJ, Coyne L, Takemoto JK. (2017, August) Team-Based Learning Workshop. Collins College, Frisco, TX.
- Brunner LJ. (2016, September) A New Kind of Pharmacist. Retired Physicians of Smith County, East Texas Medical Center, Tyler, TX.
- Brunner LJ. (2016, September) A New Way Forward – Designing for the Millennials. Texas College & University Facilities Conference, Houston, TX.
- Brunner LJ. (2016, October) Advancing Health Literacy in East Texas, REACH 25 Conference, Longview, TX.
- Brunner LJ. (2017, April) Engaging Student Teams in the Classroom, Human Anatomy & Physiology Society, Southern Regional Meeting, Tyler, TX.

# PHARMACEUTICAL SCIENCES

- Brunner LJ, Coyne LC, Takemoto KJ, and Yu F. (2017, May) Developing Team-Based Learning, Texas Christian University, Fort Worth, TX.
- Brunner LJ, Coyne LC, Takemoto KJ, and Yu F. (2017, August) Beginning Team-Based Learning, Collin College, Frisco, TX.
- Coyne, L., & Takemoto, J. (2017, March). Using Technology to Enhance TBL. 2017 TBLC Annual Conference. Orlando, Florida: The Team-Based Learning Collaborative.
- Coyne, L., & Khansari, P. (2016, December). Creating an Effective TBL Module. TBLC Regional Workshop. San Francisco: Team Based Learning Collaborative.
- Coyne, L., & Khansari, P. (2016, December). TBL 101. TBLC Regional Conference. San Francisco: Team Based Learning Collaborative.
- Snella KA, Gunaseelan S, Yu F, Coyne L, Takemoto JK. (2017, July) Use of the Jefferson Scale of Empathy to Assess Professional Development in the Pharm.D. Curriculum. American Association of Colleges of Pharmacy Annual Meeting. Nashville, TN.
- Takemoto, J. K. (2017, May). Effects of Diabetes on Pharmacology. 2nd Annual International Symposium on Healthy Lifestyles - "Nutrition, Exercise and Prevention of Chronic Diseases." San Ignacio University, La Monia, Lima Peru: Nutrition and Dietetics.
- Takemoto, J. K., Yu, F., Brunner, L. J., & Coyne, L. (2017, May). TBL comes to TCU. TBL comes to TCU. Fort Worth, Texas: Texas Christian University.
- Takemoto, J. K. (2017, May). Using Pharmacology to Prevent and Treat Disease. 2nd Annual International Symposium on Healthy Lifestyles - "Nutrition, Exercise and Prevention of Chronic Diseases." San Ignacio University, La Monia, Lima Peru: Nutrition and Dietetics.
- Takemoto JK, Coyne L, Yu F, Brunner LJ. (2017, May) Team-Based Learning Comes to Texas Christian University. Texas Christian University. Fort Worth, TX.

## Proceedings Publications

- Niederhoffer EC, Cline S, Osheroff N, Simmons J, Diekman A, Franklin DS, Abali E, Bateman R, Fontes J, Lindsley J, Pearson D, Rubenstein P, Slaughter C, Bernstein J, Hyland K, Park V, Sobering A, Weiler T, and Dasgupta S. (2017, May) Teaching Biochemistry and Genetics to Students of Dentistry, Medicine, and Pharmacy. *Med Sci Educ*. 2017 Dec;27(4):855–859.
- Snella KA, Gunaseelan S, Yu F, Coyne L, Takemoto JK. Use of the Jefferson Scale of Empathy to Assess Professional Development in the Pharm.D. Curriculum. Presented at the 118th Annual Meeting of the American Association of Colleges of Pharmacy in Nashville, TN. July 2017. *Am J Pharm Ed* 2017; 81(5): S6.

## Funded Grants

- Glavy, Joseph. Regulation of Pore Membrane Proteins during NPC Release and Dispersal in Open Mitosis, National Institutes of Health (June 1, 2017), USD \$214,404.





