

**The University of Texas at**

**TYLER**<sup>TM</sup>

**A CELEBRATION OF  
SCHOLARSHIP AND CREATIVITY**

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Annual Report of Faculty Scholarship  
September 2018 – August 2019

# FROM THE PRESIDENT

Scholarly discovery is foundational to institutional and societal advancement. Universities that promote the scholarship of innovation secure generational impacts for their students and untold growth and development for their communities. This is why I am honored to celebrate the vast and varied pursuits of scholarship at The University of Texas at Tyler.

Your exploration of new ideas continues to drive this University forward. Whether experimenting in the sciences, interviewing for the humanities, sculpting for the arts, or inventing in engineering, you continue to use creative avenues to address some of the toughest questions asked by East Texans. Your inquisitive disposition enhances UT Tyler's reputation as an institution committed to impact and service in the public interests of East Texas.

Recently, it was necessary to draw upon that strength as we adjusted our teaching and research norms in order to maintain the health and safety of our community. I commend the positive spirit in which everyone adjusted and supported students.

The University of Texas at Tyler continues to grow and prosper, as does the East Texas region, in large part because of the work represented here.

Thank you for making UT Tyler great!

**DR. MICHAEL TIDWELL  
PRESIDENT,  
THE UNIVERSITY OF TEXAS AT TYLER**



Though we cannot gather together to celebrate this year in the time of COVID 19, The Robert R. Muntz Library is delighted to prepare this this document to acknowledging The University of Texas at Tyler faculty's scholarly and creative works. As primary knowledge supporters for our institution, Muntz Library staff are here to work with, and for, our faculty in any way we can to promote their academic endeavors. We confirm this by our constant interactions and support for faculty and students through our librarian liaisons, library public services, technical services, library systems and university archives. On behalf of all the Robert R. Muntz staff, I extend to you all a heartfelt congratulations on your scholarly and creative accomplishments for AY 18/19.

-Rebecca McKay Johnson, Executive Director of Robert R. Muntz Library

# COLLEGE OF ARTS & SCIENCES



The faculty in the College of Arts and Sciences are extraordinary scholars, teachers, and mentors. Their student focus is evident in everything they do, including scholarly and creative work. The ability of our students to participate in research and then present or publish the results alongside their faculty mentor is important. Over the last year, the faculty has published 107 articles in peer-review journals, 12 books, 41 chapters, and created 56 creative works. A majority of these efforts involved student contributors. In addition, our faculty and their students made over 300 presentations at professional conferences at the regional, national, and international level.

The diversity of the contributions our faculty make to understanding and improving the world around us is inspiring. Our faculty and students work on projects ranging from new ways to save endangered species, to building virus-like particles for the treatment of cancer, to analyzing important works of literature, to understanding culture and the societies that develop them, to creating beautiful and meaningful works of art and musical performance, and more.

The Arts and Sciences are the heart and soul of society and CAS is the intellectual crossroads of the University. Indeed, we are the crossroads for all of higher education. As bearers of this important responsibility, we are dedicated to the education of every student regardless of major. Our goal is to ensure that every UT Tyler student has a strong and diverse skill set that will prepare them for the unprecedented challenges and opportunities in the 21st century.

**DR. NEIL GRAY**  
**DEAN OF ARTS & SCIENCES**

# ART AND ART HISTORY

## Chapters

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- Lisot-Nelson, E. A. (2018). Bleeding Bodies and Bondage: Signifiers of Illegitimacy in Ghirlandaio's Adoration of the Magi and Andrea della Robbia's Tondi at the Ospedale degli Innocenti, Florence. In *Monsters and Borders in the Early Modern Imagination* (pp. 51–68). Routledge Press. <https://www.worldcat.org/title/monsters-and-borders-in-the-early-modern-imagination/oclc/1041108898>
- Lisot-Nelson, E. A. (2019). Pope Urban VIII (1623-1644 AD) at St. Peter's Basilica, Piazza Barberini, and Palazzo Barberini. In *People and Places of the Roman Past* (pp. 147–158). Amsterdam University Press: ARC Humanities Press; Cultural Heritage and Digital Humanities Series. <https://www.aup.nl/en/book/9781942401544/people-and-places-of-the-roman-past>

## Creative Performances

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- Hughes, A. S. (2018). PINK. All Woman Exhibition. group exhibition. Kemp Center for the Arts Wichita Falls, Texas.
- Hughes, A. S. (2019). BEVY-2019. Group Exhibition. Julia Martin Gallery, Nashville, Tennessee.
- Hughes, A. S. (2019). The Expanse Between. Two Person Exhibition. Martin Museum of Art at Baylor University, Waco, Texas.
- Hughes, A. S. (2019). Two Person Exhibition. Two Person Exhibition. Art on Henderson Gallery, Dallas, Texas.

## Creative Productions

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- Hughes, D. (2018, September 30). Foundation of the Doo-Dah. Boerne Arts Council. City of Boerne TX, Boerne, TX.
- Magnusen Ph.D., K. L. (2019, February 2–23). Continuum. Lowman Student Center Gallery, Sam Houston State University, Huntsville, Texas.
- Magnusen Ph.D., K. L. (2019). Look and Listen: Visual Art Inspired by Music. University Center. University of Texas at Tyler, Tyler, TX.
- Magnusen Ph.D., K. L. (2019). Pulling the Print: Selections from the Collection of the Department of Art and Art History. University Center. University of Texas at Tyler, Tyler TX.
- Wright, M. (2018, September 7–October 5). Third Coast National Biennial. K Space Contemporary. Corpus Christi, TX: K Space Contemporary.
- Wright, M. (2019, March 22–April 7). Unfolding Epoch. Minnesota Landscape Arboretum. Minneapolis, MN: Minnesota Landscape Arboretum.
- Wright, M. (2019, May 15–22). Exchange. Museum Complex at the University of Port Harcourt. Port Harcourt, Nigeria: University of Port Harcourt.

## Journal Publications

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- Magnusen Ph.D., K. L. (2018). Augmented Art, Virtual Vandalism: Geotagging Jeff Koons's Balloon Dog. *The International Journal of New Media, Technology and the Arts*, 13(4), 1–11. <https://doi.org/10.18848/2326-9987/CGP/v13i04/1-11>

## Other

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- Wright, M. (2019). Artist-Invites-Artist Residency. Red Lodge Clay Center.
- Wright, M. (2019). 'Looking Back in Order to Look Forward.' In Aza Pace (Ed), *Artifacts of Wayfinding* (a Visual Play in Three Acts) exhibition of Jim Pace: Exhibition Catalog (p. 3).

## Presentations

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- Magnusen Ph.D., K. L. (2018, September). Weimar Widows and The Great Imitator: The Specter of Syphilis and the Problem of Prostitution in Otto Dix's Die Witwe. German Studies Association Conference. German Studies Association, Pennsylvania.



# BIOLOGY

## Journal Publications

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- Dimas, R. P., Jiang, X.-L., Alberto de la Paz, J., Morcos, F., & Chan, C. T. Y. (2019). Engineering repressors with coevolutionary cues facilitates toggle switches with a master reset. *Nucleic Acids Research*, 47(10), 5449–5463. <https://doi.org/10.1093/nar/gkz280>
- Roberts, A. C., Chornak, J., Alzagatiti, J. B., Ly, D. T., Bill, B. R., Trinkeller, J., ... Glanzman, D. L. (2019). Rapid habituation of a touch-induced escape response in Zebrafish (*Danio rerio*) Larvae. *Plos One*, 14(4), e0214374. <https://doi.org/10.1371/journal.pone.0214374>
- Smith, C. C., Weber, J. N., Mikheyev, A. S., Roces, F., Bollazzi, M., Kellner, K., ... Mueller, U. G. (2019). Landscape genomics of an obligate mutualism: Concordant and discordant population structures between the leafcutter ant *Atta texana* and its two main fungal symbiont types. *Molecular Ecology*, 28(11), 2831–2845. <https://doi.org/10.1111/mec.15111>
- Yu, R.-Q., Kurt, Z., He, F., & Spain, J. C. (2019). Biodegradation of the Allelopathic Chemical Pterostilbene by a *Sphingobium* sp. Strain from the Peanut Rhizosphere. *Applied and Environmental Microbiology*, 85(5). <https://doi.org/10.1128/AEM.02154-18>
- Yu, X., Yu, R.-Q., Gui, D., Zhang, X., Zhan, F., Sun, X., & Wu, Y. (2018). Hexavalent chromium induces oxidative stress and mitochondria-mediated apoptosis in isolated skin fibroblasts of Indo-Pacific humpback dolphin. *Aquatic Toxicology*, 203, 179–186. <https://doi.org/10.1016/j.aquatox.2018.08.012>
- Yu, X., Yu, R.-Q., Zhang, X., Zhan, F., Sun, X., & Wu, Y. (2019). DDT exposure induces cell cycle arrest and apoptosis of skin fibroblasts from Indo-Pacific humpback dolphin via mitochondria dysfunction. *Aquatic Toxicology*, 213, 105229. <https://doi.org/10.1016/j.aquatox.2019.105229>
- Zhan, F., Yu, X., Zhang, X., Chen, L., Sun, X., Yu, R.-Q., & Wu, Y. (2019). Tissue distribution of organic contaminants in stranded pregnant sperm whale (*Physeter microcephalus*) from the Huizhou coast of the South China Sea. *Marine Pollution Bulletin*, 144, 181–188. <https://doi.org/10.1016/j.marpolbul.2019.05.005>
- Zhang, X., Yu, R.-Q., Lin, W., Gui, D., Sun, X., Yu, X., ... Wu, Y. (2019). Stable isotope analyses reveal anthropogenically driven spatial and trophic changes to Indo-Pacific humpback dolphins in the Pearl River Estuary, China. *The Science of the Total Environment*, 651(Pt 1), 1029–1037. <https://doi.org/10.1016/j.scitotenv.2018.09.256>
- Cantley, J., Fancher, S., & Azghani, A. O. (2019, April). Antibiotic Resistance Gene Profile of *Pseudomonas aeruginosa*. TriBeta Regional conference. Dallas, TX: DBU.
- Fitzgerald, B. A., Brandenburg, O. G., Catrett, B. S., King, J. M., Patterson, D., & Bill, B. R. (2019, May). Toxicity profile of HK97 VLP in *Danio rerio*. Poster session presented at the East Texas Research Conference, Tyler, Texas.
- Girard, R. A., Morris, D. E., Sarva, K., Chamiso, M. B., Fowles, A., Azghani, A. O., & Komissarov, A. A. (2019, May). Plasminogen Activator Inhibitor 1 is Associated with Intrapleural Fibrin in rabbit Chronic Empyema. American Thoracic Society International Meeting, Dallas, Texas.
- King, N., & Yu, R. (2019, May). Microbial Hg Methylation Communities Characterized by Illumina Sequencing in Caddo Lake, TX. Poster session presented at the East Texas Research Conference, Tyler, Texas.
- Laszlo, A. M., Placyk, J. S., Williams, L. R., Williams, M. G., Hertweck, K. L., & Banta, J. A. (2019, January). Verifying genomically-informed ecological niche models. 2019 Southern Division – American Fisheries Society Meeting. Galveston, TX: TX Chapter of the American Fisheries Society.
- Laszlo, A. M., Broadbent, A., Placyk, J. S., Williams, L. R., Williams, M. G., Hertweck, K. L., & Banta, J. A. (2019, Summer). Using an integrative approach to settle whether two endemic East Texas mussels are different or synonymous. Poster session presented at Evolution Meetings. Providence, Rhode Island.
- Reeder, S., Barthel, K., Servinsky, M., Sund, C., Renberg, R., Hertweck, K., & Banta, J. A. (2019, May). Genomic diversity in the biofuel-producing microbe *C. acetobutylicum*. Poster session presented at the East Texas Research Conference, Tyler, Texas.
- Rowan, C., Stone, C., Mathews, A., & Kellner, K. (2019, Spring). Population Genetics of *P. comanche* using microsatellites. Poster session presented at the East Texas Research Conference, Tyler, Texas.
- Senula, S., Seal, J. N., & Kellner, K. (2018, Autumn). Experimental cold-tolerance of *Trachymyrmex septentrionalis* and its symbiotic fungal cultivar. Presentation to the Annual Meeting of the Entomological Society of America, Vancouver, Canada.
- Solorza, A., Perez-Garcia, N., Rivero, M. A., Hamouda, A. K., & Bill, B. R. (2019, June). Zebrafish as a Model for Smoking Cessation. East Texas Research Conference. UT Tyler, Tyler, TX: University of Texas at Tyler and surrounding Colleges.
- Solorza, A., Perez-Garcia, N., Rivero, M. A., Hamouda, A. K., & Bill, B. R. (2019, March). Zebrafish as a Model for Smoking Cessation. Texas Academy of Sciences Annual Meeting 2019. Brownwood, Texas (Howard Payne University): Texas Academy of Sciences. [https://www.texasacademyofscience.org/assets/Meetings/2019Meeting/2019\\_Program.pdf](https://www.texasacademyofscience.org/assets/Meetings/2019Meeting/2019_Program.pdf)

## Poster Presentations

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- Ashraf, K., Walters, A., Ford, D., Williams, M., Ford, N., Williams, L. R., & Banta, J. A. (2019, May). Predicting East Texas freshwater mussel distributions using current and future climate data. Poster session presented at the East Texas Research Conference, Tyler, Texas.

## Presentations

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- Azghani, A. O., & Gurbanov, A. (2019, May). Antibiotic Resistance Gene Profile in Clinical Isolates of *Pseudomonas aeruginosa*. International conference on OneHealth. Baku, Azerbaijan: Khazar University.
- Azghani, A. O., & Patterson, D. (2019, June). Application of Genetically Engineered Nanocarriers in Biomedical Research. International Conference on Material Research and Nanotechnology. Rome, Italy.
- Banta, J. A. (2018, July). Integrative conservation biology in East Texas, USA. Invited seminar at the University of Latvia. Riga, Latvia: University of Latvia.
- Banta, J. A. (2019, Spring). Conservation Biology in East Texas. Invited seminar to the T. L. L. Temple Foundation. Lufkin, TX: T. L. L. Temple Foundation.
- Banta, J. A. (2019, Spring). Using evolution and genetics to conserve the rare Texas endemic plant, the Neches River Rose Mallow. Invited seminar at the University of Mary Washington. Fredericksburg, VA: University of Mary Washington.
- Banta, J. A. (2019, May). Getting to know the Center for Environment, Biodiversity, and Conservation at the University of Texas at Tyler. Paper presented at the East Texas Research Conference, Tyler, Texas.
- Banta, J. A., Sain, M., Norrell-Tober, J., Barthel, K., Hertweck, K. L., Placyk, J. S., ... Williams, M. G. (2019, Summer). Integrative ecological genetics reveals a threat posed by genetic swamping to an East Texas endemic wildflower (*Hibiscus dasyclyax*, Malvaceae). Evolution Meeting, Providence, Rhode Island: Society for the Study of Evolution, American Society of Naturalists, and Society of Systematic Biologists.
- Chan, C. (2018, August). Antibiotics Induce Nitrosative Stress in Microorganisms. 256th American Chemical Society Annual Meeting. Boston, MA: American Chemical Society. <https://www.acs.org/content/dam/acsorg/meetings/national-meetings/fall-2018/fall-2018-program-book.pdf>
- Chan, C. (2019, March). Creating biomonitoring devices with microbes—from protein engineering to genetic circuit development. Spring 2019 American Society for Microbiology Texas Branch Meeting. Braunfels, Texas. <http://txasm.org/2019-spring-meeting-program-and-abstract-book/>
- Daugherty, S. F. (2018, Autumn). Zombie Outbreak! Students Learn Critical Thinking through Creativity, Neuroscience, and Microbiology Concepts used to build a better zombie outbreak story. National Association of Biology Teachers Conference 2018. San Diego: National Association of Biology Teachers.
- Fitzgerald, B. A., Brandenburg, O. G., Catrett, B. S., King, J. M., Patterson, D., & Bill, B. R. (2019, March). Nanomedical Application in Zebrafish: Toxicity and Localization of HK97 VLP in *Danio rerio*. Texas Academy of Sciences Annual Meeting 2019. Brownwood, Texas (Howard Payne University): Texas Academy of Sciences.

- Fitzgerald, B. A., Brandenburg, O. G., Catrett, B. S., King, J. M., Patterson, D., & Bill, B. R. (2019, May). Nanomedical Application in Zebrafish: Toxicity and Localization of HK97 VLP in *Danio rerio*. Association of Southeastern Biologists Annual Meeting 2019. Memphis, TN: Association of Southeastern Biologists.
- King, N., & Yu, R. (2018, November). Interactions between Methanogenesis & Mercury Methylation In Caddo Lake, TX. Fall Meeting of ASM-TX Branch in Corpus Christi, Texas.
- Placyk Jr., J. S. (2018). From herpetologist to conservation biologist: The journey of one UT-Tyler biologist. Invited talk - Department of Biology at the University of Texas at Tyler.

## Reviews

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- Pundt, S. M. (2018). Faculty Advisory Board online focus group for feedback on Microscope Laboratory Simulation. Pearson-Benjamin Cummings Publishing.
- Pundt, S. M. (2018). Performed an online verification and review of the HTML version of two PhysioEx exercises (previous version was in Flash), including assessment on mobile devices. Pearson-Benjamin Cummings Publishing.
- Pundt, S. M. (2018). Performed a review of three homeostatic figures for the next edition of Human Anatomy and Physiology by Erin C. Amerman. Pearson-Benjamin Cummings Publishing.
- Pundt, S. M. (2018). Performed a review of three homeostatic figures in A&P text. Pearson-Benjamin Cummings Publishing.
- Pundt, S. M. (2018). Served on Faculty Advisory Board for feedback on Microscope Laboratory Simulation. Pearson-Benjamin Cummings Publishing.

## Funded Grants

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- Azghani, A. Delivery of PAI-1-Targeted Intrapleural fibrinolytic therapy for empyema, National Institutes of Health through UT Health Science Center at Tyler (January 1, 2019), USD \$147,355.
- Banta, J. Endangered Species Research Projects on the Distribution and Abundance of the Texas Heelsplitter Mussel, Texas Comptroller of Public Accounts (July 1, 2019), USD \$110,999.
- Chan, C. Research at Undergraduate Institutions: Developing modular repressors as in vivo biosensors in various organisms, National Science Foundation (July 1, 2019), USD \$441,684.
- Seal, J. Supplement to CAREER: Mechanisms of Specificity and Homeostasis in an Obligate Symbiosis: Discovery-based Research at a Regional University, National Science Foundation through New Mexico State University (May 3, 2019), USD \$6,000.
- Williams, L. Streaming Biomonitoring at Fort Polk, Louisiana, Gulf South Research Corporation (April 1, 2019), USD \$29,932.

# CHEMISTRY AND BIOCHEMISTRY

## Chapters

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Patterson, D. P. (2018). Encapsulation of Active Enzymes within Bacteriophage P22 Virus-Like Particles. In Protein Scaffolds: Design, Synthesis, and Applications (pp. 11–24). Springer. [https://doi.org/10.1007/978-1-4939-7893-9\\_2](https://doi.org/10.1007/978-1-4939-7893-9_2)

## Journal Publications

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Terra, M. F., & Black, S. D. (2019). Chemistry toy 1: an approach to quantify and improve the power of scientific observation. *Journal of Chemical Education*. <https://doi.org/10.1021/acs.jchemed.8b00480>.

## Poster Presentations

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Boyd, L. E. (2019, March). American Chemical Society student chapter at the University of Texas at Tyler. Poster presented at the American Chemical Society National Meeting. Orlando, Florida.

Smee, J. J., & Martin, P. (2019, May). Vanadium-sulfur compounds as models of one potential mode of action for vanadium's antidiabetic properties. Poster presented at the East Texas Research Conference, Tyler, Texas.

## Presentations

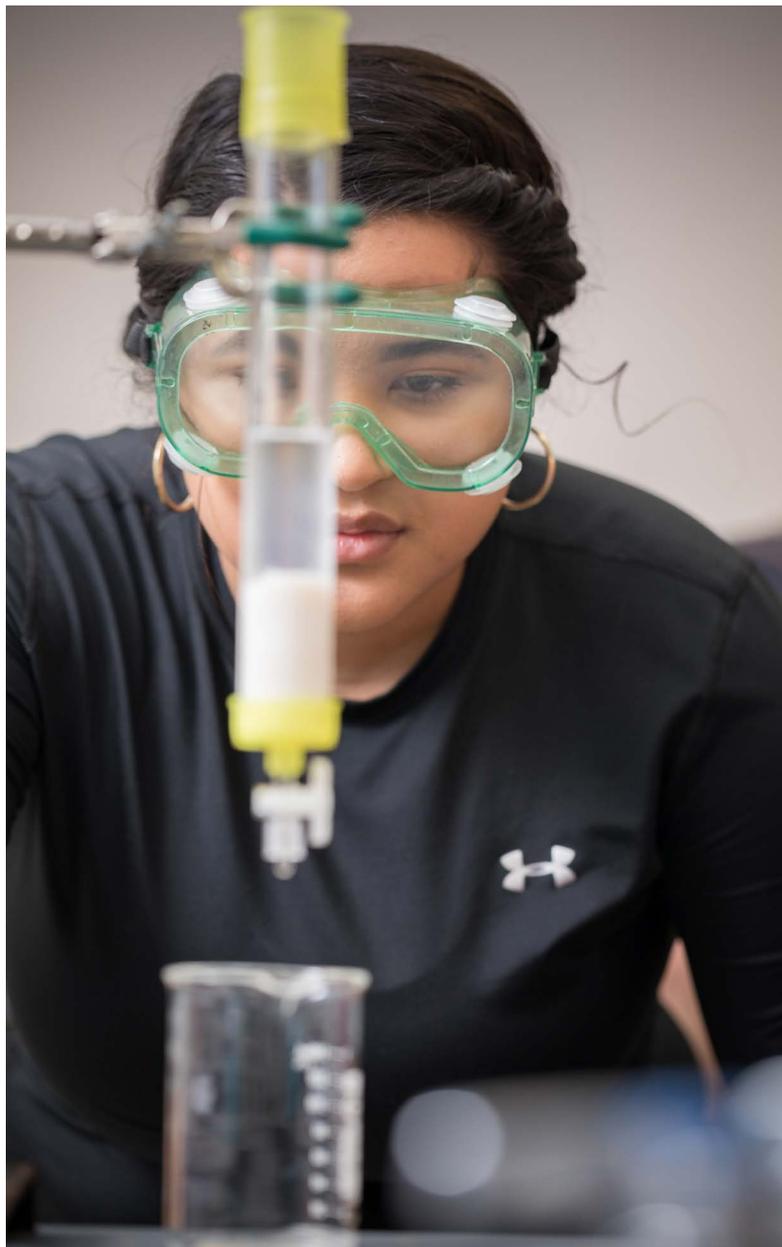
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Crans, D. C., Koehn, J. T., Murakami, H., Petry, S. M., Gaidamauskas, E., Chatterjee, P., ... Smee, J. J. (2019, April). From anti-diabetic to anti-cancer compounds: Conducting research while working with undergraduates. American Chemical Society National Meeting. Presentation conducted at the meeting of American Chemical Society, Orlando, FL.

## Funded Grants

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Shtoyko, T. Welch Foundation Chemistry Departmental Research Grant FY2020, Welch Foundation (June 1, 2019), USD \$40,000.



# COMMUNICATION

## Chapters

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Cali, D. (2018). Chiara Lubich: Mediating Love and Unity. In *Words and Witnesses: Communication Studies in Christian Thought from Athanasius to Desmond Tutu*. Peabody, MA: Hendrickson Publishers. <http://www.hendrickson.com/html/product/071730.trade.html?category=all>

## Journal Publications

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Scheinfeld, E., Crook, B., & Perry, C. (2019). Understanding young adults' e-cigarette use through the theory of planned behavior. *Health Behavior and Policy Review*, 6(2), 115–127. <https://doi.org/10.14485/HBPR.6.2.1>

## Presentations

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- Cali, D. (2019, Jun. 29). Probing an “interior sensorium” throughout the ages. Media Ecology Association annual convention. Toronto, Ontario: Media Ecology Association.
- Cali, D. (2019, June). The Interior Sensorium in Media Ecology. Media Ecology Association Annual Convention. Toronto, CA
- Cali, D. (2019, Jul. 11). Homiletics for a digital age. Toward a Renewed Catholic Communications Pedagogy. Conference presentation at The McGrath Institute, Notre Dame University, South Bend, IN.
- Joyner, V. B. (Ed.). (2019). Debate Team of The University of Texas at Tyler - Tournament of Roses Conference. Conference. The University of Texas at Tyler: The Debate Team.
- Scheinfeld, E. (2018, November). Forget heated conversations: Everyday health communication impacts behavior, too. Presentation to the National Communication Association Annual Conference Health Communication Division, Salt Lake City, Utah.

# LITERATURE AND LANGUAGES

## Books

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- Bock, G. L. (Ed.). (2018). *The Philosophy of Forgiveness, Volume III: Forgiveness in World Religions* (p. 201). Wilmington, Delaware: Vernon Press.
- Bock, G. L. (Ed.). (2019). *The Philosophy of Forgiveness, Volume IV: Christian Perspectives on Forgiveness* (p. 244). Wilmington, Delaware: Vernon Press.

## Chapters

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- Beebe, A. (2018). ‘I’d dream of feasts’: Reading Southworth’s The Hidden Hand as an Outlaw Narrative. In *Food and Feast in Post-1800 Outlaw Narratives* (pp. 56-80). Taylor & Francis.
- Bock, G. L. (2019). Appeal to Ridicule. In *Bad Arguments: 100 of the Most Important Fallacies in Western Philosophy* (pp. 118–120). Hoboken, New Jersey: Wiley Blackwell.
- Jessop, A. K. (2018). Modernist Revisionist Mythmaking: Laura Riding’s Lilithian Poetics. In *Women Poets and Myth in the 20th and 21st Centuries: On Sappho’s Website* (pp. 3–16). Cambridge Scholars Publishing. <https://www.cambridgescholars.com/women-poets-and-myth-in-the-20th-and-21st-centuries>
- Jessop, A. K. (2019). ‘Untranslatable’ women: Laura Riding’s classical modernist fiction. In *The Classics in Modernist Translation* (pp. 131–141; endnotes). London: Bloomsbury Academic Publishing.

## Journal Publications

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- Bock, G. L. (2019). Review of Rod Dreher’s *The Benedict Option*. *Journal of Biblical and Theological Studies*. <http://jbtsonline.org/review-of-the-benedict-option-a-strategy-for-christians-in-a-post-christian-nation-by-rod-dreher/>
- Kelly, M. (2019). Gaining Access, Gaming Access: Balancing Internal and External Support for Interactive Digital Projects. *Digital Humanities Quarterly*, 13(2). <http://www.digitalhumanities.org/dhq/vol/13/2/000417/000417.html>
- Lewis, C., Bock, G. L., Boersema, D., & Kling, J. (2019). Forgiveness as a Right? Author Meets Critics. *The Acorn: Philosophical Studies in Pacifism and Nonviolence*, 19(1), 19-41. [https:// DOI: 10.5840/acorn201919111](https://doi.org/10.5840/acorn201919111)
- Wu, H. (2018). Yin-Yang as the Fundamental Philosophy of Chinese Rhetoric. *China Media Research*.

## Other

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- Wu, H. (2019). Global Feminist Rhetoric Research Mentoring Table. Coalition for Feminist Scholars in the History of Rhetoric and Composition.
- Wu, H. (2019). Introduction: The Old, the New, and the Renewed in Comparative Studies of Chinese Rhetoric. China Media Research.

## Presentations

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- Bock, G. L. (2019, February). Case Study: California's Elimination of Personal Belief Exemptions from Immunization Requirements. Association of Practical and Professional Ethics. Baltimore, Maryland.
- Bock, G. L. (2019, February). Is there an Obligation to Forgive? Author Meets Critics. Central Division Meeting of the American Philosophical Association. Denver, Colorado.
- Bock, G. L. (2019, February). The End of Religious and Philosophical Exemptions from Measles Vaccination Requirements. American Academy of Religion, Southwest Region. Irvine, TX.
- Bock, G. L. (2019, June). The End of Religious and Philosophical Exemptions from Measles Vaccination Requirements. Clinical Ethics and Conscience Rights. Cedarville University, Ohio.
- Jessop, A. K. (2019, March). Complex Displacements: From Oedipus to Jocasta in Modernist Appropriations. Psychoanalysis in the Vernacular: Global Modernisms and the Question of Difference Seminar. American Comparative Literature Association Annual Conference. Georgetown University, Washington DC.
- Kelly, M. (2019, March). Creating Digital Websites to Establish Expertise in First-Year Writers. Conference on College Composition and Communication. Pittsburgh, PA.
- Propper, T. (2019). Signature Bake: Using Online Performance for Students and Teachers. Conference on College Composition and Communication. Pittsburgh, PA.
- Sidey, M. (2019, March). The Great American Writing Show: First-Year Composition Performances through The Great British Baking Show. College Conference on Composition and Communication. Pittsburgh, PA.
- Standridge, E. (2019, Spring). The Judges?: Neither Paul Nor Mary: Writing Tutors, Writing Performance, Judging, and Coaching. Conference on College Composition and Communication. National Council of Teachers of English. Pittsburgh, PA.
- Streufert, P. D. (2018, October). The Ghost and the Con: Monstrous Masculinity in David Mamet's *The Shawl*. Conference of the Society for Comparative Literature and the Arts. Society for Comparative Literature and the Arts. The Woodlands, TX.
- Strong, D. (2018, October). A Fool's Compassion: The Light Shed by Edith Stein upon King Lear. Third Biennial Shakespeare Conference. Dallas, Texas.
- Strong, D. (2019, June). Divine Expression of Empathy in King Lear. Shakespearean Theatre Conference: Festival and Festivity. Ontario, Canada.
- Tilghman, C. M. (2019, Spring). Renegotiating Gendered Identity and Domestic Space in Victoria Cross's "Theodora, A Fragment". 27th Annual British Women Writers Conference. British Women Writers Association. Auburn, AL.
- Utley, G. J. (2019, April). Leading Trends in 21st -century Colombian Fiction. 39th Cincinnati Conference on Romance and Arabic Languages and Literatures. University of Cincinnati Department of Romance Languages. Cincinnati, OH.
- Wu, H. (2019, March). Brokering Power and Space through Yin-Yang Rhetoric: A Feminist Study of Rhetorical Instruction by and to Women in Ancient China. Conference for College Composition and Communication. National Conference for English Teachers. Pittsburg, PA.
- Wu, H. (2019, April). Indigenous Sources to Map World Rhetorics: The Yin-Yang Paradigm. University of Oklahoma Symposium of Rhetoric, Writing, and Technology. Institute of Rhetoric, Writing, and Technology at U of Oklahoma. Norman, OK.
- Wu, H., & Kelly, M. (2019, May). An Innovative English Curriculum to Enhance East Texas Workforce. East Texas Research Conference. Tyler, TX.
- Wu, H. (2019, July). Recovering Rhetorical Teaching by and for Women in Ancient China. Conference of International Society for the History of Rhetoric International Society for the History of Rhetoric. New Orleans, LA.
- Wu, H. (2019, July). Ancient Chinese Women Teachers of Rhetoric. The International Society for the History of Rhetoric. Conference of International Society for the History of Rhetoric. New Orleans, LA.

## Reviews

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- Beebe, A. (2018). Review of Tobert Thorson's *The Boatman*. Nineteenth-Century Prose.

# MATHEMATICS

## Journal Publications

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- Bertrand, H., Goff, O., Graves, C., & Sun, M. (2018). On uniformly most reliable two-terminal graphs. *Networks*, 72(2), 200–216. <https://doi.org/10.1002/net.21811>
- LaLonde, S. M. (2019). Some consequences of the stabilization theorem for Fell bundles over exact groupoids. *Journal of Operator Theory*, 81(2), 335–369. <http://dx.doi.org/10.7900/jot.2018feb08.2195>

## Presentations

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- Anders, K. (2019, January). Characteristics of graphs admitting only constant splines. AMS Contributed Paper Session on Combinatorics and Graph Theory at Joint Mathematics Meetings, Baltimore, Maryland.
- Anders, K. (2019, Spring). Graph splines: From the basics to a characterization of graphs admitting only constant splines over  $\mathbb{Z}_m$ . Paper presented at the Sam Houston State University Mathematics and Statistics Colloquium, Huntsville, Texas.
- Archer, K. (2019, March). Pattern avoidance and cycle type. Paper presented at CombinaTexas, Texas A&M in College Station, Texas.
- Archer, K. (2019, April). Pattern avoidance, cycle type, and characters of the symmetric group. Paper presented to Association for Women in Mathematics Research Symposium, Rice University, Houston, Texas.
- Graves, C. (2018, Autumn). Uniformly most reliable two-terminal networks. TCU Colloquium.
- LaLonde, S. M. (2019, March). Allowed and forbidden patterns of dynamical systems via commuter functions. Mathematics Colloquium, Texas A&M University-Commerce. Commerce, Texas.

## Proceedings Publications

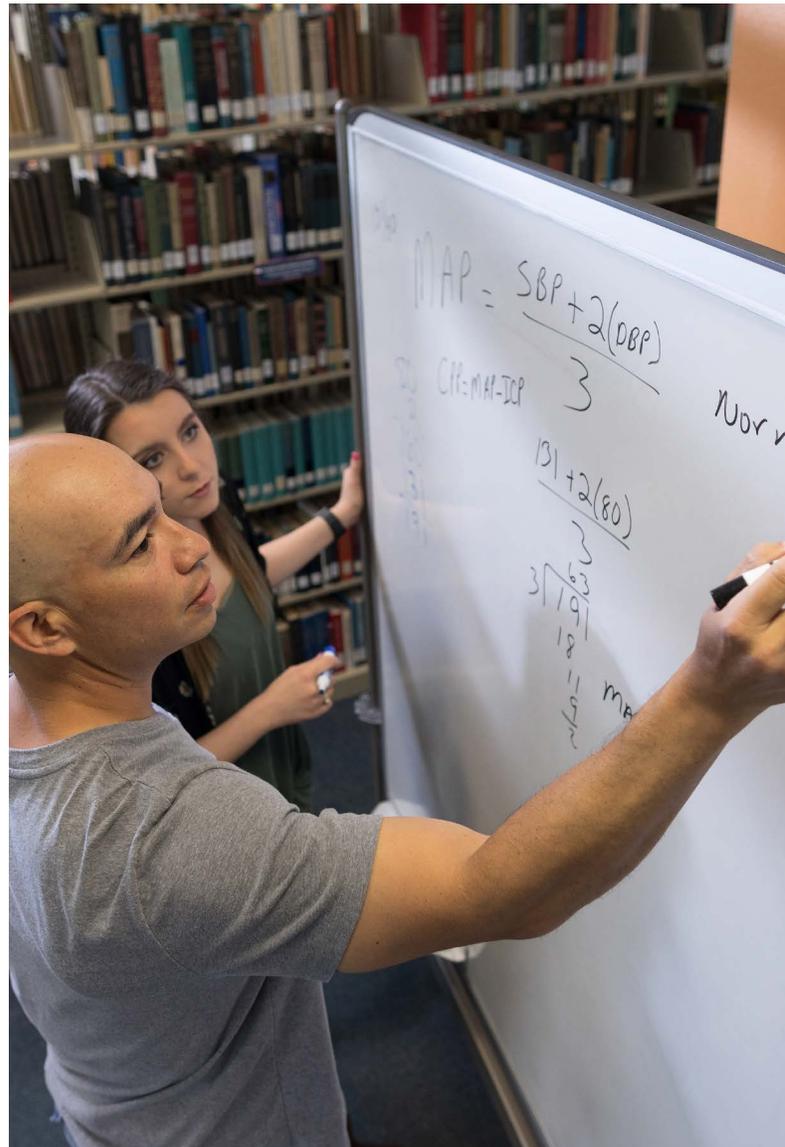
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- Archer, K., Moore, K., & Elizalde, S. (2017). Patterns of negative shifts and signed shifts. In *Seminaire Lotharingien de Combinatoire* (Vol. 78B).

## Grants

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- Milan, David. Texas Undergraduate Mathematics Conference, National Science Foundation (August 2018), USD \$7,290.



# MUSIC

## Books

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Park, S. E., & Kang, S. W. (2019). *Cecile Chaminade Songs*. Albany Records.

## Creative Performances

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- Conway, V. J., McBain, J., Park, S. E., Roberts, S., Bugg, S., & Biondini, J. (2018). Faculty Collaborative Recital with Guest Pianist Judy Biondini. Faculty/Guest Recital. Braithwaite Recital Hall: School of Performing Arts.
- Conway, V. J., Tidwell, M., Gjevre, N., Dalmus, J., Raychev, E., & Bloecher, A. (2018). *Pianos and Strings*. Collaborative Recital. Braithwaite Recital Hall: School of Performing Arts.
- Conway, V. J. (2019). Premiere performance of "Something Unsettled" for Trumpet and Piano. College Music Society Regional Conference. UT Tyler: College Music Society.
- McBain, J., & Gullings, K. (2019). Performance of JPL Sonata for Trumpet and Piano movement 2 ("Titan") by Dr. Kyle Gullings. International Trumpet Guild New Works Recital. Miami, FL: International Trumpet Guild.
- Park, S. E., Daughtery, E., & Kang, S. W. (2018). *Chaminade Songs*. Faculty Recital. Braithwaite Recital Hall: UT Tyler Music.
- Park, S. E., Ahn, C., & Kang, S. (2018). Guest Artist Performance. IU: Guest Recital. Indiana University: Indiana University.
- Rose, C. J. (2018). Conductor. *Good Tidings*: UT Tyler Patriot Singers & Concert Chorale Christmas Concert. First Presbyterian Church, Tyler: School of Performing Arts.
- Rose, C. J. (2018). Conductor. *Shout Glory*: UT Tyler Patriot Singers & Concert Chorale Fall Concert. First Presbyterian Church, Tyler: School of Performing Arts.
- Rose, C. J. (2019). Conductor. College Music Society Host Concert: *Durufle Requiem*, UT Tyler Patriot Singers & Concert Chorale. UT Tyler: School of Performing Arts.
- Rose, C. J. (2019). Conductor. *Come Away Sweet Love*: UT Tyler Patriot Singers & Concert Chorale Spring Concert. Tyler Orthodox Presbyterian Church: School of Performing Arts.
- Rose, C. J. (2019). Conductor. *Durufle Requiem Masterworks Concert*: UT Tyler Patriot Singers & Concert Chorale; Cantori Choral Artists of East Texas. First Baptist Church, Tyler: School of Performing Arts.
- Rose, C. J. (2019). Conductor. *Together in Song*: UT Tyler Patriot Singers & Concert Chorale; TVCC Cardinal Singers & Concert Choir Combined Concert. Chapel of Sts. Peter & Paul, Tyler: School of Performing Arts.

## Creative Productions

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Rose, C. J. (2018). *Be Thou My Vision*. The Tabernacle Choir and Orchestra at Temple Square. Conference Center at Temple Square, Salt Lake City, UT: The Tabernacle Choir and Orchestra at Temple Square.

## Creative Productions

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Rose, C. J. (2018). *Be Thou My Vision*. The Tabernacle Choir and Orchestra at Temple Square. Conference Center at Temple Square, Salt Lake City, UT: The Tabernacle Choir and Orchestra at Temple Square.

## Journal Publications

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Park, S. E. (2019). Video Integration in Mozart's *The Magic Flute*. *Opera Journal*, 52(1), 68-87.

## Other Teaching Materials

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Gullings, K. (2018). Open Educational Resources for Undergraduate Music Theory. *Journal of Music Theory Pedagogy*. <https://jmtpp.appstate.edu/open-educational-resources-undergraduate-music-theory>

## Presentations

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- Gullings, K. (2018, October). *Ditch Your Textbook: OER as Drivers of Diverse and Inclusive Pedagogy*. College Music Society National Conference. College Music Society. Vancouver, BC, Canada.
- Gullings, K. (2019, March). *Ditch Your Textbook: OER as Drivers of Diverse and Inclusive Pedagogy*. College Music Society. College Music Society South Central Regional Conference. The University of Texas at Tyler.
- Gullings, K. (2019, July). *Ditch Your Textbook: OER as Drivers of Diverse and Inclusive Pedagogy*. College Music Society. College Music Society International Conference. Brussels, Belgium.
- Park, S. E., & Daughtery, E. (2019, March). *Chaminade Songs*. The College Music Society. The College Music Society South Chapter Conference. Tyler, Tx.
- Park, S. E., & Phang, M. (2019, July). *Poldowski's Songs*. The College Music Society International Conference at Belgium. Brussels, Belgium.
- Rose, C. J. (2019). *Composer's Delight or Fright? Upon Writing for the Tabernacle Choir and Orchestra at Temple Square, with Viola Soloist*. College Music Society. College Music Society South Central Regional Conference. The University of Texas at Tyler.



# POLITICAL SCIENCE AND HISTORY

## Books

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- Li, W., & Sterken Jr., R. E. (2018). *Chinese Version of Alliance with Russia Comes of Age*. Lambert Academic Publishing.
- Link, M. (2019). *Remembrance of the Great War in Ireland, 1914-1937: Specters of Empire*. Palgrave Macmillan.
- Lopez, E. A., Stadelmann, M. A., & Sterken, R. E. (2019). *Uncovering Texas Politics in the 21st Century*. Tyler, TX: The University of Texas at Tyler Press.
- Stith, M. M. (2019). *Beyond the Quagmire: New Interpretations of the Vietnam War*. Denton, Tx: University of North Texas Press.

## Chapters

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- Bryant Jr., K. (2019). Policing Communities of Color: A Historical Examination of Social Control and Protest Management Strategies. In *Political Authority, Social Control and Public Policy* (pp. 43-62). Emerald Insight Publishers.
- Lopez, E. A. (2019). The Federal Judiciary. In *Game of Politics: Conflict, Power, & Representation*. Tyler, Tx: The University of Texas at Tyler Press.
- Lopez, E. A. (2019). The Texas Constitution in the Federal System. In *Uncovering Texas Politics in the 21st Century* (pp.23-52). Tyler, Tx: The University of Texas at Tyler Press.
- Lopez, E. A. (2019). The Texas Judiciary. In *Uncovering Texas Politics in the 21st Century* (pp. 165-192). Tyler, Tx: The University of Texas at Tyler Press.
- Lopez, E. A. (2019). The United States Constitution. In *Game of Politics: Conflict, Power, & Representation*. Tyler, Tx: The University of Texas at Tyler Press.
- Mwanzia Koster, M. (2018). Akamba Beliefs. In *African Religions: Belief and Practice through History* (p.20). ABC-CLIO.
- Mwanzia Koster, M. (2018). Heroes Are Usually Honored: Hip Hop's Revival of Dedan Kimathi. In *Encounters, Oppression, and Resistance in Africa and the African Diaspora* (p. 27). Routledge.
- Stadelmann, M. A. (2019). Interest Groups. In *Uncovering Texas Politics in the 21st Century* (pp. 97-116). Tyler, Tx: The University of Texas at Tyler Press.
- Stadelmann, M. A. (2019). Political Parties. In *Uncovering Texas Politics in the 21st Century* (pp. 73-96). Tyler, Tx: The University of Texas at Tyler Press.
- Stadelmann, M. A. (2019). Voting and Elections in Texas. In *Uncovering Texas Politics in the 21st Century* (pp. 53-71). Tyler, Tx: The University of Texas at Tyler Press.

- Stith, M. M. (2019). The Natural Environment and the American Military Experience in Vietnam. In *Beyond the Quagmire: New Interpretations of the Vietnam War* (pp. 267-298). Denton, Tx: University of North Texas Press.
- Wahlrab, A. (2019). Imagining Global Non-violent Consciousness. In *Revisiting the Global Imaginary* (pp. 123–140). Palgrave Macmillan. <https://doi.org/10.1007/978-3-030-14911-6>

## Journal Publications

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- Bryant Jr., K. (2019). Blue Response Matters. *Critical Issues in Justice and Politics*. 11(1), 65-92. <https://www.suu.edu/hss/polscj/journal/v11n1.pdf>
- Snider, C. M. (2018). 'Deficient Education,' 'Academic Questions,' and the Moral Economy of Students: Universities and the Politics of the Everyday in Brazil's Military Dictatorship. *The Americas*. 75(4), 699–732. <https://doi.org/10.1017/tam.2018.38>
- Wahlrab, A. (2018). Book Review Editor's Welcome. *Populism*. 1(1), 83–86. <https://doi.org/10.1163/25888072-01011007>

## Other

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- Bryant, K., Owens, M., & Wink, K. A. (2019). Commentary: The conflicting attitudes of Texans on a wall and border policies. *Austin American-Statesman*. <https://www.statesman.com/opinion/20190311/commentary-conflicting-attitudes-of-texans-on-wall-and-border-policies>
- Howard, N. O., & Owens, M. (2019). Are Amendment Strategies Learned Through Experience or Contingent on the Institution? LegBranch: Legislative Branch Capacity Working Group. <https://www.legbranch.org/are-amendment-strategies-learned-through-experience-or-contingent-on-the-institution/>
- Owens, M. (2018). Are courtesy meetings nuked? LegBranch Blog.
- Owens, M. (2018). User's Guide to Researching at the William J. Clinton Presidential Library. *Presidents & Executive Politics Report*.

## Presentations

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- Bryant Jr., K., & Masthay, T. (2019, April). Sub-Issue Ownership: #MeToo and the Matter of Sex Crimes. Western Political Science Association, San Diego, CA.
- Carter, J. (2018, October). Dutch National Populism and the Future of the European Union. Clute Institute, Las Vegas, NV.
- Carter, J. (2019, April). Globalization and the Rise of National Populism in the Netherlands. The National Social Science Association Conference at Las Vegas, Las Vegas, NV.
- Howard, N., & Owens, M. (2019, January). Committee Delay in Federal Court Nominations. Southern Political Science Association. Annual Meeting of the Southern Political Science Association, Austin, TX.

- Howard, N. O., & Owens, M. (2019, April). Senate Careers and Amendment Activity. Midwest Political Science Association. Midwest Political Science Association Annual Meeting, Chicago, IL.
- LeBlanc, J. R. (2019, Spring). K. in the West Bank: Shehadeh's Palestinian "Legal Narrative" as Kafkaesque Chain Novel. Western Political Science Association. Western Political Science Association Annual Meeting, San Diego, CA.
- Link, M. (2019, February). Round table: The Right Readings: What Do We Assign to Teach World History? World History Association of Texas. World History Association of Texas Conference, Texas A&M University-Commerce.
- Link, M. (2019, February). Selfless and patriotic: National Identity and Gender in 1920's Ireland. World History Association of Texas. World History Association of Texas Conference, Texas A&M University-Commerce.
- Link, M. (2019, April). Respectable Women: Irish Nurses and the First World War. Western Association of Women Historians. Western Association of Women Historians, Portland, OR.
- Mwanzia Koster, M. (2018, November). Hijacking Kimathi's Narrative: The Youth Production of Historical Knowledge in Kenya, 2011-2017. African Studies Association. African Studies Association Conference, Atlanta, Georgia.
- Owens, M., & Wink, K. A. (2019, January). Convention Bump Revisited. Southern Political Science Association. Annual Meeting of the Southern Political Science Association, Austin, TX.
- Owen, K., Owens, M., & Miller, M. (2019, January). Framing the Picture: The Diffusion of Photo Identification for Voting. Southern Political Science Association. Annual Meeting of the Southern Political Science Association, Austin, TX.
- Snider, C. (2018, October). War in the Streets: Brazilian Media, the French May, and Discourses of Democracy in 1968. 1968 dans les Amériques et la Caraïbe. Université de Poitiers, Poitiers, France.
- Snider, C. (2019, February). Incomplete Truths: Political and Social Rights and Women's Resistance to Military Rule in Brazil, 1964-1985. World History Association of Texas Annual Conference, Texas A&M University - Commerce.
- Snider, C. (2019, March). 'The Democratic Practice of the Day-to-Day': University Professors, Anti-Dictatorship Struggles, and White-Collar Social Mobilization in Brazil, 1977-1988. Southeastern Council of Latin American Studies Annual International Conference. Oaxaca, Mexico.
- Stadelmann, M. A. (2018, October). The Populist Right in Germany and the Future of the European Union. 2018 International Academic Conference for Business, Clute Institute Las Vegas, Nevada.
- Stadelmann, M. A. (2019, April). The Austrian Freedom Party- Extreme Right or Mainstream Conservative? National Social Science Association. National Social Science Association Meeting, Las Vegas, Nevada.
- Sterken Jr., R. E. (2019, April). Barefoot in Burma: Lessons from Myanmar. Timberland Unitarian Universalist Fellowship. UU Book Club, Lufkin, Texas.
- Stith, M. M. (2019, April). The Natural Environment, Command Policy, and the American Soldier Experience in the Vietnam War. National Social Science Association. National Social Science Association Annual Meeting, Las Vegas, NV.
- Tabri, E. (2019, April). Utopian and Dystopian Visions in Philippe de Meziere's *Epistre au Roi Richart*. Dept. of Romance and Arabic Languages and Literature. 39th Conference on Romance and Arabic Languages and Literature, University of Cincinnati.

## Reviews

- Linehan, M. (2018). Review of *The War on Neighborhoods: Policing, Prison, and Punishment in a Divided City*, by Daniel Cooper. *Choice*, 56(3), 409.
- Linehan, M. (2019). Review of *These Truths: A History of the United States*, by Jill Lepore. Norton.
- Mwanzia Koster, M. (2018). Film Review of *Thank You for The Rain*. *African Studies Review*.
- Snider, C. (2018). From Fascism to Populism in History, by Frederico Finchelstein. *Populism*, 1(2), 219. <https://doi.org/10.1163/25888072-00001015>
- Snider, C. (2018). Transforming Brazil: A History of National Development in the Postwar Era, by Rafael Ioris, and Technocrats and the Politics of Drought and Development in Twentieth Century Brazil, by Eve E. Buckley. *The Latin Americanist*, 62 (4), 611-615. <https://doi.org/10.1111/tla.12220>
- Snider, C. (2019). Life after Dictatorship: Authoritarian Successor Parties Worldwide, by James Loxton. *Choice*, 56(6), 798.
- Snider, C. (2019). Review of *How Dictatorships Work*, by Barbara Geddes, Joseph Wright, and Erica Frantz. *Choice*, 56(6), 803-804.
- Snider, C. (2019). Review of *México beyond 1968: Revolutionaries, Radicals, and Repression during the Global Sixties and Subversive Seventies*, by Jaime M. Pensado. <https://www.h-net.org/reviews/showpdf.php?id=53559>
- Stith, M. M. (2019). Review of *Unredeemed Land: An Environmental History of the Civil War and Emancipation in the Cotton South*, by Erin Mauldin. *H-Net/H-CivWar*. <http://www.h-net.org/reviews/showrev.php?id=53720>
- Stith, M. M. (2019). Review of *Practical Liberators: Union Officers in the Western Theater during the Civil War*, by Kristopher Teters. *Arkansas Historical Quarterly*, 78(1), 97-99.

# SOCIAL SCIENCES

## Journal Publications

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- Gautier, L. (2019). The role of multiple pollutants and pollution intensities in the policy reform of taxes and standards. *The B.E. Journal of Economic Analysis & Policy*, 19(3). <https://doi.org/10.1515/bejeap-2018-0186>
- Helfers, R. C., Reynolds, P. D., & Maskály, J. (2019). Applying social exchange theory to police deviance: Exploring self-protective behaviors among police officers. *Criminal Justice Review*, 44(2), 183–203. <https://doi.org/10.1177/0734016818796547>
- Helmke, C., Hammond, G., Guderjan, T. H., Greaves, P., & Hanratty, C. (2019). Sighting a Royal Vehicle: Observations on the Graffiti of Tulix Mul. *Precolumbian Art Research Institute Journal*, 19(4), 10–30.
- Klein, J. L., & Cooper, D. T. (2019). Deviant Cyber-Sexual Activities in Young Adults: Exploring Prevalence and Predictions Using In-Person Sexual Activities and Social Learning Theory. *Archives of Sexual Behavior*, 48(2), 619–630. <https://doi.org/10.1007/s10508-018-1251-2>
- Klein, J. L., & Cooper, D. T. (2019). Punitive attitudes toward sex offenders: do moral panics cause community members to be more punitive? *Criminal Justice Policy Review*, 30(6), 088740341876725. <https://doi.org/10.1177/0887403418767251>
- Krause, S., Beach, T., Luzzadder-Beach, S., Cook, D., Islebe, G., Palacios-Fest, M. R., ... Guderjan, T. H. (2018). Wetland geomorphology and paleoecology near Akab Muclil, Rio Bravo floodplain of the Belize coastal plain. *Geomorphology*, 331, 146–159. <https://doi.org/10.1016/j.geomorph.2018.10.015>
- Kwoka, J. J., Hanratty, H. C., & Guderjan, T. H. (2019). From crafting to caching: technological and iconographic analyses of blue creek cache 37. *Journal of Field Archaeology*, 44(6), 352–366. <https://doi.org/10.1080/00934690.2019.1625248>
- Reynolds, P. D., & Helfers, R. C. (2018). Do disciplinary matrices moderate the effects of prior disciplinary actions on perceived organizational support (POS) among police officers? *International Journal of Police Science & Management*, 20(4), 272–283. <https://doi.org/10.1177/1461355718816718>
- Reynolds, P. D., & Helfers, R. C. (2019). Organizational injustice and police misconduct: predicting organizational defiance among police officers. *Actual Problems of Economics and Law*, 13(3). <https://doi.org/10.21202/1993-047X.13.2019.3.1412-1429>
- Sills, E. C., & McKillop, H. (2018). Specialized salt production during the ancient maya classic period at two paynes creek salt works, belize: chan b'i and atz'aam na. *Journal of Field Archaeology*, 43(6), 457–471. <https://doi.org/10.1080/00934690.2018.1504543>

- Sills, E. C. (2019). The organization of classic period salt production at the Placencia Lagoon Salt Works. *Research Reports in Belizean Archaeology*, 16, 295–302. Retrieved from <https://ufdcimages.uflib.ufl.edu/AA/00/06/85/95/00001/RRBA2019volume.pdf>

## Other

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- Hanratty, C. (2019). The 27th Annual report of the Blue Creek Archaeological Project. T. Maya Research Program.
- Sills, E. C. (2018). Sampling in marine field. In S. L. López Varela (Ed.), *The encyclopedia of archaeological sciences* (pp. 1–2). Hoboken, NJ, USA: John Wiley & Sons, Inc. <https://doi.org/10.1002/9781119188230.saseas0514>

## Presentations

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- Appert, R., & Sills, E. C. (2018, October). Portable X-Ray Fluorescence of Obsidian from Postclassic Placencia Village, Belize. Paper presented to the South-Central Conference on Mesoamerica, San Antonio, Texas.
- Bailey, D. J. S. (2018, October). Loving a registrant: How U.S. sex offender policy impacts the spouses, children, and family members of registered citizens. Presented to the Texas Voices for Reason and Justice Annual Conference, Dallas, Texas
- Doty, S. S. (2018, October). Never too young: Economics and personal finance at the elementary level. Keynote address presented at the Annual Moolah Palooza, Edinburg, Texas, Region 1 Educational Service Center.
- Doty, S. S. (2018, November). Children and wealth. JP Morgan Ultra High Net Wealth Family Talk. Tyler, Texas: JP Morgan.
- Doty, S. S. (2019, June). When just good enough is not good enough: Our shared students deserve our best. Keynote address presented at the Annual Science and Social Studies Summit, Kilgore, Texas, Region7 Educational Service Center.
- Doty, S. S. (2019, July). Introducing the invest in girls program to Texas. Presentation to the Texas Bankers Association Financial Literacy Summit, Dallas Texas.
- Gautier, L. (2018, November). Book Presentation- "Puerto Rico: Independence..." University of Puerto Rico -Mayagüez (invited speaker). University of Puerto Rico - Mayagüez campus.
- Guderjan, T. H., Baaske, B., Warden, B., & Kwoka, J. (2019, Spring). Digital mapping using photogrammetry: Documentation of Xno'ha and Tz'unun, Maya sites in northwestern Belize. GERES. Milan Italy.
- Guderjan, T. H., Leonard, J., Plumer-Moodie, H., & Hanratty, C. (2019, Spring). Dental pathology and paleodiet: Exploring spatial and temporal variability of ancient Maya subsistence practices in northwestern Belize. Presentation to the Society for American Archaeology Annual Meeting, Albuquerque, NM.

- Guderjan, T. H., Krause, S., Beach, T., & Luzzadder-Beach, S. (2019, April). Reconstructing a Maya agricultural wetland on the Rio Bravo floodplain, northwestern Belize. Presentation to the Society for American Archaeology Annual Meeting, Albuquerque, NM.
- Guderjan, T. H., Kwoka, J., & Hanratty, C. (2019, April). And here's the news from Xnoha! Understanding Maya settlement and early anthropocene landscape modifications at a small Maya center. Presentation to the Society for American Archaeology Annual Meeting, Albuquerque, NM.
- Guderjan, T. H., & Wolf, M. (2019, April). Filling in the Maya mosaic of northwestern Belize: Survey and mapping at MRP. Presentation to the Society for American Archaeology Annual Meeting, Albuquerque, NM.
- Guderjan, T. H., Beach, T., Luzzadder-Beach, S., Krause, S., Fernandez-Diaz, J. C., Eshleman, S., ... Doyle, C. (2019, June). Lidar of the three rivers of region of northwestern Belize on the Mexico and Guatemala borders. Presentation to the Congreso de los Mayaistas, Chetumal, Quintana Roo, Mexico.
- Guderjan, T. H., Kwoka, J., Hanratty, C., Beach, T., Luzzadder-Beach, S., Krause, S., & Doyle, C. (2019, June). Early onset anthropocene: Control of the landscape by the ancient Maya in northwestern Belize. Paper presented at the 17th Annual Belize Archaeology Symposium, San Ignacio, Belize: National Institute of Culture and History.
- Hanratty, C., Guderjan, T. H., Quiroz, C., Lincoln, H., & Austin, K. (2019, April). Understanding the architectural, ritual, and temporal dynamics of a Maya city: A perspective from Xnoha, Belize. Presentation to the Society for American Archaeology Annual Meeting, Albuquerque, NM.
- Helfers, R. C., & Scott, D. M. (2018, October). Texas peace officers' perceptions of their preparedness for interactions with suspected mentally ill individuals. Presentation to the Southwest Association of Criminal Justice Annual Conference (SWACJ), San Antonio, Texas.
- Helfers, R. C., & Reynolds, P. D. (2019, March). Understanding police directed violence (PDV) and fear of police directed violence among officers post-Ferguson. Paper presented at the Annual Meeting of the Academy of Criminal Justice Sciences, Baltimore, Maryland.
- Helfers, R. (2019, Spring). Mentoring new faculty: What's available and what's missing. Panel discussion at the Annual Meeting of the Academy of Criminal Justice Sciences, Baltimore, Maryland.
- Saygili, M., & Castaneda, M. A. (2018, November). Potential for moral hazard and reason of hospitalization: Evidence from two medical conditions. Presentation to the 88th Annual Conference of the Southern Economic Association, Washington, D.C.
- Saygili, M., & Castaneda, M. (2019, May). Mental health and infant mortality in east Texas: A statewide comparison. East Texas Research Conference, Tyler, Texas.
- Scott, D. M. (2018, September). Creating and sustaining domestic violence high risk teams (DVHRT) in municipalities: Best practices. Presentation to the Southern Criminal Justice Association (SCJA) Annual Conference, Pensacola, Florida.
- Scott, D. M. (2018, September). Creating awareness of domestic minor sex trafficking (DMST) in the middle and junior high school for at-risk youth. Presentation to the Southern Criminal Justice Association (SCJA) Annual Conference, Pensacola, Florida.
- Scott, D. M. (2019, March). Texas Senate Committee on Criminal Justice-March 26, 2019. Texas Senate Committee hearing on Senate Bill 971. Austin, Texas: Texas Council on Family Violence; UT Tyler.
- Scott, D. M. (2019, April). Understanding the impact of a domestic violence high risk team in your area. Presentation to the Every Victim Every Time (EVET) Conference, Bryan College Station, Texas.
- Scott, D. M. (2019, June). Essential foundations in developing and sustaining domestic violence high risk teams (DVHRTs). Presentation to the 120th Texas Police Association Conference. Longview, Texas.
- Scott, D. M. (2019, July). An introduction to lethality/ danger assessments for first responders and the impact assessments are having in high risk domestic violence investigations. Presentation to the Statewide Conference on Violence Against Women, San Antonio, Texas.
- Sills, E. C., & McKillop, H. (2018, October). Chemical analysis of obsidian as a proxy for salt distribution. Paper presented to the South-Central Conference on Mesoamerica, San Antonio, Texas.
- Sills, E. C., & McKillop, H. (2019, June). Coastal obsidian exchange: Perspectives from the Paynes Creek Salt Works, Belize. Paper presented at the 17th Annual Belize Archaeology Symposium, San Ignacio, Belize.

## Reviews

- Guderjan, T. H. (2019). Monumental Architecture and the Origins of Maya Civilization: Review of Maya E-Groups. *Current Anthropology*.



# COLLEGE OF EDUCATION AND PSYCHOLOGY



The College of Education and Psychology has a leadership philosophy of CCR: capacity, connection, and responsiveness. This is not just for general leadership. The responsibility we have for scholarship and research is embedded within this philosophy.

First, developing a greater understanding of the vital issues of our time helps build capacity both within the individual and discipline. An example is the work of the MARC on dementia. The center consistently adds capacity to the profession through publications that delve deeper into this important topic, and it is on the cutting edge in using virtual reality for diagnosis. Furthermore, the center builds capacity in students by getting them involved in the research, as well.

Getting students involved in research is something many of our faculty do, and it increases the connection our students feel to their work. Students remember their first poster presentation and publication, and along with connecting better with professors, it increases their connection to UT Tyler. This often creates lifelong learners who continue to be responsive to the needs of society.

This responsiveness is important, as each discipline has challenges that need to be addressed. For example, faculty in the College of Education and Psychology are working on increasing the socio-emotional learning of students in response to the bullying and violence epidemic we have observed in our schools. Determining ways in which socio-emotional learning can help make for safer schools is just one way the college is responsive to current needs.

Scholarship is an important component of the professional life of professors in the College of Education and Psychology. Embedded within it is the leadership components of CCR: Building capacity, increasing connection, and being responsive. The publications of 2019 helped add to our knowledge of psychology, counseling, and education in important ways.

**DR. WESLEY HICKEY**  
**DEAN OF EDUCATION & PSYCHOLOGY**

# PSYCHOLOGY AND COUNSELING

## Books

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Penn, D., Roberts, D., & Combs, D. (2018). *Social Cognition and Interaction Training for Schizophrenia* (p. 156). Tokyo, Japan: Shiewa Press.

## Chapters

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Xiong, K., Evans, T. C., & Sass, S. M. (2018). Training attention toward pleasant stimuli in anxiety using attention bias modification and electrophysiology methods in a dot-probe task. In *SAGE Research Methods Cases* (p. in press). SAGE.

## Journal Publications

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Baltrinic, E. R.; Moate, R. M.; Hinkle, M. G.; Jencius, M.; Taylor, J. Z. (2018) *The Professional Counselor*; Greensboro, (8)1, 46-59. DOI:10.15241/erb.8.1.46

Barnett, M. D., & Adams, C. M. (2018). Ageism and aging anxiety among young adults: Relationships with contact, knowledge, fear of death, and optimism. *Educational Gerontology*, 44(11), 693–700. <https://doi.org/10.1080/03601277.2018.1537163>

Barnett, M. D., & Ruiz, I. A. (2018). Psychological distress and compassion fatigue among hospice nurses: The mediating role of self-esteem and negative affect. *Journal of Palliative Medicine*, 21(10), 1504–1506. <https://doi.org/10.1089/jpm.2017.0662>

Cantu, C., Martin, K., Moore, J., Roark, M., Kovacs, A., Clark, K., & Barnett, M. (2018). Religious commitment mediates hospice nurses' social political ideology and attitudes toward euthanasia. *Innovations in Aging 2 (Suppl 1)*:281. <https://dx.doi.org/10.1093/geroni/igy023.1038>

Cantu, C., Moore, J. M., Mokhtari, B. K., Rose, D. W., Rodriguez, D., Alsaif, H. K., & Barnett, M. D. (2018, September). Cognitive reappraisal mediates between age and body image satisfaction among older adult women. *Gerontological Society of America's 2018 Annual Scientific Meeting*. Boston, MA: Gerontological Society of America. *Innovations in Aging (2) Suppl 1*: 910. <https://dx.doi.org/10.1093/geroni/igy031.3386>

Dzumba, D., Cantu, C., Humphries, N., Kovacs, A., Shelley, C., Bailey, T., & Barnett, M. (2018). Moral identity internalization, not symbolization, is associated with lower ageism among younger adults. *Innovations in Aging 2 (Suppl 1)*: 485. <https://doi.org/10.1093/geroni/igy023.1809>

Holm, J., Bevely, C., & Prosek, E. (2018). The relationship between counseling students' theoretical orientation and treatment outcomes. *The Journal of Counselor Preparation and Supervision*, 11(2). <https://repository.wcsu.edu/jcps/vol11/iss2/4>

Martin, K., Moore, J., Corley, K., Cantu, C., & Barnett, M. (2018). Perceptions of past generations, gratitude, and generativity. *Innovations in Aging 2 (Suppl 1)*: 485. <https://dx.doi.org/10.1093/geroni/igy023.1692>

McKinney, R., West, E., Fye, M., Bradley, R., & Storlie, C. (2018). Chi Sigma Iota Chapter Faculty Advisors' Experiences of Professional Counselor Identity. *Journal of Counselor Leadership and Advocacy*, 5(1), 56-70. <https://doi.org/10.1080/2326716X.2017.1422995>

Moate, R. M., Gnilka, P. B., West, E. M., & Rice, K. G. (2019). Doctoral Student Perfectionism and Emotional Wellbeing. *Measurement and Evaluation in Counseling and Development*, 52(3), 145-155. <https://doi.org/10.1080/07481756.2018.1547619>

Pace-Schott, E. F., Amole, M. C., Aue, T., Balconi, M., Bylsma, L. M., Critchley, H., Demaree, H. A., ... VanElzakker, M. B. (2019). Physiological Feelings. *Neuroscience and Biobehavioral Reviews*, 103, 267–304. <https://doi.org/10.1016/j.neubiorev.2019.05.002>

Parsons, T. D., & Barnett, M. D. (2018). Virtual apartment stroop task: Comparison with computerized and traditional stroop tasks. *Journal of Neuroscience Methods*, (309), 35–40. <https://doi.org/10.1016/j.jneumeth.2018.08.022>

Parsons, T. D., & Barnett, M. D. (2019). Virtual Apartment-Based Stroop for assessing distractor inhibition in healthy aging. *Applied Neuropsychology: Adult*, 26(2), 144–154.

Sass, S. M., Early, L. M., Long, L., Burke, A., Gwinn, D., & Miller, P. (2019). A brief mindfulness intervention reduces depression, increases nonjudgment, and speeds processing of emotional and neutral stimuli. *Mental Health & Prevention*, 13, March 2019, 58-67. <https://doi.org/10.1016/j.mhp.2018.12.002>

West, E. M., Cox, J., Guillot Miller, L., & Moate, R. (2018). Parents' Perceptions of Young Children's Social Interest Experiences. *Journal of Individual Psychology*, 74(4), 368-386. <https://doi.org/10.1353/jip.2018.0028>

## Poster Presentations

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Carver, K., Ismail, H., Reed, C., & Sass, S. M. (2019, April). Life satisfaction and anxiety: Relationships with wellbeing. Southwest Psychological Association. Albuquerque, NM: Southwest Psychological Association.

De La Garza, J., Mora, W. E., Morales, S. S., & Barnett, M. D. (2019, April). Right wing authoritarianism, social dominance orientation, and attitudes toward life extension. Southwestern Psychological Association's 2019 Annual Convention. Albuquerque, NM: Southwestern Psychological Association.

Fierro, L. A., Rose, D. W., Hephrey, J. H., Smith, L. N., Edzards, S. M., & Barnett, M. D. (2019, April). Aging anxiety, fear of death, optimism, and contact with older adults. Southwestern Psychological Association's 2019 Annual Convention. Albuquerque, NM: Southwestern Psychological Association.

- Fulcher, M., Hayes, A. R., Straske, M. D., & Baldwin, M. (2019, March). Build-a-dad: Children's relational play with LEGO blocks. Biennial Meeting of the Society for Research in Child Development. Baltimore, MD: Society for Research in Child Development.
- Hayes, A. R., Lamb, J. H., & Hixson, K. (2018, October). Math attitudes, anxiety, and future academic goals of adolescent girls and boys. Biennial Gender Development Research Conference. San Francisco, CA.
- Masters, S., Hayes, A. R., & Hixson, K. (2019, March). Perceptions of gender norms and social consequences among middle school students. Biennial Meeting of the Society for Research in Child Development. Baltimore, MD: Society for Research in Child Development.
- Romo, J., Indic, P., Sundaravadivel, P., & Sass, S. M. (2019, May). Using heart rate to detect suicidal ideation. East Texas Research Conference. Tyler, TX.
- Rose, D., Fierro, L. A., Helphrey, J. H., Smith, L. N., Edzards, S. M., & Barnett, M. D. (2019, April). Narcissus speaks: The relationship between communication styles and narcissism. Southwestern Psychological Association's 2019 Annual Convention. Albuquerque, NM: Southwestern Psychological Association.
- Rose, D., Fierro, L. A., Helphrey, J. H., Smith, L. N., Mokhtari, B. K., & Barnett, M. D. (2019, April). Cavalier humor: Perspective taking without empathic concern. Southwestern Psychological Association's 2019 Annual Convention. Albuquerque, NM: Southwestern Psychological Association.
- Sass, S. M., Evans, T. C., & Xiong, K. (2018, October). Internal reliability of a behavioral and ERP measure during a dot-probe task in a high-anxious nonpatient sample. Society for Psychophysiological Research. Quebec City, Quebec: Society for Psychophysiological Research.

## Presentations

- Hayes, A. R. (2018, October). Charting Occupational Pathways throughout the Lifespan. Biennial Gender Development Research Conference. San Francisco, CA.
- Hayes, A. R. (2019, July). Demographics and mathematics: How gender and race interest with math identity in youth. Advancing Inquiry in Middle Mathematics (AIMM) for Rural East Texas Summit. Tyler, TX: AIMM Grant.
- Kellermann, A., Bird, R., Robinson, J. L., & Kirby, L. A. J. (2019, April). Standardizing static and dynamic affective ratings for the library of affective films (LAF). 11th Annual East Texas Psi Chi Student Research Conference. UT Tyler: Psi Chi.
- Nguyen, A., Jordan, W., Pereira, D., & Kirby, L. A. J. (2019). Autonomous Sensory Meridian Response (ASMR) and adult attachment style. 11th Annual East Texas Psi Chi Student Research Conference at the University of Texas at Tyler. UT Tyler: Psi Chi.
- Patterson, M., Bigler, R., Pahlke, E., Brown, C. S., Hayes, A. R., Ramirez, M. C., & Nelson, A. (2019, March). Children's views of the 2016 U.S. Presidential Election: Gender,

racial/ethnic, and immigration issues. Biennial Meeting of the Society for Research in Child Development. Baltimore, MD: Society for Research in Child Development.

- West, E. M., & Moate, R. (2018, October). Preparing school counselors to work with students in poverty. Southern Association of Counselor Education and Supervision (SACES). Myrtle Beach: SACES Conference.
- Zolkoski, S. M., Sass, S. M., Stocks, E. L., Miller, G. J., West, E. M., & Holm, J. M. (2019, May). Promoting social and emotional learning in East Texas. East Texas Research Conference. Tyler, TX.

## Funded Grants

- Barnett, M. Virtual Reality-Based Assessment of Functional Capacities in Individuals with Alzheimer's Disease or Alzheimer's Disease Related Dementia, U.S. Army Medical Research Acquisition Activity, Department of Defense (May 1, 2019), USD \$278,974.
- Sass, S. Psi Chi Faculty Advisor Research Grant, Psi Chi International Honor Society in Psychology (March 15, 2019), USD \$1,000.



# SCHOOL OF EDUCATION

## Books

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Nutta, J., Strelbel, C., Mihai, F., Bryant, E., & Mokhtari, K. (2018). *Show, Tell, Build: Twenty Key Instructional Tools and Techniques for English Learners*. Harvard Education Press.

## Case Studies

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Miller, T., Cunha, J., Delello, J. A., Dossani, R., & Marzilli, S. Using technology to promote postsecondary success and savings: An evaluation of the University of Texas at Tyler's PATSS initiative., *RAND* 25 (2018).

## Chapters

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Delello, J. A., & Consalvo, A. (2019). "I found myself retweeting": Using Twitter chats to build professional learning networks. In *Educational technology and resources for synchronous learning in higher education* (pp. 88–108). Hershey, PA: IGI Global.

Oliveras-Ortiz, Y., & Simmons, J. (2019). Teacher evaluation and differentiated instructional supervision: A system to promote teacher growth. In *Differentiated Teacher Evaluation over the Career Span: Promoting Growth and Assuring Quality from Pre-Service to Retirement* (pp. 107–126). Cham, Switzerland: Springer.

Streim, N., Lowes, S., Herbert-Wasson, E., Colón, Y. C., Vasudevan, L., Ahn, J., & Sung, W. (2019). Developing Elementary Students' Problem Solving, Critical Thinking, Creativity, and Collaboration Through a University-school Partnership. In *Integrating Digital Technology in Education*. Charlotte, NC: Information Age Publishing.

Vaughn, V. L., & Bouillon, D. (2018). The Superintendent and School Facilities. In *Texas Public School Organization and Administration*. Kendall Hunt.

## Journal Publications

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Bouillon, D. E., Oliveras-Ortiz, Y., & Asbury, L. (2019). Purposeful design impacts student engagement. *Essentials Magazine*, 16–19.

David, A. D., & Consalvo, A. (2018). Making it stick: Tiny paper, big understandings. *Oregon English Journal*.

Delello, J. A., Hawley, H. A., McWhorter, R. R., Gipson, C. S., & Deal, B. J. (2018). Gamifying education: Motivation and the implementation of digital badges for use in higher education. *International Journal of Web-Based Learning and Teaching Technologies*, 13(4). <https://DOI: 10.4018/IJWLTT.2018100102>

Delello, J. A., McWhorter, R. R., & Goette, W. (2018). College Students' Attraction to the Mobile Augmented Reality

Game Pokémon Go. *International Journal of Gaming and Computer-Mediated Simulations*, 10(3), 1–19. <https://10.4018/IJGCMS.2018070101>

Delello, J. A., McWhorter, R. R., & Lawrence, H. (2019). Fostering a community of inquiry in online discussions. *Academic Exchange Quarterly*, 23(4). <http://www.rapidintellect.com/AEQweb/5933-how-to.pdf>

Farruggia, S. P., Han, C., Watson, L., Moss, T. P., & Bottoms, B. L. (2018). Noncognitive Factors and College Student Success. *Journal of College Student Retention: Research, Theory & Practice*, 20(3), 308–327. <https://doi.org/10.1177%2F1521025116666539>

Gao, S., & Kennedy, T. J. (2019). Intercultural Competence Development of Chinese Students after a Short-term Study Abroad Experience. *Sino-US English Teaching*, 16(5), 177–196. <https://doi:10.17265/1539-8072/2019.05.001>

Kodama, C. M., Han, C.-W., Moss, T., Myers, B., & Farruggia, S. P. (2018). Getting College Students Back on Track: A Summer Bridge Writing Program. *Journal of College Student Retention: Research, Theory & Practice*, 20(3), 350–368. <https://doi.org/10.1177/1521025116670208>

Lamb, J. H. (2018). A Secondary Approach to Teaching with Technology: There's and App for That. *Texas Mathematics Teacher*, 64(2), 27–31.

Miller, G. J. (2018). Technologies in the Classroom: Advancing English Language Acquisition. *Kappa Delta Pi Record*, 54(4), 176–181. <https://doi.org/10.1080/00228958.2018.1515546>

Oliveras-Ortiz, Y. (2018). Maximizing the impact of the supervision cycle embedded in T-TESS. *Texas Study of Secondary Education*, 27(1), 21–23.

Stevens, R. (2019). American Art: Foundations of American Identity and Character. *Journal of Social Studies and History Education (JSSHE)*, Spring 2019. <https://uh.edu/education/research/jsshe/spring-2019-issue/american-identity-rstevens.pdf>

Stevens, R. (2019). Strange Bedfellows: FDR and Churchill's Secret War. *The Social Studies Texan*, 46–49.

Thomas, C. L., Bourdeau, A. M., & Tagler, M. J. (2018). Interhemispheric communication and the preference for attitude consistent information. *Laterality: Asymmetries of Body, Brain and Cognition*, 24(3), 342–354. <https://doi.org/10.1080/1357650X.2018.1520860>

Thomas, C. L., Cassidy, J. C., & Heath, J. A. (2018). Examining the psychometric properties of the FRIEDBEN Test Anxiety Scale using exploratory structural equation modeling. *International Journal of School & Educational Psychology*, 1-14. <https://doi.org/10.1080/21683603.2018.1522281>

Thomas, C. L., Pavlechko, G. M., & Cassidy, J. C. (2019). An examination of the mediating role of learning space design on the relation between instructor effectiveness and student engagement. *Learning Environments Research*, 22, 117-131. <https://doi.org/10.1007/s10984-018-9270-4>

- Thomas, C. L., & Tagler, M. J. (2019). Predicting academic help-seeking intentions using the reasoned action model. *Frontiers in Education*, 4(59), 1-10. <https://doi.org/10.3389/feduc.2019.00059>
- Veal, W., Malone, K., Wenner, J. A., Odell, M., & Hines, S. M. (2019). Increasing science teacher candidates' ability to become lifelong learners through a professional online learning community. *Innovations in Science Teacher Education*, 4(1). <https://innovations.theaste.org/increasing-science-teacher-candidates-ability-to-become-lifelong-learners-through-a-professional-online-learning-community/>
- Zolkoski, S. M. (2019). The importance of teacher-student relationships for students with emotional and behavioral disorders. *Preventing School Failure: Alternative Education for Children and Youth*, 63(3), 236-241. <https://doi.org/10.1080/1045988X.2019.1579165>
- Zolkoski, S. M., & Lewis-Chiu, C. G. (2019). Alternative approaches: Implementing mindfulness practices in the classroom to improve challenging behaviors. *Beyond Behavior*, 28(1): 46-54. <https://doi.org/10.1177/1074295619832943>

## Other

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- Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2019). Listening to high school students: How purposefully designed spaces impact their engagement in learning. Research Report Commissioned by VLK Architects.

## Poster Presentations

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- Consalvo, A., & Thomas, C. L. (2019, April). Finding the Love: Helping Preservice Elementary Teachers (Re)Discover Engaged Reading. East Texas Research Conference. Tyler, Texas: The University of Texas at Tyler.
- Escobar, G., & Neel Dr., J. L. (2018, September). Bi-Lingual Education. Council for Educational Diagnostic Services (CEDS) National Conference. New Orleans, Louisiana.
- Hammett, W., Johnson, D., Breedlove, D., & Higginbotham, J. (2019). Providing UTeach Students with High Quality Placements. (M. R. L. Odell, Ed.), UTeach National Conference. Austin, TX.
- Kebodeaux, K., & Thomas, C. L. (2019, Spring). Examining the Role Of Personality In Selective Exposure To Information. East Texas Research Conference. University of Texas at Tyler:
- Kirby, L. A. J., Thomas, C. L., Witte, T., Heath, A., & Robinson, J. L. (2019, Summer). Validating the Affect Modulation Ability Questionnaire (AMAQ) Using Exploratory Structural Equation Modeling. Annual meeting of the of the Association for Psychological Science. Washington, D.C.
- Lusk, M., Lewis-Chiu, C., Sayman, D., & Zolkoski, S. M. (2019, Spring). Evaluating the Effectiveness of the Wraparound Process for Youth with Emotional and Behavioral Disorders. CEC Convention and Expo Conference.

- Masters, S., Rueter, J., & Dykes, F. (2018, November). Using Community of Inquiry to Understand Students' Perceptions of Supports in an Online Graduate Program of Special Education. Teacher Education Division. Las Vegas, Nevada.
- McLary (Phase II Pre-Service Teacher), K., & Neel Dr. (Research Advisor), J. L. (2018, September). The Effects of Tutorials on First Grade Students. Council for Educational Diagnostic Services (CEDS) National Conference. New Orleans, Louisiana.
- Miller, G. J., & Smith, C. (2018, November). Advocacy Stories: How, Why, and Why Now? Kappa Delta Pi 2018 Convocation. Indianapolis, Indiana: Kappa Delta Pi.
- Odell, M. R. L., Kennedy, T. J., Dyer, K., & Prieto, A. (2019, May). UT Tyler GLOBE Partnership: Fostering International Collaborations for East Texas Schools. East Texas Research Conference. Tyler Texas: University of Texas at Tyler.
- Odell, M. R. L., & Mendez, F. (2019, May). Supporting UTeach Science Teachers using the NSTA Learning Center. UTeach National Conference. Austin, TX: UTeach Institute.
- Odell, M. R. L., & Kennedy, T. J. (2019, July). Fostering International STEM Collaborations in Texas Schools. GLOBE Program Annual Conference. Detroit Michigan: The GLOBE Program.
- Oliveras-Ortiz, Y., & Hickey, W. (2019, Spring). The principalship in rural Central America: Leadership beyond the schoolhouse. AERA 2019 Annual Meeting. American Educational Research Association.
- Pyle, T., & Neel Dr., J. L. (2018, October). My Life Through Jumbled Letters. CEDLS. New Orleans, La, United States: Council for Educational.
- Thomas, C. L., & Kirby, L. A. J. (2019, Summer). The role of situational interest in the process of conceptual change. Annual Meeting of the Association for Psychological Science. Washington, D.C.
- Walden, P., & Thomas, C. L. (2019, Spring). The Validity of Severity Standards for the Cognitive Test Anxiety Scale – 2nd Edition. East Texas Research Conference. University of Texas at Tyler: University of Texas at Tyler.
- Wright, K., & Thomas, C. L. (2019, Spring). Attitude Strength Reduction as a means of dissonance reduction. East Texas Research Conference. University of Texas at Tyler: University of Texas at Tyler.

## Presentations

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- Bedre, C., & Jones, J. S. (2019). Aspiring Central Office. Texas Council of Women School Executives 35th Annual Conference. Austin, Texas: Texas Council of Women School Executives at the Texas Association of School Administrators Mid-Winter Conference 2019.
- Bourgealt, J., & Odell, M. R. L. (2019, July). US Student Research Symposia: Four Years of Development, Growth, and Building Sustainability. International GLOBE Conference. Detroit, MI: [GLOBE.gov](http://GLOBE.gov).

- Consalvo, A. (2018). The writing identities of teens. Literacy Research Association Annual Conference. Indian Wells, CA.: LRA.
- Consalvo, A. (2018, November). Feedback, Collaboration, and Publication Sites of Youth Writers. NCTE National Conference. Houston: NCTE.
- Consalvo, A. (2018, November). Small moments: Brief, frequent writing conferences in high school as a positive mediator of teen voice. NCTE National Conference. Houston: NCTE.
- Consalvo, A., & Doepker, G. M. (2018, November). Finding their voices as students and as teachers through study of children's literature. NCTE National Conference. Houston: NCTE.
- Consalvo, A. (2019, June). What's love got to do with it?: Writing instruction, professional development, and student motivation to communicate well. School Leadership Conference-2019. UT Tyler: East Texas Educational Collaborative; School of Education, UT Tyler.
- Consalvo, A., Seminson, P., Pole, K., & Arrowood, D. (2019, March). Social Media Use in University Classes. Texas Association of Literacy Educators. Waco, TX: Texas Association of Literacy Educators.
- Culclasure, B., Stocks, E. L., & Odell, M. R. L. (2019, Spring). The Effect of the New Tech Network Design on Students' Academic Achievement and Workforce Skills. AERA International Conference. Toronto Canada: AERA.
- Delello, J. A. (2018, Autumn). Building community with online students through active participation in social media groups. The University of Texas System 2018 Student Success Summit. Austin, Texas: The University of Texas System.
- Delello, J. A. (2019, June). Educator perceptions of digital devices, multitasking, and distractions in the classroom. International Society for Technology in Education (ISTE). Philadelphia: ISTE.
- Delello, J. A., Semingson, P., & Brunk-Chavez, B. (2018, Autumn). Designing and delivering online classes for student engagement and learning. The University of Texas System Student Success Summit. The University of Texas at Austin: UTA.
- Delello, J. A., Semingson, P., & Brunk-Chavez, B. (2018, Autumn). Top twelve technologies for engaging students in online learning. Northeast Texas Consortium and Center for Educational Technologies. Virtual Presentation: UTNortheast.
- Doepker, G. M. (2019, March). Beyond Elkonin Boxes: Using Multiple Shapes to Help Emergent Writers to Spell. 2019 TALE (Texas Association for Literacy Education) Conference. Waco Convention Center - Waco, Texas: TALE.
- Doepker, G. M. (2019, Spring). Using TOON Comic Books to Increase Elementary Students' Oral Reading Fluency Skills. 2019 TALE (Texas Association for Literacy Education) Conference. Waco, TX: Texas Association of Literacy Educators TALE.
- Han, C. (2019). Structural relations among perception of classroom goals, achievement goals, and grit. American Educational Research Association. Toronto, Canada.
- Jones, J. S. (2018, Autumn). Disrupting privilege and power: An autoethnography exploring the inequities in the rise to leadership. The 44th Annual Research on Women and Education Fall Conference. San Antonio, Texas: American Educational Research Association: Research on Women and Education Special Interest Group.
- Jones, J. S. (2019). Career Panel Organizer: Higher Education and Education Service Center Panel. Texas Council of Women School Executives 34th Annual Conference. Austin, TX: Texas Council of Women School Executives at the Texas Association of School Administrators Mid-Winter Conference 2019.
- Jones, J. S., & Drew, C. (2019). Transformation: Built to Last or Good to Great? Texas Association of School Administrators Midwinter 2019. Austin, Texas: Texas Association of School Administrators.
- Jones, J. S., Mize, C., Caldwell, J., Hickey, W., & Sherman, R. (2019). UT Tyler Texas Turnaround Initiative Annual Report. The University of Texas System K-12 Turnaround Convening. Austin, TX: The University of Texas System.
- Kennedy, T. J. (2018, Autumn). "ICASE and Science Education Worldwide." International Conference of NGOs, United Nations Educational, Scientific and Cultural Organization (UNESCO HQ), Paris, France. Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO).
- Kennedy, T. J. (2018, November). Inclusion and the Role of Women in Science. Tenth International Forum of NGOs in official partnership with UNESCO. Moscow, Russian Federation: United National Educational, Scientific and Cultural Organization (UNESCO) in partnership with the Russian Foundation for Peace and the Russian Academy of Sciences.
- Kennedy, T. J. (2018, November). Science in our Minds, Science for our Times: UNESCO NGO Science Questionnaire Analysis. Tenth International Forum of NGOs in official partnership with UNESCO. Moscow, Russia Federation: in partnership with the Russian Foundation for Peace and the Russian Academy of Sciences.
- Kennedy, T. J. (2019, March). National Network for Early Language Learning Southwest Regional Networking Session. Southwest Conference on Language Teaching (SWCOLT) and Texas Foreign Language Association (TFLA). Fort Worth Texas: Southwest Conference on Language Teaching (SWCOLT).
- Kennedy, T. J. (2019, April). Impact of Fulbright in Communities. Fulbright Alumni Panel, Fulbright Symposium: Human Rights & Global Education. Dallas Texas: Southern Methodist University (SMU).

- Kennedy, T. J., & Chevis-Cook, J. (2019, April). National Network for Early Language Learning Oklahoma Networking Session. Oklahoma Foreign Language Teachers Association (OFLTA) Spring Conference. Tulsa, Oklahoma: Oklahoma Foreign Language Teachers Association (OFLTA).
- Kennedy, T. J., Odell, M. R. L., Prieto, A., & Dyer, K. (2019, April). Supporting international collaboration using the GLOBE Program. NSTA Global initiatives Enhancing Science Education. St. Louis, Missouri.: National Science Teachers Association (NSTA).
- Kennedy, T. J., Brown, P. Y., Gilliam, M., & Kobayachi, M. (2019, July). Teaching Abroad in Japan. Youth Leadership Summit, Sister Cities International Annual Conference. Houston Texas: Sister Cities International Annual.
- Lamb, J. H., & Plowman, D. (2018, June). Middle mathematics matters in rural east Texas. Texas Rural Education Association Conference. Fort Worth, TX.
- Lamb, J. H., Watson, T., & Plowman, D. (2018, July). Real math, real teachers, real classrooms. Conference for the Advancement of Mathematics Teaching. Houston, TX.
- Lamb, J. H. (2019, February). Draw a mathematics teacher at work. Annual Association of Mathematics Teacher Educators Conference. Orlando, FL: Association of Mathematics Teacher Educators.
- Lewis-Chiu, C., & Zolkoski, S. M. (2018, Autumn). Increasing Motivation for Students with EBD. TECBD.
- Miller, G. J. (2018, December). 4th Annual UT Tyler Education Law Conference. UT Tyler Education Law Conference. UC Ballroom, The University of Texas at Tyler: School of Education, The University of Texas at Tyler.
- Neel Dr., J. L. (2019). Teach Me How to Talk, Read, and Think! A Literacy and Language Development Response to Intervention Model. American Educational Research Association (AERA) Conference. Toronto, Canada: American Educational Research Association.
- Odell, M. R. L. (2019, March). The STEM Education Landscape. LBJ Institute. San Marcos, TX: Texas State University.
- Odell, M. R. L., & Kessler, G. (2019). Understanding and Using Data to Improve Instruction and Learning. Alabama Noyce Conference. Tuscaloosa, AL: University of Alabama.
- Odell, M. R. L., Simmons, J., & Simmons, D. (2019, January). The TSTEM Blueprint as a Model for School Turnaround. Texas STEM Conference. San Antonio, TX: TSTEM Coalition.
- Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2018, November). The impact of learning environments on student engagement. EDspaces: The Future of Educational Facilities Conference. Tampa, FL.
- Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2018, November). Student engagement in new learning spaces: Students, teachers and principals perceptions. University Council for Educational Administration 32nd Annual Convention. Houston, TX: University Council for Educational Administration.
- Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2019, March). Learning spaces matter: Students, teachers, and principals perceptions of student engagement in new learning spaces. National School Boards Association 79th Annual Conference. Philadelphia, PA: National School Boards Association.
- Pickhart, I., & Odell, M. R. L. (2019, November). Using Outdoor Learning Environments to Build Science Skills. Conference for the Advancement of Science Teaching. Ft. Worth, TX: Science Teachers Association of Texas.
- Skelton, J., & Kennedy, T. J. (2019, March). National Network for Early Language Learning California Networking Session. California Language Teachers Association (CLTA) Spring Conference. San Jose, California.
- Suarez-Boyd, A., & Kennedy, T. J. (2019, February). National Network for Early Language Learning Colorado Networking Session. Colorado Congress of Foreign Language Teachers (CCFLT) Spring Meeting. Aurora, Colorado.
- Tunncliffe, S., & Kennedy, T. J. (2019, January). The International Council of Associations of Science Education (ICASE) Around the World. Association of Science Education (ASE) Annual Conference. Birmingham, England.
- Williams-Sloan, A. D., & Jones, J. S. (2019). Every Great Dream Begins with a Dreamer: Preparing for Tomorrow's Realities. Texas Council of Women School Executives 35th Annual Conference. Austin, Texas.





# COLLEGE OF ENGINEERING

Boyer's famous definition of scholarship includes aspects encompassing discovery, integration, application and teaching/learning. The engineering and construction management disciplines stand atop a knowledge base built upon information discovered, created and integrated across these four areas, and the College of Engineering at UT Tyler is part of a nationwide engine that continues to add to this knowledge base.

The professions of engineering and construction management are transformative endeavors that leverage creativity, critical thinking, technical skills, math and science, leadership, and ethical practices to innovate solutions for complex problems. Our faculty is composed of highly engaged individuals dedicated to student success, research excellence, and the advancement of their discipline. The College as a whole is productive across these four areas of scholarship – below, a few examples are highlighted.

In the discovery area, examples this year include Dr. Saygili's (Civil Engineering) work in exploring the seismic performance of earth slopes during earthquake, Dr. Khajah's (Mechanical Engineering) efforts in developing novel methods of finite element analysis for optimization across numerous fields including acoustics, materials design and shape selection, and Dr. Indic's (Electrical Engineering) contributions in the study of the impacts of supplemental oxygen in preterm infants.

The scholarship of discovery is a natural fit in the College of Engineering. Dr. Vechione (Civil Engineering) is applying transportation operations techniques to impact the mobility of seniors, while Dr. Souliman (Civil Engineering) has developed and is beginning to implement a hub-and-spoke bicycle lane engineered scoring system to impact this transportation mode. A further example involves Dr. Sundaravadivel (Electrical Engineering) who is applying IOT theory and process to problems such as smart metering of energy, residential water usage and detection of oil leaks.

In the area of integration, Dr. Chou (Mechanical Engineering) is using engineering approaches to explore health issues such as blood clotting and medical decontamination. Dr. Biswas (Mechanical Engineering) has provided a review of solid oxide electrolyzer cell modeling of dry carbon dioxide electrolysis, and Dr. Shirvaikar (Electrical Engineering) is integrating Image processing techniques into the field of crop management.

Teaching and learning of engineering and construction management concepts, principles and pedagogy is one of the core areas of the college. Dr. Gangone (Civil Engineering) provided insights into ethical dilemmas faced by engineering design teams and also the ways that students can contribute to hiring engineering faculty. Dr. Fumo (Mechanical Engineering) has provided examples of how to incorporate higher learning experiences in teaching fluid mechanics. Professor Boylan (Construction Management) published work on the organization and impact of a leadership and ethics training workshop for students. Dr. Goh (Mechanical Engineering) also made contributions in the area of leadership and character development of engineering students.

**DR. JAVIER KYPUROS**  
**DEAN OF ENGINEERING**

# CIVIL ENGINEERING

## Journal Publications

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- Gangone, M., Whelan, M., & Janoyan, K. (2017). Effect of Khanal, A., & Saygili, G. (2019). Seismic performance of slopes subjected to earthquake mainshock aftershock sequences. *International Journal of Geological and Environmental Engineering*, 13(5), 311–316. [doi.org/10.5281/zenodo.2702809](https://doi.org/10.5281/zenodo.2702809)
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Development of comprehensive deflection parameters to evaluate the structural capacity of flexible pavements at the network level. *International Journal of Pavement Research and Technology*, 12(4), 347–355. <https://doi.org/10.1007/s42947-019-0041-0>
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Estimated remaining fatigue life of flexible pavements based on the normalized comprehensive area ratio deflection parameter. *Canadian Journal of Civil Engineering*. <https://doi.org/10.1139/cjce-2019-0023>
- Loganathan, K., Isied, M., & Souliman, M. (2019). Temperature prediction model for flexible pavements at various depths for the states of Arizona and Minnesota. *International Journal of Forensic Engineering*, 4(2), 145–155. <https://doi.org/10.1504/IJFE.2018.098526>
- Souliman, M., Tripathi, A., & Isied, M. (2019). Mechanistic analysis and economic benefits of fiber-reinforced asphalt mixtures. *ASCE Journal of Materials in Civil Engineering*, 31(8). [https://doi.org/10.1061/\(ASCE\)MT.1943-5533.0002755](https://doi.org/10.1061/(ASCE)MT.1943-5533.0002755)
- Souliman, M., Tripathi, A., Walubita, L., & Isied, M. (2019). Performance evaluation of jointed plain concrete pavements with sealed and unsealed joints in North Texas. *Canadian Journal of Civil Engineering*, 46(7), 601–608. <https://doi.org/10.1139/cjce-2018-0531>
- Souliman, M., Zeiada, W., Arab, M., & Kaloush, K. (2019). Effect of asphalt binders with identical PG grading from different suppliers on the laboratory performance of asphalt mixture. *International Journal of Pavement Research and Technology*, 12(2), 117–124. <https://doi.org/10.1007/s42947-019-0015-2>
- Walubita, L., Nyamuhokya, T., Komba, J., Tanvir, H., Souliman, M., & Naik, B. (2018). Comparative assessment of the interlayer shear-bond strength of geogrid reinforcements in hot-mix asphalt. *Construction and Building Materials*, 191, 726–735. <https://doi.org/10.1016/j.conbuildmat.2018.10.035>
- Zavagna, P., & Souliman, M. (2018). Engineering scoring system for bicycle lane mapping development: Case study on Tyler, Texas, USA. *Jordan Journal of Civil Engineering*, 12(4).

- Zavagna, P., Khanal, A., & Souliman, M. (2019). LTPP data analysis: Factors affecting pavement roughness for the state of California. *Journal of Materials and Engineering Structures*, 5(4), 319–332.

## Poster Presentations

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- Alvarez, G., & Souliman, M. (2019, May). Hub-and-spoke Tyler bike lane project. NSF-Louis Stokes Alliance for Minority Participation (LSAMP) Student Research Showcase. El Paso, TX: University of Texas at El Paso.
- Vechione, M. M., Marrufo, C., Vargas-Acosta, R. A., Jimenez-Velasco, M. G., Gurbuz, O., Nunez-Mchiri, G. G., ... Cheu, R. L. (2018, June). Taking smart mobility to seniors: Challenges and solutions in the El Paso, Texas region. ITE Joint Texas and Western District Annual Meeting. Keystone, CO.
- Vechione, M. M., Balal, E., & Cheu, R. L. (2019, January). Analysis and modeling of lane changing behavior. Annual Meeting of the Transportation Research Board - Dwight David Eisenhower Transportation Fellowship Program. Washington, D.C.
- Vechione, M. M., & Cheu, R. L. (2019, January). Fuzzy logic-based decision models for mandatory lane changes on freeways. Annual Meeting of the Transportation Research Board. Washington, D.C.

## Presentations

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- Khanal, A., & Saygili, G. (2019, March). Aftershock record selection for the seismic performance of slopes. 4th Annual LSUS Regional Student Scholars Forum. Shreveport, LA.
- Vechione, M. M., & Gurbuz, O. (2018, September). Development of a smartphone application for seniors in urban areas. Connected Cities for Smart Mobility toward Accessible and Resilient Transportation (C2SMART) Webinar Series. El Paso, TX.
- Vechione, M. M., Marrufo, C., Vargas-Acosta, R. A., Jimenez-Velasco, M. G., Gurbuz, O., Dmitriyeva, A., ... Chow, J. Y. (2018, September). Smart mobility for seniors: Challenges and solutions in El Paso, TX and New York, NY. 4th IEEE International Smart Cities Conference (ISC2). Kansas City, MO.

## Proceedings Publications

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- Bullard, B., Gangone, M. V., & McGinnis, M. J. (2019). Examination of ethical dilemmas facing an engineering competition team. In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.

- Gc, H., & Souliman, M. (2019). Treated versus untreated aggregate bases for flexible pavements: A comparative case study in Alabama, Arizona, Arkansas, and Texas. In American Society for Engineering Education (ASEE) Gulf Southwest Conference 2019. Tyler, TX: American Society of Engineering Education.
- Gc, H., Souliman, M., Isied, M., & Walubita, L. (2019). Treated versus untreated aggregate bases for flexible pavements: A comparative case study in Alabama, Arizona, Arkansas, and Texas. In Transportation Research Board 98th Annual Meeting. Washington, D.C.: Transportation Research Board.
- Gomez-Santana, L., McGinnis, M. J., & Gangone, M. V. (2019). Digital image correlation method to measure Young's Modulus of RCA concrete mixtures. In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.
- Isied, M., & Souliman, M. (2019). Artificial neural network fatigue endurance limit predictive model for asphalt concrete pavements based on the volumetric properties. In Transportation Research Board 98th Annual Meeting. Washington, D.C.: Transportation Research Board.
- Isied, M., & Souliman, M. (2019). Prediction model for subgrade soil resilient dynamic modules utilizing basic soil characteristics for the state of Louisiana. In 7th International Conference Bituminous Mixtures and Pavements (pp. 123–129). Thessaloniki, Greece: CRC Press.
- Khanal, A., & Souliman, M. (2019). Factors affecting pavement smoothness: A study of California's pavements. In American Society for Engineering Education (ASEE) Gulf Southwest Conference 2019. Tyler, TX: American Society of Engineering Education.
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Development of comprehensive deflection parameters to evaluate the structural capacity of flexible pavements at the network level. In American Society for Engineering Education (ASEE) Gulf Southwest Conference 2019. Tyler, TX.
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Development of deflection parameters to evaluate the structural capacity of flexible pavements at the network level: Case study for the state of Texas. In Tran-SET 2019 Conference (Vol. 271, p. 08003). San Antonio, TX: EDP Sciences.
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Mechanistic empirical estimation of remaining service life of flexible pavements based on simple deflection parameters. In American Society for Engineering Education (ASEE) Gulf Southwest Conference 2019. Tyler, TX: American Society of Engineering Education.
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Mechanistic empirical estimation of remaining service life of flexible pavements based on simple deflection parameters: A case study for the state of Texas. In ASCE Airfield and Highway Pavements 2019 Conference (pp. 294–305). Chicago, IL: American Society of Civil Engineers.
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). Mechanistic empirical estimation of remaining service life of flexible pavements based on simple deflection parameters. In Transportation Research Board 98th Annual Meeting. Washington, D.C.
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2019). The development of comprehensive deflection parameters to evaluate the structural capacity of flexible pavements at the network level. In Transportation Research Board 98th Annual Meeting. Washington, D.C.: Transportation Research Board.
- McGinnis, M. J., Boylan, J., Gangone, M. V., Shirvaikar, M., & Garcia, A. C. (2019). Creation and delivery of a leadership training conference for engineering student organizations. In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.
- McGinnis, M. J., Gangone, M., Snodgrass, A., Busby, C., Nalbene, J. T., & Vechione, M. M. (2019). Student participation on faculty hiring committees - A perspective. In American Society for Engineering Education Gulf Southwest Conference. Tyler, TX.
- Oenning Fagundes, A., & Souliman, M. (2018). City of Tyler hub-and-spoke bicycles lane network. In The 53rd National Collegiate Honors Annual Conference. Boston, MA.
- Pokhrel, P., Gangone, M. V., & McGinnis, M. J. (2019). Experimental analysis of Gusset Plates using Whitmore section method. In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.
- Saygili, G., & Yildirim, Y. (2018). Strength Properties of Non-traditionally Stabilized Flexible Base Course Materials. In International Road Federation Global R2T Conference 2018. Las Vegas, NV.
- Sharma, P., McGinnis, M. J., Gangone, M. V., & Weldon, B. (2019). In-situ field monitoring of a UHPC and HPC bridge superstructure under diagnostic testing using digital image correlation. In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.
- Smolen, Z., & Saygili, G. (2019). Student-led projects to improve the understanding of engineering economics. In ASEE Gulf Southwest Conference. Tyler, TX: American Society of Engineering Education.
- Souliman, M. (2019). City of Tyler hub-and-spoke bicycle lane map development: Utilizing the improved bicycle lane engineered scoring system. In East Texas Research Conference. Tyler, TX: University of Texas at Tyler.
- Souliman, M., & Isied, M. (2019). Fatigue endurance limit model utilizing artificial neural network for asphalt concrete pavements. In ASCE Airfield and Highway Pavements 2019 Conference (pp. 42–50). Chicago, IL: American Society of Civil Engineers.

- Vechione, M. M., Marrufo, C., Vargas-Acosta, R. A., Jimenez-Velasco, M. G., Gurbuz, O., Dmitriyeva, A., ... Chow, J. Y. (2018). Smart mobility for seniors: Challenges and solutions in El Paso, TX and New York, NY. In 4th IEEE International Smart Cities Conference (ISC2). Kansas City, MO.
- Vechione, M. M., & Cheu, R. L. (2019). Fuzzy logic-based decision models for mandatory lane changes on freeways. In Annual Meeting of the Transportation Research Board. Washington, D.C.: Transportation Research Record.
- Wasti, A., McGinnis, M. J., Gangone, M. V., Weldon, B., & Bandini, P. (2019). Experimental mechanical testing of adobe clay bricks with Digital Image Correlation (DIC). In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.
- Yildirim, Y., & Saygili, G. (2018). Maintenance of porous friction course pavements. In International Road Federation Global R2T Conference 2018. Las Vegas, NV.

## Funded Grants

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- McGinnis, M. Experimental investigation of adobe wall behavior, National Science Foundation through New Mexico State University (May 1, 2019), USD \$4,000.
- Souliman, M. Develop surface aggregate classification of reclaimed asphalt pavement, Texas Department of Transportation, with the Texas Transportation Institute (May 31, 2019), USD \$12,725

# ELECTRICAL ENGINEERING

## Journal Publications

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- Travers, C. P., Carlo, W. A., Nakhmani, A., Bhatia, S., Gentle, S. J., Amperayani, V. A., ... Ambalavanan, N. (2018). Environmental or nasal cannula supplemental oxygen for preterm infants: A randomized cross-over trial. *The Journal of Pediatrics*, 200, 98-103. <https://doi.org/10.1016/j.jpeds.2018.03.010>

## Poster Presentations

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- Alvarez, M., & Sundaravadivel, P. (2019, August). Hue-Mon: An IoT-based residential light monitoring system for effective smart metering infrastructure. LSAMP Conference. El-Paso, TX: University of Texas.
- Baiji, Y., & Sundaravadivel, P. (2018, November). Smart-flow: An IoT-based residential water usage monitoring system. IEEE MetroCon. Arlington, TX: IEEE.

- Baiji, Y., & Sundaravadivel, P. (2019, April). Smart-detect: An IoT-based monitoring system for oil leak detection. SPE Data Science Convention. Houston, TX: SPE.
- Chintha, K., Indic, P., Chapman, B., & Carriero, S. (2019, June). Wearable sensor-based detection of stress and craving in patients during treatment for substance use disorder: A pilot study. The College on Problems of Drug Dependence Annual Scientific Meeting. San Antonio, TX.
- Darkey, S., Alenazi, M., Indic, P., Travers, C., Paydarfar, D., & Ambalavanan, N. (2019, May). Point process algorithm for the estimation of bi-directional cardio-respiratory interactions in preterm infants. East Texas Research Conference. Tyler, TX: The University of Texas at Tyler.
- Sallah, A., & Sundaravadivel, P. (2019, November). Amb-i: An IoT-based affective ambient monitoring system for infants. IEEE MetroCon. Arlington, TX: IEEE.

## Presentations

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- Brown, W., & Shirvaikar, M. (2019, May). Supporting students in East Texas through career and technical education (CTE) programs. East Texas Research Conference. Tyler, TX.

## Proceedings Publications

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- Maheshwary, P., Shirvaikar, M., Malche, T., & Kumar, R. (2019). Mobile detection of crop diseases for agricultural yield management. In SPIE International Conference on Real Time Image Processing and Deep Learning.
- Onyango, B., Ochoa, H., & Shirvaikar, M. (2019). Modernization of curriculum for the undergraduate digital systems course. In American Society of Engineering Education Gulf South West Conference (ASEE-GSW). Tyler, TX.
- Rachakonda, L., Sundaravadivel, P., Mohanty, S., & Kougiyanos, E. (2018). A smart sensor in the IoMT for stress level detection. In IEEE International Symposium on Smart Electronic Systems (iSES). Hyderabad, India.
- Shirvaikar, M., Ravela, R., & Grecos, C. (2019). No-reference image quality assessment based on deep convolutional neural networks. In SPIE International Conference on Real Time Image Processing and Deep Learning.

## Funded Grants

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- Indic, P. Detecting suicidal ideation from actigraphy data, Department of Veterans Affairs (April 1, 2019), USD \$22,360.
- Indic, P. RAE (Realize, Analyze, Engage): A digital biomarker based detection and intervention system for stress and craving during recovery from substance abuse disorders, National Institutes of Health Through Continue You, LLC (June 15, 2019), USD \$37,661.
- Sundaravadivel, P. Collaboration with electrical engineering faculty at UT Dallas, University of Texas at Dallas (July 1, 2019), USD \$2,000.

# MECHANICAL ENGINEERING

## Creative Productions

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Barakat, N. (2018, July). Engineering leadership and professionalism development course. College of Engineering - Yeditepe University. Istanbul, Turkey: TUBITAC.

## Journal Publications

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- Barakat, N., Bani Salim, M., & Demirocak, D. (2018). A fuzzy based model for standardized sustainability assessment of photovoltaic cells. *Sustainability*, 10(12), 1-15. <https://doi.org/10.3390/su10124787>
- Gizaw, M., Faglie, A., Pieper, M., Poudel, S., & Chou, S.-F. (2019). The role of electrospun fiber scaffolds in stem cell therapy for skin tissue regeneration. *Med One*, 4(1), 1-36. <http://doi.org/10.20900/mo.20190002>
- Khajah, T., & Villamizar, V. (2019). Highly accurate acoustic scattering: Isogeometric analysis coupled with local high order Farfield expansion ABC. *Computer Methods in Applied Mechanics and Engineering*, 349, 477–498. <https://doi.org/10.1016/j.cma.2019.03.005>
- Ming, Z., Nellippallil, A. B., Yan, Y., Wang, G., Goh, C. H., Allen, J. K., & Mistree, F. (2018). PDISIDES-A knowledge-based platform for decision support in the design of engineering systems. *Journal of Computing and Information Science in Engineering*, 18(4), 1-14. <https://doi.org/10.1115/1.4040461>
- Rizvi, H. R., D'Souza, N., Ayre, B., & Ramesh, D. (2019). Bioinspired cellular sheath-core electrospun non-woven mesh. *Emergent Materials*, 2, 127-140. <https://doi.org/10.1007/s42247-019-00043-7>
- Videla, J., Anitescu, C., Khajah, T., Bordas, S., & Atroshchenko, E. (2019). H- and p- adaptivity driven by recovery and residual-based error estimators for PHT-splines applied to time-harmonic acoustics. *Journal of Computers and Mathematics with Applications*, 77(9), 2369–2395. <https://doi.org/10.1016/j.camwa.2018.12.026>
- Wilson, A., Neuenschwander, P., & Chou, S.-F. (2019). Engineering approaches to prevent blood clotting from medical implants. *Archives in Biomedical Engineering & Biotechnology*, Iris Publishers, 1(2), 1-5. <http://doi.org/10.33552/ABEB.2018.01.000510>
- Wilson, A. C., Chou, S.-F., Lozano, R., Chou, J. Y., & Neuenschwander, P. F. (2019). Thermal and physico-mechanical characterizations of thromboresistant polyurethane films. *Bioengineering*, 6(3), 69-84. <http://doi.org/10.3390/bioengineering6030069>
- Xu, G., Li, B., Shu, L., Chen, L., Xu, J., & Khajah, T. (2019). Efficient r- adaptive isogeometric analysis with Winslow's mapping and monitor function approach.

*Journal of Computational and Applied Mathematics*, 351, 186-197. <https://doi.org/10.1016/j.cam.2018.11.003>

Xu, J., Yu, S., Goh, C. H., Liao, T., Dong, X. N., Duke, G., ... Wang, Y. T. (2019). Effect of wheelchair Tai Chi ball exercise on physical & mental health among elderly. *Medicine & Science in Sports & Exercise*, 51(6), 965. DOI: <http://dx.doi.org/10.1249/01.mss.0000563396.36093.71>

## Poster Presentations

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- Dodgen, G., & Khajah, T. (2019, April). Shape optimization of an acoustic horn using differential evolution and isogeometric analysis. East Texas Research Conference. Tyler, TX.
- Sarju, P., & Chou, S.-F. (2019, March). Electrospinning of polyester fibers for sustained drug delivery. 2019 ASEE Gulf-Southwest Section Annual Meeting. Tyler, TX..

## Presentations

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- Craig, A., Faglie, A., & Chou, S.-F. (2019, March). Engineering approach to vapor phase hydrogen peroxide decontamination. 2019 ASEE Gulf Southwest Section Annual Meeting. Tyler, TX: The University of Texas at Tyler.
- Faglie, A., Poudel, S., & Chou, S.-F. (2019, March). Engineering student engagement through undergraduate research in electrospinning of fibers. 2019 ASEE Gulf Southwest Section Annual Meeting. Tyler, TX: The University of Texas at Tyler.
- Hall, Z., Davis, J., Riddlesperger, Z., & Chou, S.-F. (2019, March). Introduction of student leaderships using a research project on impact collision. 2019 ASEE Gulf Southwest Section Annual Meeting. Tyler, TX: The University of Texas at Tyler.
- Nalbone, J. T., Fumo, N., & Hernandez, M. H. (2018, September). A multi-zone model to predict the IAQ distribution of contaminants. International Occupational Hygiene Association (IOHA) 11th International Scientific Conference. Washington D.C, U.S.A: International Occupational Hygiene Association (IOHA).
- Ogletree, S., & Biswas, M. A. R. (2019, March). A review of solid oxide electrolyzer cell (SOEC) modeling of dry carbon dioxide electrolysis. ASEE Gulf Southwest Annual Conference. Tyler, TX: The University of Texas at Tyler.
- Pieper, M., & Chou, S.-F. (2019, March). Crosslinking of polymeric films for enhanced mechanical properties in wound dressing. 2019 ASEE Gulf Southwest Section Annual Meeting. Tyler, TX: The University of Texas at Tyler.
- Reynolds, J., Ogletree, S., Hughes, A., Lim, K., Mahaffey, M., Biswas, M. A. R., & Goh, C. (2019, March). Development and analysis of a control architecture for a laboratory-scale, double pipe heat exchanger. ASEE Gulf

Southwest Annual Conference. Tyler, TX: The University of Texas at Tyler.

Sapkota, S., Faglie, A., & Chou, S.-F. (2019, March). Electrospinning of water soluble polymers. 2019 ASEE Gulf Southwest Section Annual Meeting. Tyler, TX: The University of Texas at Tyler.

Xu, J., Yu, S., Goh, C. H., Liao, T., Dong, X. N., Duke, G., ... Wang, Y. T. (2019, June). Effect of wheelchair Tai Chi ball exercise on physical & mental health among elderly. ACSM 2019-American College of Sports Medicine Annual Meeting. Orlando, FL: ACSM-American College of Sports Medicine Annual Meeting.

## Proceedings Publications

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Atroshchenko, E., Anitescu, C., Khajah, T., & Rabczuk, T. (2018). Isogeometric Collocation in Acoustics. In IGA 2018: Integrating Design and Analysis, USACM (United States Association for Computational Mechanics) Thematic Conference on Isogeometric Analysis. Austin, TX.

Barakat, N., & Jiao, H. (2019). Engineered experiential learning for STEAM interest building in pre-college students. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

Bridgeman, T., Hu, Y., Zhang, X., Chou, S.-F., Lee, S. Y., & Dong, X. N. (2019). Effect of sleep disturbances on gait performance among college students: A pilot study. In Annual Meeting of Texas Chapter of American College of Sports Medicine. Fort Worth, TX.

Dodgen, G., & Khajah, T. (2018). Shape optimization of an acoustic horn using differential evolution and isogeometric analysis. In IGA 2018: Integrating Design and Analysis, USACM (United States Association for Computational Mechanics) Thematic Conference on Isogeometric Analysis. Austin, TX.

Fumo, N. (2019). An approach for a higher learning experience in fluid mechanics. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

Goh, C. H., Yazdanshenas, A., Yazdanshenas, A., & Morrison, E. (2018). A Repositioning Method of C-Arm Using Motion Capture on the Virtual Reality Platform. In IASTEM-419th International conference on Mechanical and Aerospace Engineering. Seoul, S. Korea.

Khajah, T., & Villamizar, V. (2018). Precise isogeometric exterior acoustic analysis. In IGA 2018: Integrating Design and Analysis, USACM (United States Association for Computational Mechanics) Thematic Conference on Isogeometric Analysis. Austin, TX.

Khajah, T. (2019). Design and optimization of acoustic metamaterials for noise reduction. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

Khajah, T. (2019). Effectiveness of Tikhonov smoothing in isogeometric shape optimization of the horn speaker. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

Licci, M., Oyedele, J., & Goh, C. H. (2019). An integrated design teaching approach to student understanding of material behavior in the area of shape memory alloys. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

Ogletree, S., Biswas, M. A. R., Goh, C. H., Lim, K., Reynolds, J., Hughes, A., & Mahaffey, M. (2019). Development and analysis of a control architecture for a laboratory-scale, double pipe heat exchanger. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

Yazdanshenas, A., Yazdanshenas, A., & Goh, C. H. (2019). Integrated teaching techniques to approach fast changing vision-guided robotics market. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

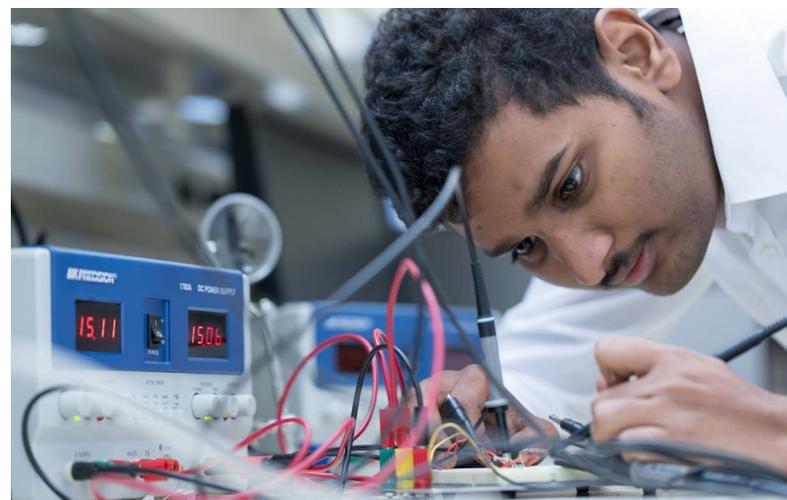
Yazdanshenas, A., Yazdanshenas, A., Safrin, K., & Goh, C. H. (2019). The importance of technology effects in developing leadership and character in engineering students. In American Society for Engineering Education Gulf Southwest Section 2019 Annual Meeting and Conference. Tyler, TX.

## Funded Grants

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Brown, F. Research initiation: Understanding the impact of engineering faculty's mindset on instructional practice, learning environment, and teacher authenticity, National Science Foundation (September 15, 2018), USD \$192,183.

Fumo, N. Airflow capture hood for residential supply registers, American Society of Heating, Refrigerating and Air Conditioning Engineers (September 14, 2018), USD \$1,500.



# COLLEGE OF NURSING AND HEALTH SCIENCES

The College of Nursing and Health Sciences (CNHS) offers a variety of health related undergraduate and graduate programs at UT Tyler. The CNHS enrollment continues to be healthy with 2,555 students in Fall 2019. Our student success initiatives achieved a retention rate of 92 percent for all first-time freshmen. Furthermore, the faculty in CNHS continues to be excellent in scholarship and creativity. Our faculty have published 60 peer-reviewed journal papers, seven book chapters, and made 61 professional presentations at international, national, or regional conferences.

The CNHS currently houses the School of Nursing, Department of Health and Kinesiology, and Institute for Integrated Healthcare.

The School of Nursing has a very competitive nursing BSN program with a 95 percent pass rate on the national license exam. MSN Family Nurse Practitioner (FNP) students had a pass rate of 100 percent on the national certification exam. Our RN-BSN online program was ranked #1 in Texas <https://www.registerednursing.org/rn-to-bsn/texas/#program-rankings>, and ranked top 25 in the nation <https://www.registerednursing.org/rn-to-bsn/#program-rankings>, by the Registered Nurse Organization in 2019. We are also adding two new nursing graduate programs: MSN in Informatics and MSN in Psychiatric Mental Health Nurse Practitioner (PMHNP). Dr. Carol Rizer, Associate Professor of Nursing, was awarded \$2.8 million from Health Resources & Service Administration (HRSA) to provide immersive clinical traineeships in rural/medical underserved areas for primary care nursing practitioner and PMHNP students. In addition, Dr. Cathy Miller, Associate Professor of Nursing, was awarded \$450,000 from the Department of Justice to design programs that offer mentoring and support services to victims of commercial sexual exploitation and domestic sex trafficking. In total, the faculty in the School of Nursing have obtained more than \$3 million in federal grants

The faculty in the Department of Health and Kinesiology continue their excellence in teaching and research activities. The overall graduate enrollment for Health and Kinesiology was up 21 percent. The Master of Occupational Therapy (MOT) program continued to grow increasing enrollment to 41 students. The Communication Sciences and Disorders (CSD) BS program had the first cohort of 24 students. The creation of a FitSteps for Life exercise center has provided individualized and structured exercise treatment specifically for patients with cancer and other chronic diseases. Dr. Cheryl Cooper, Associate Professor of Health Sciences, was awarded a research grant of \$103,976 from the National Institute for Occupational Safety and Health to investigate contributing factors on slips, trips and falls among Texas shrimp fishermen.

The Institute of Integrated Healthcare (IIH) received first donation from Project Rose Research Institute for Sports Science to conduct research in anterior cruciate ligament (ACL) rehabilitation. The IIH continued to support faculty research, to involve students in research, and to promote community health by providing Tai Chi mind-body exercises to local seniors and offering vaccine clinics for HPV.

In summary, the CNHS leadership team, faculty and staff continue to work diligently to promote student success and faculty scholar productivity, and to pursue external grant funding.

**DR. YONG TAI WANG**  
**DEAN OF NURSING AND HEALTH SCIENCES**

## Journal Publications

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- Arce-Esquivel, A. A., Haas, B. K., Hermanns, M. L., Ballard, J. E., Rizer, C. A., Kimmel, G. T., & Wang, Y. T. (2018). Effects of Tai Chi on Muscle Strength, Mobility, and Quality of Life in Patients with Peripheral Neuropathy. *International Journal of Research Studies in Medical and Health Sciences*, 3(10), 35–43.
- Brown, J. L., Lee, D. E., Rosa-Caldwell, M. E., Brown, L. A., Perry, R. A., Haynie, W. S., ... Greene, N. P. (2018). Protein imbalance in the development of skeletal muscle wasting in tumour-bearing mice. *Journal of Cachexia, Sarcopenia and Muscle*, 9(5), 987–1002. doi: 10.1002/jcsm.12354
- Dickton, D. D., & Francis, J. (2018). Case Review: Food pattern effects on milk lipid profiles. *Journal of Nutritional Health & Food Engineering*, 8(6), 467–470. doi: 10.15406/jnhfe.2018.08.00311
- Doolin, J., Cooper, C., Vilches, J., Sorensen, W., & Gipson, C. (2018). Perceived stress and worldview influence sleep quality in Bolivian and United States university students. *Sleep Health: Journal of the National Sleep Foundation*, 4(6), 565–571. doi: 10.1016/j.sleh.2018.08.006
- Francis, J., & Dickton, D. D. (2018). Emergent Acute Hypertension During Pregnancy – Anomaly or future trend? *Journal of Gynecology and Women's Health*, 13(4). doi: 10.19080/JGWH.2018.13.555866
- Francis, J., & Dickton, D. D. (2018). Feeding and refusal of expressed and stored human (FRESH) milk study - a short communication. *Journal of Nutritional Health & Food Engineering*, 8(6), 391–393. doi: 10.15406/jnhfe.2018.08.00301
- Han, A., & Brown, D. P. (2018). Perspectives of caregivers and volunteers on Stepping Stones for people with dementia. *Hong Kong Journal of Occupational Therapy*, 31(2), 86–96. doi: 10.1177/1569186118812948
- Hermanns, M. L., Rath, L. L., Haas, B. K., Arce-Esquivel, A. A., Ballard, J. E., Murley, B., & Wang, Y. T. (2018). Impact of Tai Chi on Peripheral Neuropathy Revisited: A Mixed Methods Study. *Gerontology & Geriatric Medicine*, 4, 1–9. doi: 10.1177/2333721418819532
- Liao, T., Li, L., & Wang, Y. T. (2019). Effects of a Functional Strength Training Program on Movement Quality and Fitness Performance among Girls Aged 12-13. *Journal of Strength and Conditioning Research*, 33(6), 1534–1541. doi: 10.1519/JSC.0000000000002190
- Li, L., Ru, A., Zou, S., Niu, X. H., & Wang, Y. T. (2018). Effects of Rock Climbing Exercise on Physical Fitness among College Students: A Review Article and Meta-analysis. *Iranian Journal of Public Health*, 47(10), 1440–1452.
- Li, S., Niu, G., Dong, X. N., Liu, Z., Song, C., & Leng, H. (2019). Vitamin D inhibits activities of metalloproteinase-9/-13

in articular cartilage in vivo and in vitro. *Journal of Nutritional Science and Vitaminology*, 65(2), 107–112. doi: 10.3177/jnsv.65.107

## Poster Presentations

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- Bridgeman, T., Hu, Y., Zhang, X., Chou, S.-F., Lee, S. Y., & Dong, X. N. (2019, March). Effect of Sleep Disturbances on Gait Performance among College Students: a Pilot Study. Annual Meeting of Texas Chapter of American College of Sports Medicine. Fort Worth, Texas: Texas Chapter of American College of Sports Medicine.
- Francis, J., & Dickton, D. (2018, October). Analysis of The Lactating Breast After Milk Transfer: Breastfeeding vs Electric Pumps. Protecting, Promoting and Supporting Breastfeeding from Biology to Policy - 19th Conference. Shonan Village, Japan: International Society for research on Human Milk and Lactation.
- Francis, J., & Dickton, D. D. (2019, May). Emergent Acute Hypertension During Pregnancy – Anomaly or future trend? East Texas Research Conference. University of Texas at Tyler.
- Lucas, R., Adhikari, S., Indic, P., & Francis, J. (2018, October). Changing Oral Pressure as a Measure of Feeding Efficiency. Protecting, Promoting and Supporting Breastfeeding from Biology to Policy - 19th Conference. Shonan Village, Japan: International Society for Research on Human Milk and Lactation.
- Njororai Simiyu, W. W., & Njororai, F. J. (2019, May). Walkability in Selected East Texas Counties; Physical Activity and Policy Implications. East Texas Research Conference. University of Texas at Tyler.
- Xu, J., Yu, S., Goh, C. H., Liao, T., Dong, X. N., Duke, G., ... Wang, Y. T. (2019, May). Effect of Wheelchair Tai Chi Ball Exercise on Physical and Mental Health among Elderly. Annual Meeting of American College of Sports Medicine. Orlando, Florida: American College of Sports Medicine.
- Yu, S., Xu, J., Bridgeman, T., Craft, C., Duke, G., Sass, S. M., ... Alfred, D. (2019, May). Effects of Yoga and Tai Chi on Mental Health, Pain, and Balance in College Students. Annual Meeting of American College of Sports Medicine. Orlando, Florida: American College of Sports Medicine.

## Presentations

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- Arce-Esquivel, A. A. (2018, December). Exercise is Medicine: The Evidence. International Symposium: Exercise is Medicine (Lima, Peru). Lima - Peru: School of Health Sciences - Universidad Peruana de Ciencias Aplicadas (UPC).
- Arce-Esquivel, A. A., Tulloch, A. N., & Ballard, J. E. (2019, May). Modification of Vascular Function after Acute Handgrip Exercise. ACSM's 66th Annual Meeting, 10th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Exercise, Circadian Rhythms

- and Sleep. Orlando, Florida: American College of Sports Medicine.
- Dong, X. N. (2019, August). Vibration-Induced Hamstrings Fatigue for Anterior Cruciate Ligament (ACL) Rehabilitation. The 4th International Chinese Musculoskeletal Research Conference. Shenzhen, China: International Chinese Musculoskeletal Research Society.
- Francis, J. (2018, November). Lactation Physiology. Principles of Lactation Management. Tyler, TX: Texas Health & Human Services.
- Francis, J. (2019, March). Maternal Nutrition. Principles of Lactation Management. Houston Methodist Willowbrook Hospital, Houston, Texas.
- Francis, J. (2019, May). Faster than a speeding bullet? Human Milk Velocity and Flow During Human Milk Transfer. "New Horizons in Clinical Lactation" - USLCA Annual Conference. Scottsdale, Arizona: Unites States Lactation Consultants' Association.
- Francis, J. (2019, May). Special Infant Situations. Principles of Lactation Management. Seton Medical Center, Round Rock, Texas: State of Texas Health and Human Services.
- Francis, J. (2019, August). Advances in Maternal Nutrition. Advanced Lactation Management. Fort Worth, Texas: Women, Infants, and Children (WIC) Program; Texas Health and Human Services Commission.
- Francis, J. (2019, August). Biomechanics of Lactation. Advanced Lactation Management. Tarrant County Health District, Fort Worth, Texas: Texas Health and Human Services.
- Francis, J. (2019, August). Biospecificity and Composition of Human Milk. Advanced Lactation Management. Tarrant County Health District, Fort Worth, Texas: Texas Health and Human Services.
- Hebert, J. (2018, November). Therapeutic Use of Crafts and Meaningful Occupations. TOTA MCC. Marriott Sugarland, Texas: Texas Occupational Therapy Association (TOTA).
- Njororai Simiyu, W. W. (2018, September). Post- Rio 2016 Olympic Games: Reflections on Track and Field Management in Kenya. 11th Kessa Conference. Marriot Hotel, Atlanta: Kenya Studies and Scholars Association.
- Njororai Simiyu, W. W. (2018, September). Tips for Successful Transitioning and Graduating from College. Health Science Cohort, Tyler Independent School District. TISD Technology Center: TISD.
- Njororai Simiyu, W. W., Njororai, F. J., & Peter, O. O. (2018, September). Foreignness as a constraint in American Higher Education. 11th Kessa Conference, September 6 to 9. Marriot Hotel, Atlanta: Kenya Scholars and Studies Association.
- Njororai Simiyu, W. W. (2019, May). 21st Century skills: How prepared are you? Presented to Physical Education and Sport Forum, University of Nairobi. University of Nairobi, Kenya: Department of Physical Education and Sport, University of Nairobi.
- Njororai Simiyu, W. W. (2019, May). Leadership as a constraint to sporting success in Kenya. 1st Kenya Academy of Sports International Conference. Crowne Plaza Hotel, Nairobi, KENYA: Kenya Academy of Sports.
- Njororai Simiyu, W. W. (2019, June). The 21st Century Skills for Physical Education Graduates. 2nd International Forum for Physical Education. Wuhan Sports University, Wuhan, China: Wuhan Sports University.
- Njororai Simiyu, W. W. (2019, June). Four Ds for pursuing success. Kikai Girls High School Career Forum. Kikai Girls: Kikai Girls High School.
- Njororai Simiyu, W. W. (2019, June). Training of physical education teachers in the US. Keynote address presented to the 2nd International Forum on Physical Education. Wuhan University, China: Wuhan Sports University.
- Rotich, J., Njororai Simiyu, W. W., & M'mbaha, J. M. (2018, September). Kenyan Student -Athletes in American Colleges and Universities: Current Trends, Emerging Issues and Role of Kenyan Diaspora Faculty in Enhancing their Success. 11th Kessa Conference, September 6 to 9. Marriot Hotel, Atlanta: KESSA.
- Tseng, B. (2018, October). Healthy Living for Your Brain and Body. 2018 REACH (Regional Education on Aging, Caregiving and Healthcare) Conference. Longview, TX: East Texas Council of Governments (ETCOGs) Area Agency of Aging and the Alzheimer's Association Dallas & Northeast Texas Chapter.

## Reviews

- Francis, J. (2019). Book Review - Food-Sensitive Babies, Dietary Intervention for Breastfed Babies. Clinical Lactation: Springer Publishing.



# SCHOOL OF NURSING

## Books

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Melnyk, B.M., & Fineout-Overholt, L. E. (2019). *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed., Philadelphia: Wolters Kluwer. (p. 823). International: Wolters Kluwer.

## Chapters

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Dang, D., Melnyk, B. M., Fineout-Overholt, E., Yost, J., Cullen, L., Cvach, M., ... Stevens, K. (2019). Models to Guide Implementation and Sustainability of Evidence-Based Practice. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice* 4th ed. (pp. 378–427). Philadelphia: Wolters Kluwer.

Fineout-Overholt, E., Giggelman, M., Choy, K., & Balakas, K. (2019). Teaching Evidence-Based Practice in Clinical Settings. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice* 4th ed. (pp. 497–513). Philadelphia: Wolters Kluwer.

Fineout-Overholt, L. E., Long, L. E., & Gallagher-Ford, L. (2019). Integration of Patient Preferences and Values and Clinical Expertise into Evidence-based Decision Making. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed. (pp. 219–232). Philadelphia: Wolters Kluwer.

Fineout-Overholt, E., & Melnyk, B. M. (2019). ARCC Evidence-Based Practice Mentors: The Key to Sustaining Evidence-Based Practice. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice* 4th ed. (pp. 514 – 526). Philadelphia: Wolters Kluwer.

Fineout-Overholt, E., & Stillwell, S. B. (2019). Asking Compelling Clinical Questions. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed (pp. 33–54). Philadelphia: Wolters Kluwer.

Fineout-Overholt, L. E., Stillwell, S. B., Williamson, K. M., & Cox, III, J. (2019). Teaching Evidence-Based Practice in Academic Settings. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed. (pp. 445–496). Philadelphia: Wolters Kluwer.

Fineout-Overholt, L. E., & Stevens, K. (2019). Critically Appraising Knowledge for Clinical Decision-Making. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed. (pp. 109–123). Philadelphia: Wolters Kluwer.

Grinspun, D., Melnyk, B. M., & Fineout-Overholt, E. (2019). Advancing Optimal Care with Robust Clinical Practice Guidelines. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice* 4th ed. (pp. 233–256). Philadelphia: Wolters Kluwer.

Hartzell, T., & Fineout-Overholt, E. (2019). Finding Relevant Evidence to Answer Clinical Questions. In *Evidence-based Practice in Nursing and Healthcare: A Guide to*

*Best Practice* 4th ed. (pp. 55–92). Philadelphia: Wolters Kluwer.

Melnyk, B. M., & Fineout-Overholt, E. (2019). Creating a Vision and Motivating a Change to Evidence-Based Practice in Individuals, Teams, and Organizations. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice* 4th ed. (pp. 428–443). Philadelphia: Wolters Kluwer.

Melnyk, B. M., & Fineout-Overholt, E. (2019). Making the Case for Evidence-Based Practice and Cultivating a Spirit of Inquiry. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed. (pp. 7–32). Philadelphia: Wolters Kluwer.

Melnyk, B. M., & Fineout-Overholt, E. (2019). Writing a Successful Grant Proposal to Fund Research and Evidence-Based Practice Implementation Projects. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice*. 4th ed. (pp. 654–680). Philadelphia: Wolters Kluwer.

Miller, C. L., & Storm, S. (2018). Forward. In *Becoming Navi: A novella about child sex trafficking*. Roanoke, Texas: Footprint Publishing.

O'Mathúna, D. P., & Fineout-Overholt, E. (2019). Critically Appraising Quantitative Evidence for Clinical Decision-Making. In *Evidence-based Practice in Nursing and Healthcare: A Guide to Best Practice* 4th ed. (pp. 124–188). Philadelphia: Wolters Kluwer.

Parker, C. D. (2018). Nursing informatics. In *Nursing today: Transition and trends*. (pp. 529–557). St. Louis, MO: Elsevier.

Petersen, S.W. (2018). Systems thinking, healthcare organizations, global health, and the advanced practice nurse leader. In *The Doctor of Nursing Practice*. (4rd Edition). (pp. 31–47). Sudbury, MA: Jones & Bartlett.

## Journal Publications

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Alfred, D., Chilton, J., He, Z., & Fountain, R. (2019). A Process for Teaching Research Methods in a Virtual Environment. *Journal of Professional Nursing*, 35(2), 101–104. doi: 10.1016/j.profnurs.2018.10.002

Altmiller, G., Deal, B. J., Ebersole, N., Flexner, R., Jowell, V. L., Jordan, J., ... Walker, D. (2018). Constructive feedback teaching strategy: A multi-site study of its effectiveness. *Nursing Education Perspectives*. 39(5), 291–296. doi: 10.1097/01.NEP.0000000000000385

Chang, P. Y., Wang, H. P., Chang, T. H., Yu, J. M., & Lee, S. Y. (2018). Stress, stress-related symptoms and social support among Taiwanese primary family caregivers in intensive care units. *Intensive and Critical Care Nursing*, 49, 37–43. doi: 10.1016/j.iccn.2018.05.002

Church, C., He, Z., & Yarbrough, S. P. (2018). Factors Influencing Organizational Commitment and Turnover in Nurse Residents. *The Journal of Continuing Education in Nursing*, 49(10), 482–488. doi: 10.3928/00220124-20180918-09

- Fineout-Overholt, L. E. (2019). A guide to critical appraisal of evidence. *Nursing 2019 Critical Care*, 14(3), 24–30. doi: 10.1097/01.CCN.0000554830.12833.2f
- Gipson, C., Chilton, J., Alfred, D., & Haas, B. K. (2019). Development of the Self-Efficacy for Sleep Hygiene Inventory. *Journal of Nursing Measurement*, 27(1), 87–96. doi: 10.1891/1061-3749.27.1.87
- Greer, D. B., Hermanns, M. L., Abel, W. M., & Trizah, N. (2019). Exploring Nursing Students' Smartphone Use in the Clinical Setting. *Medsurg Nursing*, 28(3), 163–182.
- Gunter, D., & Duke, G. (2019). Social support to reduce uncertainty in childhood cancer in South Texas: A case study. *Journal of Pediatric Oncology Nursing*, 36(3), 207–218. doi: 10.1177/1043454219835450
- He, Z., & Lee, S. Y. (2019). Stress to parenting competence among Black mothers of preterm infants: The role of sleep. *SLEEP*, 42(S1), A272. doi: 10.1093/sleep/zsz067.678
- Hermanns, M. L., & Greer, D. B. (2018). Building God's Kingdom through Strengths-Based Teaching. *Journal of Christian Nursing*, 35(4), E53–E54. doi: 10.1097/CNJ.0000000000000544
- Hudson, K. (2019). Engagement and coping toward resiliency: The harmonizing matrix between student nurses' engagement, successful nurses' coping, and experienced nurses' resiliency. *Journal of Nursing & Healthcare*, 4(1), 1–5. doi: [doi.org/10.33140/JNH.04.01.02](https://doi.org/10.33140/JNH.04.01.02).
- Hudson, K. (2019). Nursing student engagement: Researching the journey and its potential impact on transitions to practice. *Preventative Medicine and Community Health*, 2, 1–6. doi: 10.15761/PMCH.1000121
- Jowell, V. L. (2019). Using Systems Thinking to Implement the QSEN Informatics Competency. *Journal of Continuing Education in Nursing*, 50(9), 392–397. doi: 10.3928/00220124-20190814-04
- Kimzey, M., Mastel-Smith, B., & Seale, A. (2019). Effects of Dementia Specific Education on nursing students. *Nurse Educator*. 44(6), 338-341. doi: 10.1097/NNE.0000000000000623
- Mastel-Smith, B., Kimzey, M., & He, Z. (2018). Dementia care education for nursing students. *The Journal of Nursing Education*, 58(3), 136-143. doi: 10.3928/01484834-20190221-03
- Wang, M.-C., Lee, S.-Y., Hsu, K.-F., Lin, C.-F., Ma, M.-C., & Hsu, Y.-Y. (2018). The C-Lymph-ICF-LL version for women with gynecology cancer surgery. *European Journal of Cancer Care*, 27(6), e12940. doi: 10.1111/ecc.12940.
- Wang, M.-C., Lee, S.-Y., Hsu, K.-F., Lin, C.-F., Ma, M.-C., & Hsu, Y.-Y. (2018). Psychometric evaluation of a Chinese version of lymphoedema functioning, disability and health questionnaire for lower limb lymphoedema (C-Lymph-ICF-LL) in women with gynecological cancer surgery. *European Journal of Cancer Care*, 27(6). doi:10.1111/ecc.12940

## Other Teaching Materials

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- Miller, C. L., Greenbaum, J., Stoklosa, H., & Gibbs, H. (2019). Evaluating Human Trafficking Education Programs: Human Trafficking 101 Evaluation Tool. [HEALTrafficking.org](https://HEALTrafficking.org).

## Poster Presentations

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- Arrieta, A., Gipson, C., & Chilton, J. (2018, November). 53rd Annual Conference National Collegiate Honors Council (NCHC). (NCHC). Boston, MA: National Collegiate Honors Council (NCHC).
- Carrega, J., Lee, S. Y., Clark, P., & Lloyd, S. (2019, June). Postpartum sleep and breastfeeding outcomes among first-time mothers of health newborns. AWHONN. Atlanta, GA: Association of Women's Health, Obstetric and Neonatal Nurses.
- Chilton, J., & Gipson, C. (2018, Autumn). Development of the Adolescent and Young Adult Wellness Scale (AYAWS). National Summit for Building Healthy Academic Communities.
- Chilton, J., & Gipson, C. (2019, April). Development of the Adolescent and Young Adult Wellness Scale (AYAWS). BHAC National Summit. Columbus Ohio: BHAC National Summit on Building Cultures of Well-Being.
- Duke, G., Petersen, S. W., Lamarche, M., Yotter, C., Tseng, B., Hermanns, M., & Pearson, D. (2019, May). Effects of IASIS Microcurrent Neurofeedback on Cognition, QOL, and Biomarkers in Persons with Alzheimer's Disease: A Proposed RCT. East Texas Research Conference. UT Tyler: The University of Texas at Tyler, Jarvis Christian College.
- Greer, D. B., & Hermanns, M. (2019, May). The Lived Experience of Coping with Multiple Chronic Illnesses in Rural Elderly. East Texas Research Conference. The University of Texas at Tyler and Jarvis Christian College.
- Haas, B. K., Rinicker, S. A., & O'Connell, D. G. (2019). Psychometric Evaluation of the Physical Activity Appraisal Inventory: Adolescence and Young Adult Version. American College of Sports Medicine Annual Meeting/ World Congress on Exercise is Medicine. Orlando, FL: American College of Sports Medicine (ASCO).
- He, Z., & Lee, S. Y. (2019, June). Stress to parenting competence among Black mothers of preterm infants: the role of sleep. *SLEEP 2019*. San Antonio, TX: American Academy of Sleep Medicine and the Sleep Research Society (AASM & SRS).
- Kimzey, M., & Mastel-Smith, B. (2019, April). Impact of virtual experience on nursing students: when empathy breeds interest. 2019 Aging in America Conference. New Orleans, Louisiana: American Society on Aging.
- Marzilli, C. (2019, May). Cultural competence and nursing faculty: Implications for East Texas. East Texas Research Conference. The University of Texas at Tyler: The University of Texas at Tyler.

- Rizer, C. A., McInnis, M., & Root, K. S. (2019, May). "Allergic to Steak? The Emergence of Alpha-Gal Meat Allergy from the Lone Star Tick Bite." East Texas Research Conference. The University of Texas at Tyler: The University of Texas at Tyler; Jarvis Christian College.
- Scheinfeld, E., & Lake, P. K. (2019, May). Why is it just so hard? Making sense of end-of-life communication between adult children and their parental figures. International Association for Human Caring 40th Annual Conference. Greenville, SC: International Association for Human Caring.
- Shizhu, R. A., Deal, B. J., Haas, B. K., & O'Connell, D. G. (2019). The Impact of Text Messaging on Baccalaureate Nursing Students' Physical Activity: Single Case Design. American College of Sports Medicine Annual Meeting/ World Congress on Exercise is Medicine. Orlando, FL: American College of Sports Medicine.
- Xu, J., Yu, S., Goh, C., Liao, T., Dong, X. (Neil), Duke, G. (Gloria), ... Wang, Y. T. (Tai). (2019, Summer). Effect of wheelchair Tai Chi ball exercise on physical and mental health among the elderly. American College of Sports Medicine 66th Annual Meeting. Orlando, FL: American College of Sports Medicine.
- Yu, S., Xu, J., Bridgeman, T., Craft, C., Duke, G., Sass, S., ... Alfred, D. (2019, Summer). Effects of yoga and Tai chi on mental health, pain, and balance in college students. American College of Sports Medicine, 66th Annual Meeting. Orlando, FL: American College of Sports Medicine.
- Zhang, X., Bridgeman, T., Chou, S.-F., Dong, X., & Lee, S. Y. (2019, June). Stress, sleep, and circadian activity rhythms among college students: a preliminary report. SLEEP 2019. San Antonio, TX: American Academy of Sleep Medicine and the Sleep Research Society (AASM & SRS).

## Proceedings Publications

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- Petersen, S. (2018). PARO: An Important Solution for Symptom Control. The 10th International Symposium on Robot Therapy. Tokyo, Japan: IEEE.

## Presentations

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- Caruso, K. C., & Haas, B. H. (2018, October). Engaging and Empowering Nursing Faculty Through a Shared Governance Model. New Faculty Institute. Orlando, Florida: NurseTim, Inc.
- Chang, P.-Y., & Lee, S. Y. (2019, August). Stress and social supports among Taiwanese ICU primary family caregivers. Asian American/Pacific Islander Nurses Association (AAPINA). Taipei, Taiwan.
- Conner, D., Amaya, M., Donegan, T., Edwards, J., & Gipson, C. (2019, April). Building Cultures and Environments of Wellness in Academic Institutions: What Works! National Consortium for Building Healthy Academic Communities. The Ohio State University.
- Courville, K. A. (2018, October). How a smartphone application changes the behaviors, thinking, and attitudes of interprofessional team members: Finding mechanisms using realist evaluation. 2018 Clinical Informatics Conference. Dallas, Texas: American Nursing Informatics Association.
- Deal, B. J. (2018). Nursing Student Success Mentors: Using a Supplemental Instruction Model in Fall 2018. Student Success Summit: The Faculty Role in Student Success. Sonesta Bee Cave Austin Hotel, Austin, Texas: The University of Texas System.



- Deal, B. J. (2019, Summer). Hunting for Small Teaching Strategies to Transform Your Classroom. NETnet 2019 Summer DL Conference. The University of Texas Health Science Center at Tyler, UT North East Campus: The University of Texas Health Science Center at Tyler, NETnet.
- Fineout-Overholt, L. E., Brewer, T., Long, L. E., Holland, C., & Neidlinger, B. (2019, April). Faculty and Employer Perceived Importance of Quality and Safety Competencies (FEQSC) for Newly Graduated Registered Nurses. QSEN Rocks. Cleveland, OH: QSEN.
- Haas, B. K., Vukelja, S., Osborne, C., Jennifer, S., Trevor, D., & Gary, K. T. (2019). Effect of exercise during adjuvant chemotherapy for breast cancer. American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, IL: American Society of Clinical Oncology.
- Haas, B. K., Vukelja, S., Osborne, C., Selman, J., Davis, T., Strain, S., & Kimmel, G. T. (2019). Changing the life of East Texans with Cancer through Exercise. East Texas Research Conference. Tyler, TX: University of Texas at Tyler, UT Health Science Center, Jarvis Christian College, & Texas College.
- Hermanns, M. (2018, September). Engaging Older Adults with Parkinson's Disease in Physical Activity using Activity Trackers and an Online Support Group: A Feasibility Study. Beta Chapter of Sigma. Texas Christian University: Sigma.
- Hermanns, M. (2018, September). Physical Activity in Parkinson's Disease. Beta Alpha Chapter of Sigma Theta Tau. Fort Worth, Texas: Beta Alpha Chapter of Sigma.
- Jowell, V. L. (2019, May). Innovative Teaching Strategies Using Technology for QSEN Integration into Practice: Steps to Improving Safety. QSEN International Conference - 2019. Cincinnati, Ohio: QSEN.
- Jowell, V. L. (2019, May). Leadership, Teamwork, and Collaboration: The Lived Experience of Conducting a QSEN Research Project Across Academic Settings. QSEN International Conference - May 2019. Cincinnati, Ohio: QSEN.
- Jowell, V. L. (2019, May). Using Systems Thinking to Implement the QSEN Informatics Competency. QSEN International Conference. Cleveland, Ohio: QSEN.
- Lake, P. K. (2019, June). Course Worldview: Effects of How a Course is Taught on Outcomes of an Undergraduate Foundation Course in Evidence-based Practice. The 3rd Qilu International Young Nursing Scholars Forum & Shandong Nursing Education Conference. Jinan, China: Shandong University School of Nursing.
- Lake, P. K. (2019, June). Course Worldview: Effects of How a Course is Taught on Outcomes of an Undergraduate Foundation Course in Evidence-based Practice. Beijing Sports University. Beijing Sports University: Beijing Sports University.
- Lake, P. K., & Casterline, G. L. (2019). Discovering Your Best Through Appreciative Inquiry. International Association for Human Caring 40th Annual Conference. Greenville, SC: International Association for Human Caring.
- Marzilli, C. (2019, August). Using poverty simulation to teach DNP students online. 12th Annual Doctors of Nursing Practice Conference. Washington, DC: Doctors of Nursing Practice.
- Marzilli, C., & Koehn, M. W. (2019, May). Leading through Grace Under Fire. 2019 East Texas Leadership Summit. Tyler Junior College: Hispanic Professionals Association of Tyler.
- Mastel-Smith, B., Wallace, T., & Kimzey, M. (2018, Autumn). Dementia Care Bootcamp. Annual REACH Conference. Longview, TX: East Texas Council of Governments (ETCOGs) Area Agency of Aging.
- Mastel-Smith, B., Garner, J., & Kimzey, M. (2019, Spring). Dementia care bootcamp: An interprofessional Education program for healthcare students. Aging in America Conference. New Orleans, Louisiana: American Society on Aging.
- Parker, C. D. (2018, September). RCA: Channeling Your Inner Sherlock Holmes. ANIA 19 Annual Conference. Las Vegas, NV: American Nursing Informatics Association.

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## Reviews

- Rizer, C. A. (2018). Patient-Focused Assessment: The Art and Science of Clinical Data Gathering. Chapters 1 & 4: Jones & Bartlett.

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## Funded Grants

- Deal, B. "Stop the Bleed" Initiative, East Texas Communities Foundation (August 6, 2019), USD \$3,820.
- McAlister, B. Infant CPR Education for Pregnant Women and New Mothers in East Texas, American College of Nurse-Midwives' Foundation (October 1, 2018), USD \$500.
- Rizer, C. (PI), Petersen, S. (Co-PI), Hermanns M. (Co-PI). INTUNE: Academic-Practice Partnerships Providing Immersive Clinical Traineeships in Rural/Medically Underserved Areas for Primary Care Nurse Practitioner & Psychiatric Mental Health Nurse Practitioner Students, Health Resources and Services Administration (July 1, 2019), USD \$2,800,00.



# 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, we enrolled our pioneer class of students. Those students graduated in spring 2019, entering the profession as pharmacists well-founded in the knowledge and skills needed to establish meaningful careers in healthcare.

Fisch College of Pharmacy students learn in a progressively integrated team-based program built on fundamental scaffolding. The innovative pedagogy emphasizes communication, critical thinking, and teamwork to solve real-world problems facing patients and practitioners today.

Beginning the first semester in the program, Fisch College of Pharmacy students spend nearly 2,000 hours outside the classroom in the community working alongside pharmacists, nurses, and physicians to provide care for patients in the community and in the hospital. Over 700 practicing pharmacists have worked with our student pharmacists at nearly 600 practice sites in Texas. Our students' are building a positive reputation throughout the state.

Two departments are the academic components of the Fisch College of Pharmacy. The Department of Pharmaceutical Sciences is chaired by Dr. Rahmat Talukder and consists of eight faculty members with scholarship interests ranging from the discovery of new drugs to treat cancer to using virtual reality to augment team-based learning. The Clinical Sciences Department is chaired by Dr. Brad Brazill and consists of 20 pharmacist faculty who have varied areas of practice specialty meeting the needs of students and patients in East Texas. Scholarship interests include health literacy, drug development, cancer treatment, substance misuse, transitions of care, and a host of other topics.

**DR. LANE BRUNNER**  
**DEAN OF PHARMACY**

## Chapters

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- Cho, J. C. (2018). Anthelmintic Drugs. In Lippincott's Illustrated Reviews – Pharmacology (7th Edition).
- Cho, J. C. (2018). Antiprotozoal Drugs. In Lippincott's Illustrated Reviews – Pharmacology (7th Edition).

## Journal Publications

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- Cho, J. C., Dunn, R. L., Yu, F., Lored, G. A., & Brazill, B. J. (2018). Characteristics of antimicrobial stewardship programs in rural East Texas hospitals. *J Hosp Infect*, 100(3), 270–5. doi: 10.1016/j.jhin.2018.04.022
- Deng, B., Fenn, N., & Plake, K. S. (2019). Impact of a teaching objective structured clinical examination (TOSCE) on student confidence in a pharmacy skills laboratory. *Curr Pharm Teach Learn*, 11(2), 145–54. doi: 10.1016/j.cptl.2018.11.009
- Fenn, N., Gadbois, N. R., Seamon, G. J., Castek, S. L., & Plake, K. S. (2019). Development of a unique student pharmacist internship in a primary care provider system. *Pharmacy*, 7(2), 36. doi: 10.3390/pharmacy7020036
- Lock, S. C., Le, A. D., Dunn, R. L., & Cho, J. C. (2019). Preventing pain medication duplications: a pharmacy-led intervention program. *Pain Medicine*, 20(6), 1255–56. doi: 10.1093/pm/pny321
- Oshikoya, K. A., Wharton, G. T., Avant, D., Van Driest, S. L., Fenn, N., Lardieri, A., ... McMahon, A. W. (2018). Serious adverse events associated with off-label use of azithromycin or fentanyl in children in intensive care units: A retrospective chart review. *Pediatric Drugs*, 21(1), 47–58. doi: 10.1007/s40272-018-0318-9
- Sharpton, R. A., Yu, F., & Shoair, O. (2019). Comparison of pharmacy students' perceptions and attitudes toward spirometry first-hand experience versus paper-based active learning. *Currents in Pharmacy Teaching and Learning*, 11(2), 192–197. doi: 10.1016/j.cptl.2018.11.012
- Yang, T. (2019). Baloxavir marboxil: the first cap-dependent endonuclease inhibitor for the treatment of influenza. *Ann Pharmacother*, 53(7), 754–759. doi: 10.1177/1060028019826565
- Yang, T., Cutshall, T., Tatara, A., & Ruegger, M. (2019). Combined Insulin and GLP-1 Receptor Agonists: Simplifying Treatment or Adding Obstacles? *J Pharm Pract*, 32(4), 447–449. doi: 10.1177/0897190017753041

## Other

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- Wallace, T., & Yu, F. (2019). Making the GRADE: It's time to AGREE on better CPGs. *iForumRX*.

## Poster Presentations

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- Fenn, N. (2018, December). Pharmacy students' perceptions on the care of patients based on citizenship status. The 53rd ASHP Midyear. Anaheim, CA: American Society of Health-System Pharmacists.
- Fenn, N., & Sierra, C. M. (2019, March). Precepting when the student's primary language is not English. PPAG Webinar. Online: Pediatric Pharmacy Advocacy Group.
- Fenn, N. (2019, July). A global review of academic dishonesty in pharmacy education. 2019 AACP Annual Meeting. Chicago, IL: American Association of Colleges of Pharmacy.
- Fenn, N., Smith, J., Romerill, D. B., & Brazill, B. J. (2019, July). Incorporating wrappers to improve pharmacy student self-assessment post-examination. 2019 AACP Annual Meeting. Chicago, IL: American Association of Colleges of Pharmacy.
- Galeano, K., Sillas, N., Parmentier, B. L., & Cho, J. C. (2018, December). An assessment of barriers to medical disposal programs among Hispanics. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, CA.
- Iginla, N., Adeshola, O., Shipman, D., & Parmentier, B. L. (2018, December). Naloxone availability in pharmacies in Smith County, Texas. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, CA.

## Presentations

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- Fenn, N. (2019, April). Is your CV ready? Tips and tricks for residency and beyond. PPAG 27th Annual meeting. Oklahoma City, OK: Pediatric Pharmacy Advocacy Group.
- Newsome, J. S. (2018, October). Team-Based Learning: Five Heads are Better than One. UC Davis Pre-Health Conference. Davis, California: UC Davis.
- Sierra, C. M., & Fenn, N. (2019, July). Precepting students when English is not their first language. AACP Annual Meeting. Chicago, IL: American Association of Colleges of Pharmacy.
- Addressing Antipsychotic Induced Akathisia. Continuing education the University of Texas Southwestern.
- 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.

# PHARMACEUTICAL SCIENCES

## Chapters

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Hamouda, A. K. (2018). An animal model to test reversal of cognitive decline associated with beta amyloid pathologies. In *Psychiatric Disorders: Methods and Protocols*, 2nd edition.

## Journal Publications

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- Coyne, L., Sharpton, R. A., Parmentier, B., Merritt, T., & Takemoto, J. K. (2019). The past, present, and future of virtual reality in pharmacy education. *American Journal of Pharmaceutical Education*, 83(3), 7456. doi: 10.5688/ajpe7456
- Echeverri, M., Unni, E., Harpe, S. E., Kavookjian, J., Alkhateeb, F., Ekong, G., & Law, A. (2019). A multi-school validation of a revised scale for assessing cultural competence in pharmacy students. *American Journal of Pharmaceutical Education*, 83(3), 6602. doi: 10.5688/ajpe6602.
- Glavy, J. S. (2019). Novel spiral structured nerve guidance conduits with multichannels and inner longitudinally aligned nanofibers for peripheral nerve regeneration. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, 107(5), 1410-1419. doi: 10.1002/jbm.b.34233.
- Glavy, J. S. (2019). Nucleoporin Nup155 is part of the p53 network in liver cancer. *Nature Communications*, 14(10), 2147. doi: 10.1038/s41467-019-10133-z
- Glavy, J. S. (2019). The quest for the blueprint of the nuclear pore complex. *Protein Journal*, 38(4), 363–376. doi: 10.1007/s10930-019-09858-z
- Johnson, C., & Takemoto, J. K. (2019). A review of beneficial low-intensity exercises in diabetic peripheral neuropathy patients. *Journal of Pharmacy and Pharmaceutical Sciences*, 22(1), 22-27. doi: 10.18433/jpps30151
- Lin, Z., Phadke, S., Lu, Z., Beyhan, S., Abdelaziz, M., Reilly, C., & Schmidt, E. W. (2018). Onydecalsins, fungal polyketides with anti-histoplasma and anti-TRP activity. *J. Nat. Prod.*, 81(12), 2605–2611. doi: 10.1021/acs.jnatprod.7b01067

## Poster Presentations

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- Deba F., Munoz K., Tairu A., Hamouda AK. (2018) Deba, F., Peterson, S. L., & Hamouda, A. K. (2019). Assessing the cognitive-enhancing effect of desformylflustrabromine in rat model of A $\beta$ -induced cognitive impairment. Annual Meeting at Experimental Biology 2019. Orlando, Florida.: ASPET.
- Hamouda, A. K. (2018, November). Pharmacological characterization of CMPI interaction with ( $\alpha$ 4) $\beta$ 2 Neuronal Nicotinic Acetylcholine Receptors. Society for Neuroscience Annual Meeting. San Diego, CA: Society for Neuroscience.

- Hamouda, A. K., Deba, F., Onyejebu, D., & Qazait, N. (2019, May). Examining desformylflustrabromine Effect as Multi-Target Direct Ligand (MTDL) for Alzheimer's Disease. Student National Pharmaceutical Association National Convention. Houston, TX: Student National Pharmaceutical Association.
- Hamouda, A. K., Deba, F., Qazait, N., & Onyejebu, D. (2019, May). Cholinergic Cognitive Enhancers with Disease-Modifying Properties. East Texas Research Conference. The University of Texas at Tyler: The University of Texas at Tyler.
- Hamouda, A. K., Deba, F., Shiraz, A., & Peredia, E. (2019, May). The Use of Concatemer Subunit Constructs to Study the Pharmacology of  $\alpha$ 4 Neuronal Nicotinic Acetylcholine Receptor. East Texas Research Conference. The University of Texas at Tyler: The University of Texas at Tyler.
- Islam, M. A., & Talukder, R. M. (2018, October). Status of Scholarship of Teaching and Learning in US Colleges and Schools of Pharmacy. International Society of Scholarship of Teaching and Learning Annual Conference. Bergen, Norway: International Society of Scholarship of Teaching and Learning (ISSoTL).
- Parmentier, B., Sharpton, R. A., Merritt, T., Coyne, L., & Takemoto, J. K. (2019, March). Distance Team-Based Learning with Virtual Reality: Is Social Interaction Enough? 18th Annual Team-Based Learning Conference. Tampa, Florida: Team-Based Learning Collaborative.
- Talukder, R. M., Islam, M. A., & So, Y. (2018, October). Faculty Development and Reward Structures to Promote SoTL in US 4-year Colleges and Universities. International Society of Scholarship of Teaching and Learning Annual Conference. Bergen, Norway: International Society of Scholarship of Teaching and Learning (ISSoTL).

## Presentations

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- Burns, C., Azab, A., & Takemoto, J. K. (2019, March). Effective Mentoring for Educator. 18th Annual Team-Based Learning Conference. Tampa, Florida: Team-Based Learning Collaborative.
- Coyne, L., Merritt, T., & Takemoto, J. K. (2019, March). Using Virtual Reality to Provide Distance TBL with a Sense of Presence. 18th Annual Team-Based Learning Conference. Tampa, Florida: Team-Based Learning Collaborative.

## Grants

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- Abdelaziz, M. Optimizing the Expression of Kinases in E. Coli, American Association of University Women (July 1, 2019), USD \$26, 650.
- Coyne, L. (PI), Takemoto, J. (Co-PI), Sharpton, R. (Co-PI), Parmentier, B. (Co-PI), Merritt, T. (Co-PI). Learning the Autonomic Nervous System in Virtual Reality: A Pilot Study, American Association of Colleges of Pharmacy (June 1, 2019), USD \$3,968.



# SOULES COLLEGE OF BUSINESS

The students, faculty, and staff in the Soules College of Business are committed to completing high-quality research and scholarly activities leading to the discovery of new ideas, innovations, and technologies that will have a critical impact on educational, economic, technological, societal, and environmental challenges facing East Texas and beyond.

Through superior-quality theoretical, applied, and pedagogical research, the Soules College of Business faculty brings new knowledge into the classroom to ensure our students receive a relevant, transformative, and remarkable education to successfully compete for jobs in today's highly competitive global economy.

The Soules College of Business's commitment to scholarly and educational excellence has not gone unnoticed by leaders in both higher education and business. This year alone, the college received accolades from over thirty organizations including the Wall Street Journal; U.S. News and World Report, and [intelligent.com](#). The college is also honored to hold two prestigious international accreditations for educational quality and scholastic achievement from the Association to Advance Collegiate Schools of Business (AACSB) and the Association of Technology, Management, and Applied Engineering (ATMAE).

During the recent academic year, the faculty within the Soules College of Business completed a record number of journal publications, presentations, academic proceedings, doctoral dissertations, poster sessions, book chapters, manuscript reviews, and a book. Faculty members were also selected for numerous leadership and editorship positions in their professional and academic field of study due to their reputation for scholarly and educational excellence.

At the Soules College of Business, we are dedicated to completing research activities and projects with our undergraduate and graduate students. We believe that by engaging our students in scholarly activities, we are providing them with the skills and knowledge necessary to fulfill their academic goals and professional aspirations. During the recent academic year, undergraduate and graduate students collaborated with Soules College of Business faculty in numerous research efforts that resulted in poster presentations, conference presentations, and published articles.

Finally, an important metric to measure the intellectual success of a college is the amount of grants the faculty receive to support their professional and scholarly efforts. The Soules College of Business received over \$1 million in grants and support.

The Hibbs Institute for Business and Economic Research continues to be the most respected and reliable source for timely and valuable economic and business information for the East Texas region and beyond. The institute produces countless economic briefs, newsletters, whitepapers, and technical reports to ensure community and business leaders have the information they need to continue to grow their businesses and hire more employees across East Texas.

I would like to congratulate the members of the Soules College of Business family for another remarkable year of scholarly and research success!

**DR. ROBERT BEATTY**  
**DEAN OF BUSINESS**

# COMPUTER SCIENCE

## Journal Publications

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- Burns, A. J., Roberts, T. L., Posey, C., Bennett, B. J., & Courtney, J. F. (2018). Intentions to Comply Versus Intentions to Protect: A VIE Theory Approach to Understanding the Influence of Insiders' Awareness of Organizational SETA Efforts. *Decision Sciences*, 49(6), 1187–1228. <https://doi.org/10.1111/deci.12304>
- Kulkarni, A. D. (2018). Generating Classification Rules from Training Samples. *International Journal of Advance Computer Science and Application*, 9(6), 1–6. <http://dx.doi.org/10.14569/IJACSA.2018.090601>
- Kulkarni, A. D., & Brown, L. L. (2019). Phishing Websites Detection using Machine Learning. *International Journal of Advanced Computer Science and Applications*, 10(7), 8–13. <https://dx.doi.org/10.14569/IJACSA.2019.0100702>
- Labeledz Jr., C., & Schumaker, R. P. (2018). What Does Publicly Available Soccer Match Data Actually Tell Us. *Communications of the IIMA*, 16(3).
- Schumaker, R. P. (2018). Machine Learning the Harness Track: A Temporal Investigation of Race History on Prediction. *Journal of Information Technology and Information Management*, 27(2).
- Schumaker, R. P., & Maida, N. (2018). A Descriptive Analysis of Abnormal Stock Price Movement Following Financial News Article Release. *Communications of the IIMA*, 16(1).
- Zhang, W., Tu, J., & Wu, L. (2019). A multi-start iterated greedy algorithm for the minimum weight vertex cover P3 problem. *Applied Mathematics and Computation*, 349, 359–366. <https://doi.org/10.1016/j.amc.2018.12.067>

## Poster Presentations

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- Kulkarni, A. D., & Brown III, L. L. (2019, May). Malicious URL Detection Using Machine Learning Techniques. East Texas Research Conference. Tyler, TX: University of Texas at Tyler.

## Publications

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- Dixit, R. R., Schumaker, R. P., & Veronin, M. (2018, October). A Decision Tree Analysis of Opioid and Prescription Drug Interactions Leading to Death Using the FAERS Database. *International Information Management Association (IIMA-2018)*.
- Kulkarni, A. D. (2019, May). Monitoring hydrilla growth on lake Tyler using satellite images. East Texas Research Conference. University of Texas at Tyler: University of Texas at Tyler.
- Roberts, T. L. (2019, January). *Cyber Conflict and Geopolitics. Great Decisions - Tyler*. Tyler, TX: Great Decisions.
- Veronin, M., Schumaker, R. P., Dixit, R. R., & Ogwo, M. (2018, October). Irony of the FAERS Database: An Analysis of Data Input Errors and Potential Consequences. *International Information Management Association (IIMA-2018)*.

## Proceedings Publications

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- Elath, H., Dixit, R. R., Schumaker, R. P., & Veronin, M. (2018). Predicting Deadly Drug Combinations through a Machine Learning Approach. In *Pacific Asia Conference on Information Systems (PACIS-2018)*.
- Huang, Y., Hou, B., Liu, W., Wu, L., Rainwater, S., & Gao, S. (2019). On Approximation Algorithm for the Edge Metric Dimension Problem. In the proceedings of the 13th International Conference on Algorithmic Aspects in Information and Management (AAIM) 2019. Beijing, China.
- Luo, C., Wu, L., Chen, W., Wang, Y., Li, D., & Wu, W. (2019). Trajectory Optimization of UAV for Efficient Data Collection from Wireless Sensor Networks. In the proceedings of the 13th International Conference on Algorithmic Aspects in Information and Management (AAIM).

## Funded Grants

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- Rainwater, S. Louis Stokes STEM Pathways and Research Alliance: University of Texas System LSAMP, National Science Foundation (September 1, 2018), USD \$145,400.

# FINANCE, ACCOUNTING AND BUSINESS LAW

## Journal Publications

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- Bailey, C. D., Fessler, N. J., & Laird, B. K. (2019). Performance-Based Pay, Performance Monitoring, and Dishonest Behavior: The Plot Thickens. *Advances in Management Accounting*, 31(Chapter 4), 91–112. <https://doi.org/10.1108/S1474-787120190000031005>
- Benson, B., James, H. L., & Park, J. C. (2019). Heterogeneity in the managerial equity incentives on firm value. *Financial Review*, 54(3), 583–638. <https://doi.org/10.1111/fire.12185>
- Borah, N., & James, H. L. (2018). Board Leadership Structure and Corporate Headquarters Location. *Journal of Economics and Finance*, 44, 35–58. <https://doi.org/10.1007/s12197-019-09475-7>
- Borah, N., James, H. L., & Park, J. C. (2019). Does CEO inside debt compensation benefit both shareholders and debtholders? *Review of Quantitative Finance and Accounting*, 54(1), 159–203. <https://doi.org/10.1007/s11156-018-00786-0>

- Fessler, N. J. (2018). Texas Products. IMA Educational Case Journal, 11(3), Article 2.
- Fischer, M., & Holmes, A. F. (2018). Tax Abatement Disclosures: An Exploratory Study of Professional's Perception and Early Disclosure of GASB Statement No. 77. Journal of Applied Business and Economics, 20(8), 60–71. <https://doi.org/10.33423/jabe.v20i8.212>
- Fischer, M., & Marsh, T. (2018). California Water: Why It's Not Just About Water. Journal of Strategic Innovation and Sustainability, 13(4), 83–92. <https://doi.org/10.33423/jsis.v13i4.94>
- Fischer, M., & Marsh, T. (2018). Corporate Inversion and its Impact on Corporate Tax Revenue. Journal of Business and Accounting, 11(1), 154–162.
- Fischer, M., & Marsh, T. (2018). Determinants of State Audit Delay: An Empirical Analysis. Journal of Accounting and Finance, 18(9), 79–97. <https://doi.org/10.33423/jaf.v18i9.124>
- Fischer, M., & Marsh, T. (2018). Local County Hospital: A Review of Challenges and Opportunities. American Journal of Management, 18(4), 22–32. <https://doi.org/10.33423/ajm.v18i4.181>
- Fischer, M., & Gordon, G. (2019). Internal Audit and Higher Education: Survey of ACUA Members Reveals Interesting Relationships. College and University Auditors Journal.
- Gordon, G. (2018). The Cost-Effectiveness of Public Higher Education: Integrating Accounting and Quality to Assess Value. Journal of Accounting and Finance, 18(10), 19–30. <https://doi.org/10.33423/jaf.v18i10.231>
- Gordon, G., & Fischer, M. (2018). The Need for Performance Management Systems In Public Higher Education. Journal of Higher Education Theory and Practice, 18(7), 79 – 94. <https://doi.org/10.33423/jhetp.v18i6.151>
- Gordon, G., & Fischer, M. (2018). Utilization of Internal Auditors in Higher Education. Internal Auditing, November/ December, 33(6), 33–40.
- Gordon, G. (2019). Linking Costs to Outcomes in Higher Education to Highlight a Path to Greater Efficiency and Effectiveness. Cost Management, 12–20.
- Hsieh, C., Pandey, V. K., & Wang, H. (2019). Executive compensation of immigrant-founder firms in the USA. International Journal of Managerial Finance, 1743-9132. <https://doi.org/10.1108/IJMF-09-2017-0197>
- Jones, J. R., Holmes, A. F., Fischer, M., & Cole, B. (2019). Financial information transfer in municipal government: An exploratory examination of government financial officers' communication. Journal of Public Budgeting, Accounting and Financial Management, 31(2), 197-217. <https://doi.org/10.1108/JPBAFM-07-2018-0064>
- Wu, C. Y., Wooldridge, B. R., Kuntze, R., & Whang, Y. (2018). Improving Financial Literacy in College Business Students: Modernizing Delivery Tools. International Journal of Bank Marketing, 37(4), 976-990. <https://doi.org/10.1108/IJBM-03-2018-0080>

## Other

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- Holmes, A., Marshall, D., Fischer, M., Flasher, R., Jessup, C., & Moore, L. (2018). Response to GASB Invitation to Comment on: "Financial Reporting Model Improvements - Government Funds (Project No. 3-251)" Journal of Government & Nonprofit Accounting.

## Presentations

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- Benson, B., James, H. L., & Park, J. C. (2018). So far away from me: firm location and managerial ownership effect on firm value. Financial Management Association Annual Meeting.
- Cowart, T. W. (2019, August). One Buffalo in Texas: Legal and Ethical Issues in Native American Gaming Operations. Academy of Legal Studies in Business Annual Conference. Montreal: ALSB.
- Cowart, T. W., Trautman, L., Sanney, K., Yordy, E., & Sewell, D. (2019, August). Beginning to Think about Ethics in an Age of Rapid Technological Change. JLSE Article Development Colloquium. Montreal: Academy of Legal Studies in Business Annual Conference.
- Fessler, N. J., & Willis PhD, CPA, CGMA, V. F. (2019, March). How to Table: A Student Guide to the Formatting and Presentation of Accounting Information. American Accounting Association - Southwest Regional Meeting. Houston, TX.
- Fischer, M. (2019, January). Intermediate College and University Financial Reporting. NACUBO Intermediate Financial Accounting. Orlando: National Association of College and University Business Officers.
- Fischer, M., & Jessup, C. (2019, March). Accounting Changes and Errors: An investigation of State and Local Government Reporting. AAA GNP Annual Mid-year meeting. Norwalk: AAA GNP Section.
- Fischer, M. (2019, March). Journal Editors Panel. Decision Science Institute Southwest Region 2019 Annual Meeting. Houston, TX: SWDSI.
- Fischer, M., & Marsh, T. (2019, March). Municipality Stress: An Investigation of Bankruptcy, Financial Issues and Consequences. Decision Science Institute Southwest Region 2019 Annual Meeting. Houston, TX: SWDSI.
- Fischer, M. (2019, July). Basic College and University Accounting and Reporting. College Business Management Institute. Lexington, KY: SACUBO.
- Fischer, M. (2019, July). Fundamentals of College and University Accounting. College Business Management Institute. University of Kentucky: SACUBO.
- James, H. L. (2019, March). CEO age and tax planning. Southwestern Finance Annual Meeting.
- James, H. L., & Wang, hongxia. (2018). Independent director tenure and dividends. Financial Management Association Annual Meeting.

## Proceedings Publications

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Fischer, M., & Marsh, T. (2019). Financial Statements Note Disclosure: An Analysis of Public Two-Year Colleges. In American Accounting Association - Southwest 2019 Annual Meeting, Houston, TX.

# HUMAN RESOURCE DEVELOPMENT

## Chapters

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- Ellinger, A. D., Beattie, R. S., & Hamlin, R. G. (2018). The manager as coach. In *The complete handbook of coaching* (3rd ed.) (pp. 262–278). Sage.
- Marsick, V. J., Watkins, K. E., Ellinger, A. D., & Wofford, M. G. (2018). The evolving Marsick and Watkins (1990) theory of informal and incidental learning. In *New Directions for Adult and Continuing Education sourcebook* entitled, "Update on Informal and Incidental Learning Theory". Wiley.

## Journal Publications

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- Bennett, E. E., & McWhorter, R. R. (2019). Social Movement Learning and Social Innovation: Empathy, Agency, and the Design of Solutions to Unmet Social Needs. *Advances in Developing Human Resources*, 21(2), 224–249. <https://doi.org/10.1177%2F1523422319827939>
- Berrios, J., & Nimon, K. (2018). metaBUS: A tool for informing HRD theory, research, and practice. *New Horizons in Adult Education and Human Resource Development*, 30(3), 78–88. <https://doi.org/10.1002/nha3.20227>
- Holland, D., Kraha, A., Zientek, L. R., Nimon, K., Fulmore, J., Johnson, U., ... Henson, R. K. (2018). Reliability generalization for the Motivated Strategies for Learning Questionnaire: A meta-analytic view of reliability estimates. *SAGE Open*, 1–29. <https://doi.org/10.1177%2F158244018802334>
- Liu, Y., Wang, G. G., & Chen, Y. (2019). Why are Corporations Willing to Take on Public CSR? An Organizational Traits Approach. *Sustainability*, 11(2), 524. <https://doi.org/10.3390/su11020524>
- Werner, J., Anderson, V., & Nimon, K. (2019). Human Resource Development Quarterly and human resource development: Past, present, and future. *Human Resource Development Quarterly*, 30, 9–15. <https://doi.org/10.1002/hrdq.21340>
- Yu, M., Zheng, X., Wang, G. G., Dai, Y., & Yan, B. (2018). When does Motivation to Learn Reduce Innovative Behavior? An Examination of Mediated-Moderation Model. *Baltic*

Journal of Management, 13(4), 564–581. <https://doi.org/10.1108/BJM-09-2017-0279>

## Poster Presentations

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- Brown, B., Keiffer, G., Fulmore, J., & Nimon, K. (2019, February). Techniques when noninvariance is found: An extension of Nimon and Reio (2011). Academy of Human Resource Development 2019 International Research Conference in the Americas. [https://www.ahrd.org/page/conference\\_archive#hrd2019](https://www.ahrd.org/page/conference_archive#hrd2019)
- Justin, R., & Nimon, K. (2019, February). Public datasets: An alternative to convenience sampling for quantitative research. Academy of Human Resource Development 2019 International Research Conference in the Americas. [https://www.ahrd.org/page/conference\\_archive#hrd2019](https://www.ahrd.org/page/conference_archive#hrd2019)
- Nimon, K., Ray-Mukherjee, J., & Morris, D. (2018). Predictor importance with commonality coefficients in multilevel models in ecology. Ecological Society of America Conference.

## Presentations

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- Chapman, D., Ellinger, A. D., & McWhorter, R. R. (2019, February). Exploring the Consequences of Denied Promotions Among Associate Pastors Serving As Internal Interims Within A Religious Denomination. Academy of Human Resource Development International Conference.
- Chretien, J., & Nimon, K. (2019, February). CFA marker technique: Assessing common method variance and bias. Academy of Human Resource Development 2019 International Research Conference in the Americas. [https://www.ahrd.org/page/conference\\_archive#hrd2019](https://www.ahrd.org/page/conference_archive#hrd2019)
- DuPlessis, J., Ellinger, A. D., & Nimon, K. F. (2019, Spring). Examining the relationships among managerial coaching, job crafting, and job engagement in the skilled trades. UFHRD Conference Newcastle, England. Newcastle England: UFHRD.
- Hamlin, R. G., Ellinger, A. D., & Jones, J. (2018, Spring). Understanding evidence-based organizational change and development practice: Insights gleaned from culturally diverse "critically reflective case histories." UFHRD Conference Newcastle, England. Newcastle England: UFHRD.
- Mull, M., Renbarger, R., Matteson, S. M., Morgan, G., & Nimon, K. (2019, February). Teaching research methods: Innovation in the pedagogy of quantitative and qualitative courses. Annual Meeting of the Southwest Educational Research Association. <http://sera-edresearch.org/2019Program.pdf>
- Nimon, K., & Williams, C. (2018). Program evaluation in public school environments. annual meeting of the American Psychological Association. [https://irp-cdn.multiscreensite.com/a5ea5d51/files/uploaded/APA18\\_Program.pdf](https://irp-cdn.multiscreensite.com/a5ea5d51/files/uploaded/APA18_Program.pdf)

Silberman, D., Carpenter, R., & McWhorter, R. R. (2019, February). "Relate-Create-Donate": Exploring Team-Based Learning in a College of Pharmacy. *Academy of Human Resource Development International Conference*. Louisville, Kentucky, USA: Academy of Human Resource Development.

## Proceedings Publications

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Adele, B., Ellinger, A. D., & McWhorter, R. (2018). Exploring managerial coaching dyads and reverse managerial coaching. [Working Research Paper -Submitted for UFHRD 2018 on December 4, 2017]. In *The 18th International Conference on HRD Research and Practice Across Europe (UFHRD 2018)*.

DuPlessis, J., Ellinger, A. D., & Nimon, K. (2018). Examining the relationships among managerial coaching, job crafting, and job engagement in the skilled trades. [Working Research Paper - Submitted for UFHRD 2018 on December 4, 2017]. In *The 18th International Conference on HRD Research and Practice Across Europe (UFHRD 2018)*.

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- Beal, B. D., MacMillan, K. T., Schnarr, K., & Woodwark, M. J. (2018, Summer). How to help your students to write a great case. Presented at the Academy of Management 2018 Annual Meeting, Teaching & Learning Conference (one-day mini-conference, Sunday, August 12th), Chicago, IL, August 10-14, 2018.
- Beal, B. D., MacMillan, K. T., Schnarr, K., & Woodwark, M. J. (2019, Summer). Case writing as a student project: A step-by-step method. Presented at the Academy of Management 2019 Annual Meeting, Teaching & Learning Conference (one-day mini-conference, Sunday, August 11th), Boston, MA, August 9-13, 2019.
- Camp, K. M. (2019, June). Patient Engaged Content Marketing: Using Storytelling to Drive Patient Outreach. Digital Transformation Assembly. Nashville, Tennessee: The Millennium Alliance.
- Doty, D. H., Young, M., Owens, M., & Wink, K. A. (2019, Spring). Winning the Battle and Winning the War: Evaluating Economic Development Corporation Success Today and Tomorrow. East Texas Research Conference. The University of Texas at Tyler.
- Kulangara, N., Jackson, S. L., Gopalakrishna Remani, V., & Sroufe, R. (2018). Impact of ISO 14001 best practices on firm environmental, operational, and firm performance, and the mediating effect of environmental innovation. 49th Annual Meeting of the Decision Sciences Institute. Chicago: Decision Sciences Institute.
- MacMillan, K., Woodwark, M. J., Schnarr, K., & Beal, B. D. (2018). How to become a best-selling case writer. Presented at the Academy of Management 2018 Annual Meeting, Teaching & Learning Conference (one-day mini-conference, Sunday, August 12th), Chicago, IL, August 10-14, 2018.
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Ali, M. (2018). Analysis of Strain Distribution on Several Parts of Human Lung During Mechanical Ventilation Breathing. Birmingham, Alabama: Early Career Technical Conference Proceedings.

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