

2015 Southeastern Conference (SEC) Faculty Achievement Award Winners

University of Alabama



Kimberly L. Bissell is a Professor in the College of Communication and Information Sciences at the University of Alabama and serves as the College's Associate Dean for Research. She is the Southern Progress Endowed Professor in Magazine Journalism and was recently named as the University's Director of Undergraduate Research and Director of the Emerging Scholars Program. Her research interests lie in the intersection of media, health and children. Her recent publications relate to the role of media in the development of children's nutritional knowledge and attitudes. She has published more than 50 referred journal articles and book chapters, and she is currently co-principal investigator on a National Institute on Minority Health and Health Disparities (NIMHD) grant that investigates the development of effective, sustainable Community-Based Participatory Research to reduce obesity in rural Alabama. Dr. Bissell was a Southeastern Conference Academic Leadership Development Program fellow in 2013-14. [Read more about Dr. Bissell.](#)

University of Arkansas



H. Alan Mantooth is a Distinguished Professor in the Electrical Engineering Department at the University of Arkansas. Since joining the Arkansas faculty in 1998, he has graduated 92 graduate students and mentored more than 150 students as part of a program that has received nearly \$50 million in research funding from NASA, the Defense Advanced Research Projects Agency (DARPA), and the Office of Naval Research, among others. Electronics designed by Dr. Mantooth and his team have flown on the International Space Station, surviving extreme temperatures and radiation and continuing to function normally. His team's latest achievements can survive extremely high temperatures, such as those found in deep well drilling or vehicular engine compartments. In 2009, the Institute of Electrical and Electronics Engineers (IEEE) named him a Fellow "for contributions to power device modeling." [Read more about Dr. Mantooth.](#)

Auburn University



Bruce J. Tatarchuk is the Charles E. Gavin, III Endowed Professor of Chemical Engineering at Auburn University. He has been a faculty member at Auburn since 1981 and has been recognized as an Alumni Professor, Westpoint-Philpott Distinguished Professor and Samuel Ginn Distinguished Professor prior to his current appointment. He has been the principal investigator on more than \$39 million in competitive extramural contracts and grants and an investigator/co-investigator on a similar total. He has served as major professor for approximately 80 graduate students and research advisor to 15 postdoctoral investigators. Dr. Tatarchuk and his students and colleagues have provided approximately 700 contributions to the technical literature in the form of refereed publications, proceedings, plenary/invited talks and other contributions, including more than 50 U.S. and foreign patents. [Read more about Dr. Tatarchuk.](#)

University of Florida



Sidney R. Homan is a Professor of English at the University of Florida. Dr. Homan is the author of 10 books on Shakespeare and the modern playwrights and also works as an actor and director in commercial and university theatres. His most recent books, based on performances in which he worked as a director or actor, reflect the involvement of his undergraduate and graduate students in those productions. Every course Dr. Homan teaches has as its sub-title, “Learning by Doing,” and his students explore Shakespeare and the modern theatre by performing the plays while working with him as fellow actors and directors. He has directed and acted in plays by Shakespeare, Beckett, and Stoppard, among others. In 2003, he made is New York debut in *All Our Yesterdays*, a piece in five movements for string quartet, piano and actor. [Read more about Dr. Homan.](#)

University of Georgia



Samantha B. Joye is the Athletic Association Professor of Arts and Sciences in the Department of Marine Sciences at the University of Georgia. She is an expert in microbial geochemistry, focusing on hydrocarbon and trace gas dynamics, and works in both blue water and nearshore ocean ecosystems. Dr. Joye’s work is highly interdisciplinary, bridging the fields of analytical chemistry, microbiology and geology. Her research is widely published in leading scientific journals and books, and she is regularly called upon by national and international scientific and policy agencies for expert commentary. Dr. Joye’s work has been supported by substantial, multi-year research grants from the National Science Foundation, Environmental Protection Agency, and National Oceanic and Atmospheric Administration, among others. [Read more about Dr. Joye.](#)

University of Kentucky



Michael T. Bardo is a Professor of Psychology at the University of Kentucky. Dr. Bardo has served as a member and chair of numerous National Institutes of Health (NIH) study sections and is science advisor to the Integrated Neuroscience Initiative on Alcoholism at Scripps Research Institute. His research uses animal models to study the neurobehavioral processes of drug abuse. He has received continuous funding from the NIH since 1981, being principal investigator on more than \$25 million in grants. He has edited two books and published more than 200 peer-reviewed articles, which have been cited more than 4,000 times. Many of his publications are in highly-ranked drug abuse journals, including a recent first-authored review in *Pharmacological Reviews*, which is a top-cited journal in the field of pharmacology and drug abuse. [Read more about Dr. Bardo.](#)

Louisiana State University



Suzanne L. Marchand is the Boyd Professor of European Intellectual History at Louisiana State University. Dr. Marchand has devoted her career to studying the history of the humanities and to reenergizing humanistic learning through interdisciplinary writing, reading, teaching and mentoring. Her 2009 book, *German Orientalism in the Age of Empire: Race, Religion, and Scholarship*, won the 2010 American Historical Association's (AHA) George Mosse Prize for the best book in intellectual history, and it has been praised by scholars from numerous disciplines, including religious studies, and Jewish studies, among others. In addition, she has co-edited three books and written some 50 articles, several of which have appeared in French, German, Spanish and Lithuanian. Dr. Marchand has been awarded numerous grants and prizes, and she is active in professional service. [Read more about Dr. Marchand.](#)

University of Mississippi



Charles L. Hussey is Chair and Professor of Chemistry and Biochemistry at the University of Mississippi. During his academic career, Dr. Hussey has served as Vice-Chair and Chair of the Gordon Conference on Molten Salts and Liquid Metals, been a consultant for the Lawrence Livermore National Laboratory and been a member of the Board of Visitors for the Army Research Office (ARO). His scientific research with molten salts/ionic liquids has been directed at the electrochemistry and spectroscopy of d- and f-block elements, the electrodeposition of aluminum and corrosion-resistant aluminum-transition metal alloys and the electrochemistry treatment of spent nuclear fuel. Dr. Hussey has also published extensively about the physical and transport properties of molten salts/ionic liquids. [Read more about Dr. Hussey.](#)

Mississippi State University



Mark F. Horstemeyer is a Professor in the Mechanical Engineering Department at Mississippi State University. Dr. Horstemeyer is also Chair for the Center for Advanced Vehicular Systems (CAVS) in Computational Solid Mechanics. As the first CAVS Chair professor since the center opened in 2002, Dr. Horstemeyer has been instrumental in creating the scientific and technological foundation for the southern automotive corridor of the nation by setting forth a vision for simulation-based design and manufacturing related to the automotive industry. He couples multidisciplinary research of solid mechanics, materials, physics and applied mathematics in three synergistic areas: theoretical modeling, experimentation and large scale parallel computational simulation. [Read more about Dr. Horstemeyer.](#)

University of Missouri



Michael F. Smith is the Curators' Teaching Professor of Animal Sciences at the University of Missouri. Dr. Smith's long range goal for his research program is to increase reproductive efficiency in cattle. In 2009, his research contributions were recognized when he won the American Society of Animal Science Physiology and Endocrinology Award. He teaches two undergraduate courses (Physiology of Reproduction and Reproductive Management) and also helps teach a graduate course in reproductive physiology. Dr. Smith has received numerous teaching awards, including the American Society of Animal Science Distinguished Teaching Award (2008), Mizzou Alumni Association Distinguished Faculty Award (2009) and the Governor's Teaching Award (2013). His commitment to graduate training has been recognized with the University of Missouri Graduate Mentor Award (2008). [Read more about Dr. Smith.](#)

University of South Carolina



Marina Lomazov is the Ira McKissick Koger Professor of Fine Arts in the School of Music at the University of South Carolina. Praised by critics as "a diva of the piano" (*The Salt Lake City Tribune*), the Ukrainian-American pianist has established herself as one of the most passionate and charismatic performers on the concert scene today. *New York Times* chief music critic Anthony Tommasini describes a recent New York performance as "dazzling" and *Talk Magazine Shanghai* describes her performances as "a dramatic blend of boldness and wit." Before immigrating to the United States in 1990, Dr. Lomazov studied at the Kiev Conservatory where she became the youngest First Prize Winner at the all-Kiev Piano Competition. She is also the Founder and Artistic Director of the Southeastern Piano Festival. [Read more about Dr. Lomazov.](#)

University of Tennessee



J. Wesley Hines is the Postelle Professor and Head of the Nuclear Engineering Department at the University of Tennessee. Dr. Hines teaches and conducts research in artificial intelligence and advanced statistical techniques applied to process diagnostics, condition based maintenance and prognostics. He has notable accomplishments in the invention and development of reliability enhancing condition monitoring technologies. He has led more than 100 research projects, with awards totaling more than \$14 million, sponsored by both government and commercial entities in the U.S. and abroad. Dr. Hines has authored more than 300 technical papers and is invited to speak around the world on topics ranging from his research activities, distance education delivery approaches, nuclear engineering education and national nuclear strategy. [Read more about Dr. Hines.](#)

Texas A&M University



X. Ben Wu is a Professor of Ecosystem Science and Management at Texas A&M University. Dr. Wu's research is in the areas of landscape ecology and ecology education, and has been supported by the National Science Foundation (NSF), United States Department of Agriculture (USDA) and other funding agencies. He has published more than 70 peer-reviewed journal articles and book chapters, served on five journal editorial boards and ten competitive grant review panels. Dr. Wu teaches both undergraduate and graduate courses in ecology and has taught more than 7,800 undergraduate and 350 graduate students in the last 19 years. He served as Associate

Dean of Faculties and Director of the Center for Teaching Excellence (2009-2014) and led efforts in faculty professional development in teaching at Texas A&M University. [Read more about Dr. Wu.](#)

Vanderbilt University



Isabel Gauthier is the David K. Wilson Chair of Psychology and Professor of Radiology and Radiological Sciences at Vanderbilt University. Dr. Gauthier's research interests include the behavioral and neural study of visual object recognition, especially in domains of perceptual expertise such as faces, letters and musical notation, with implications for disorders like autism and congenital face blindness. Her dissertation research was the first to demonstrate that the behavioral and neural underpinnings of perceptual expertise could be studied in the laboratory using short term training protocols. Dr. Gauthier's research has been funded by the National Institutes of

Health (NIH), the National Science Foundation (NSF) and the James S. McDonnell Foundation. Gauthier has authored more than 110 peer-reviewed scientific articles, with 50 of these cited at least 50 times. Overall, her publications have been cited more than 12,300 times. [Read more about Dr. Gauthier.](#)