April 17, 2018
Bryant Conference Center
The University of Alabama
OPENING REMARKS

Dr. John C. Higginbotham
Interim Vice President for Research and Economic Development

WELCOME

Dr. Stuart R. Bell
President

KEYNOTE ADDRESS

Dr. Joshua D. Rothman
Professor and Chair, Department of History

NATIONAL ACADEMY OF INVENTORS INDUCTEE PRESENTATION

Dr. Richard P. Swatloski
Director, Office for Technology Transfer

PRESIDENT’S FACULTY RESEARCH AWARD PRESENTATIONS

Dr. Matthew Therrell
Professor, Department of Geography
Chair, Research Advisory Committee

CONCLUDING REMARKS

Dr. John C. Higginbotham
Interim Vice President for Research and Economic Development
Joshua D. Rothman is Professor of History and Chair of the Department of History, and he has been teaching at The University of Alabama since 2000. He received his Ph.D. from the University of Virginia, and is a specialist in the history of the nineteenth-century United States, with particular emphasis on the histories of slavery, capitalism, race, and the American South. He is the author of Notorious in the Neighborhood: Sex and Families across the Color Line in Virginia, 1787-1861 (University of North Carolina Press, 2003), Reforming America, 1815-1861 (W.W. Norton, 2009), and Flush Times and Fever Dreams: A Story of Capitalism and Slavery in the Age of Jackson (University of Georgia Press, 2012), which won the Frank L. and Harriet C. Owsley Award from the Southern Historical Association in 2013 as the best book in southern history. He is also co-editor of the online magazine We’re History, and is currently at work both on a book project about the domestic slave trade and a digital humanities project that will gather every fugitive slave advertisement to appear in American newspapers before the Civil War.
The National Academy of Inventors™ (NAI) was founded at the University of South Florida in 2010, in order to recognize investigators at universities and their affiliated institutions who translate their research findings into inventions that may benefit society. The NAI is a 501(c)3 organization and edits the multidisciplinary journal *Technology and Innovation – Proceedings of the National Academy of Inventors™*, published by Cognizant Communication Corporation (NY). The mission of the National Academy of Inventors™ is to recognize and encourage inventors; enhance the visibility of university technology and innovation; encourage the disclosure of intellectual property; educate and mentor innovative students; and translate the inventions of its members to benefit society.
Shanlin Pan, Ph.D., (University of Rochester) is a full professor in the Department of Chemistry and Biochemistry in the College of Arts and Sciences. Professor Pan earned his B.A. and M.A. from Lanzhou University of the P. R. of China, and his Ph.D. from University of Rochester, NY. Before embarking on his independent academic career at UA, he was an ACS Irving S. Sigal postdoctoral fellow at University of Texas at Austin. Dr. Pan is a recipient of the College of Arts and Sciences Leadership Board Faculty Fellow (2017-2019).

Dr. Pan’s research efforts primarily focus on developing multicomponent functional materials for efficiency light energy absorption, charge separation, charge transport, and solar fuel conversion. The major accomplishment of his team in this area is the invention of a patent-pending technique of a NanoCOT for catalyzing water oxidation. Dr. Pan’s group has developed a single molecule and single nanoparticle spectroelectrochemistry technique that combines methods of electrochemistry and high-resolution optical imaging for electrochemical studies with improved transient, spectral, and spatial resolution. Dr. Pan’s articles have appeared in leading chemistry journals, including The Journal of the American Chemical Society, Proceedings of the National Academy of Sciences, ACS Nano, Nano Letter, and Journal of Physical Chemistry. He is coauthor of 3 pending patents on new catalytic materials and spectroelectrochemistry techniques.

Dr. Pan teaches undergraduate courses, including Quantitative Analysis, General Chemistry and graduate Electrochemistry Principles and Methods. He is also actively involved in outreach activities, working with local high and middle school students & teachers on chemistry and science modules and summer courses.

Christina Staudhammer received her graduate degrees in Forest Biometrics from the University of British Columbia, after working in the field of applied mathematics and statistics in support of the insurance industry. The Staudhammer lab focuses on quantitative research in ecological systems, with interdisciplinary research covering a broad range of topics, including mixed effects models in forestry and natural resources, design and analysis of experimental data, quantifying size and structure distributional differences in natural systems, and quantifying model uncertainty. Her research aims to promote better conservation and management of natural resources by developing a better understanding of the dynamics of natural systems. The lab’s research is in four main areas: 1) advancing models of carbon fluxes derived from eddy covariance (EC) studies; 2) developing models characterizing the population dynamics of Bertholletia excelsa (Brazil nut); 3) enhancing models of urban forest structure and growth; and 4) regional scale impacts of forest management on C, water, and biodiversity. During her career, she has published more than 66 refereed journal articles and co-authored four books, including a probability and statistics textbook with applications in the natural resources. She has had six National Science Foundation grants, as well as grants from the USDA and the Florida Division of Forestry.
Joshua Eyer is an assistant professor in the Capstone College of Nursing. He obtained a BA in Psychology from the University of Virginia, an MS in Applied Psychology at the University of South Alabama, and a PhD in Clinical Health Psychology from the University of North Carolina at Charlotte. He completed a yearlong clinical internship with the Department of Psychiatric Medicine in the Brody School of Medicine at East Carolina University before completing a two-year postdoctoral fellowship in clinical health psychology research at The University of Alabama. He was selected as a fellow to the 2013 NIH Summer Institute on Randomized Behavioral Clinical Trials.

Dr. Eyer’s research interests include sexual and gender minority health (especially mental health), integrated health in primary care, and more generally, the thoughts, feelings, and behaviors associated with health and chronic illness. Currently, he is a co-investigator on a HRSA-funded project to integrate behavioral health at the Capstone Rural Health Center, a federally qualified safety-net clinic serving Walker County. He is a member of the Trans Collaborations research network and an investigator on an NIH-funded project to test new principles of affirming mental health care with individuals who are trans or gender nonconforming. He previously worked on Dr. Beverly Thorn’s PCORI-funded clinical trial testing behavioral interventions for chronic pain. In addition, he teaches graduate courses in statistics and mixed methodologies for nursing and serves as the Methodology and Statistical Consultant in the Office of Scholarly Affairs, consulting with nursing faculty on their research designs, grant proposals, and statistical approaches. He has served important roles in his professional organization, the Society for Health Psychology, including chairing committees on rebranding and strategic planning, and currently serves as the coordinator of the Health Psych Connections mentoring program. He is a member and current president of Capstone Alliance, the campus organization for LGBTQ and allied faculty and staff.

Asma Hatoum-Aslan is an assistant professor in the Department of Biological Sciences. Her research is in the field of microbiology, with a focus on understanding the molecular interactions between bacteria and their viruses. She received a K22 Career Development award from the National Institute of Allergy and Infectious Disease in her first year at UA and recently received a CAREER award from the National Science Foundation to study bacterial immunity mechanisms such as CRISPR-Cas and their biotechnological and therapeutic applications. Another research area addresses the global health care crisis incited by the rise in antibiotic resistant infections through the genetic engineering of bacterial viruses to create alternative treatments. Dr. Hatoum-Aslan has published her research in journals such as *Cell*, *Proceedings of the National Academies of Sciences*, *Nucleic Acids Research*, and *ACS Synthetic Biology*, and has recently filed a patent application on a novel CRISPR-Cas technology.

She is dedicated to the cause of increasing diversity in the STEM workforce and is serving on the UA Stem Steering committee. She teaches undergraduate/graduate courses in microbiology, and is currently developing educational activities to stimulate interest in science at local high schools through hands-on research experiences.

Dr. Hatoum-Aslan earned an M.S. in Biochemistry from the American University of Beirut, Lebanon and a Ph.D. in Biochemistry from Cornell University. She received post-doctoral training also at Cornell University, and then at the Rockefeller University. She joined the Department of Biological Sciences in 2014.
**David L. Albright** is the Hill Crest Foundation Endowed Chair in Mental Health and Director of the Office for Military Families and Veterans at the School of Social Work. He is a military Veteran and former research fellow with both the Department of Veterans Affairs and the RAND Corporation’s Center for Military Health Policy Research. Dr. Albright works to produce research that is useful for communities, health care providers, and policymakers as they work to address and improve health-related determinants and outcomes among military personnel, Veterans, and their families and communities.

The Governor of Alabama appointed David to both the Alabama Executive Veterans Network, in which he serves as the Health committee chair, and to the Alabama Opioid Overdose and Addiction Council, in which he serves as the Community Engagement chair, the Treatment and Recovery Support committee co-chair, and is a member of the Council’s Implementation committee. The Council recently charged him to lead a task force to identify and develop recommendations for the Alabama Veteran population on opioid addiction and treatment, both within and outside of the Veterans Health Administration (VHA) health care system. He also serves on the MyVA Alabama state Board of Directors as the Research committee co-chair.

Dr. Albright holds an appointment on the National Academies of Sciences, Engineering, and Medicine’s Committee on the Well-Being of Military Families. He is a 2018-2019 Rural Health Fellow with the National Rural Health Association, focusing on rural Veteran policy. He also chairs the Military Personnel and Veterans, First Responders, and their Families and Communities track for the Council on Social Work Education; serves as a rural social work consultant to the National Association of Social Workers; and is on the Board of Directors for the Alabama Rural Health Coalition for the Homeless. He recently served as a subject matter expert on the SAMHSA PTSD special expert panel, and as a military social work consultant to the National Association of Social Workers.

David is a former college athlete and currently lives in Tuscaloosa, Alabama with his partner, Jami, and their four daughters, Avery, Camille, Elizabeth, and Maren. He practices Pilates, and he enjoys rowing, reading, and spending time with his family.
Peter D. Harms is an assistant professor in the Department of Management at the Culverhouse College of Commerce. He received his Ph.D. in Personality Psychology from the University of Illinois at Urbana-Champaign. His research focuses on the assessment and development of personality, leadership, and psychological well-being. He has published over 80 peer-reviewed articles in such outlets as *Journal of Applied Psychology*, *Personnel Psychology*, *Psychological Bulletin*, *Psychological Review*, *Journal of Personality and Social Psychology*, *Journal of Organizational Behavior*, and *The Leadership Quarterly*. This work has been featured in popular media outlets such as CNN, Scientific American, Forbes, and the BBC. Dr. Harms has been invited to speak to audiences around the world and was selected by the St. Gallen symposium as one of the “100 Knowledge Leaders of Tomorrow” in 2011.

Dr. Harms is currently a co-editor of *Research in Occupational Stress and Well-being* and an associate editor of *Journal of Managerial Psychology*. He also serves on the editorial boards of *Applied Psychology: An International Review*, *Journal of Research in Personality*, *The Leadership Quarterly*, *Journal of Personnel Psychology*, and *Personnel and Assessment Decisions*. Dr. Harms serves on the scientific advisory board of Hogan Assessment Systems and has engaged in research partnerships with the U.S. Army, the U.S. Department of Labor, and the National Aeronautics and Space Administration (NASA).

Amanda Ross is an Assistant Professor of Economics in the Department of Economics, Finance, and Legal Studies. Her research is in the areas of urban economics, public economics, real estate economics, and the economics of crime. Her research has been published in top journals including *American Economic Journal: Economic Policy*, *The Journal of Urban Economics*, *Real Estate Economics*, and *Regional Science and Urban Economics*. With 207 citations on Google Scholar, she is recognized as a new emerging voice in the field of urban economics. Dr. Ross is the Editor-in-Chief of *The Review of Regional Studies*, serves on the Editorial Board of the International Regional Science Review, and is a Director for the Eastern Economic Association. Prior to joining the faculty at The University of Alabama, she was an Assistant Professor of Economics at West Virginia University for five years. Dr. Ross received a B.A. in Economics and Political Science from Binghamton University in 2006. She received her PhD in Economics from Syracuse University in 2011.
Jenny Carroll joined the School of Law faculty in 2014. She is the Wiggins, Childs, Quinn, and Pantazis Professor of Law. She graduated summa cum laude with an A.B. from Duke University and with honors with a J.D. from the University of Texas. She also holds an LL.M. from Georgetown University Law Center in Clinical Advocacy, which she earned in conjunction with the Prettyman Fellowship.

Prior to her years of practice as a public defender and teaching, she clerked for the Honorable William Wayne Justice of the United States District Court, Eastern District of Texas. She is the author of numerous law review articles appearing in journals such as the *Georgetown Law Journal*, the *Texas Law Review*, the *Alabama Law Review*, the *Florida State University Law Review*, the *Fordham University Law Review*, and the *North Carolina Law Review*. Professor Carroll has been an invited speaker at conferences across the country. Professor Carroll teaches Criminal Law, Criminal Procedure, Counter-Terrorism, Comparative Criminal Law, and Juvenile Justice. She currently serves on National Association of Criminal Defense Attorneys’ 11th Circuit Amicus Committee as a Vice-Chair and as Secretary to the Executive Committee of the American Association of Law School’s Criminal Justice Section. She is also a founding member of the National Women’s Defense Attorney’s Association and the Women’s White Collar Defense Association. In addition to serving on the Law School’s faculty, in 2016 she was appointed Chair of the Alabama State Advisory Committee to the U.S. Commission on Civil Rights.

Heather Elliott is the Alumni, Class of ’36 Professor of Law at the Law School, where she teaches civil procedure, water law, land use law, and statutory interpretation. Her treatise on Alabama water resources law is forthcoming from the University of Alabama Press in 2019; work on that treatise was funded with grants from the United States Geological Survey via the Alabama Water Resources Research Institute. Her work on the jurisdiction of federal courts has been published in the *Stanford Law Review*, the *Indiana Law Journal*, and the *Boston University Law Review*, among others.

Professor Elliott earned her undergraduate degree *magna cum laude* from Duke University, two master’s degrees in political science from Yale University (Ph.D. expected 2019), and her J.D. from the University of California, Berkeley School of Law. After graduating from law school, she served as a law clerk to Justice Ruth Bader Ginsburg of the Supreme Court of the United States and to Judge Merrick B. Garland of the United States Court of Appeals for the District of Columbia Circuit.
Cindy Ann Kilgo is an assistant professor of higher education administration in the Department of Educational Leadership, Policy and Technology Studies. Their research focuses on high-impact educational practices, specifically for marginalized student populations, and the utility and validity of critical quantitative methodologies in examining how college affects students. Their research has been published in the *Journal of College Student Development*, *Higher Education*, *Research in Higher Education*, *The Journal of Higher Education*, *Journal of College Orientation and Transition*, *New Directions for Student Services*, *New Directions for Institutional Research*, and the *International Journal of Research on Service-Learning and Community Engagement*, among other publication outlets. Further, their research has been featured in *The Chronicle of Higher Education*, *Inside Higher Ed*, and *Money Magazine*.

They are currently working on several projects using secondary, large-scale quantitative datasets to examine collegiate outcomes for marginalized student populations (specifically students of color, low-income, and LGBTQ+ students), as well as a longitudinal, qualitative study focused on the ways that transgender collegians navigate and make decisions about social and academic integration within campus spaces. They also currently have a book under contract, examining how colleges can support LGBTQ+ students navigate collegiate environments.

They teach graduate courses on student development theory, assessment in higher education, and the field of student affairs. They completed their Ph.D. in Educational Policy and Leadership Studies, with a focus on Higher Education and Student Affairs, from The University of Iowa in 2016.

Dr. Darrin Griffin is an Assistant Professor in the Department of Communication Studies and the Director of the College of Communication & Information Sciences (C&IS) Human Communication Research Lab. Dr. Griffin obtained his bachelor’s and master’s degrees from The University of Texas at Austin (Deafness Studies & Communication Studies respectively), and achieved his doctorate in Communication from the University at Buffalo, State University of New York. During this time, he worked as a research assistant at the FBI Training Academy in Quantico, VA. He later served as an assistant at the Buffalo Field Office on the white-collar crime squad. Dr. Griffin’s research focuses on interpersonal communication contexts - specifically deception. He is a co-author of a textbook on lying and deception and teaches undergraduate and doctoral courses on this topic. Recently, he has led an effort to increase accessibility for the Deaf at The University of Alabama and has conducted trainings on effective law enforcement interactions with the Deaf community. Currently, Dr. Griffin is working with a team of researchers on a NOAA grant related to communication practices with the Deaf and Blind during tornadic weather events. He spends his free time in Tuscaloosa being outside with Danielle and the dogs.