

SPEAKER BIOS (in alphabetical order by last name)

Successes in STEM Education, Research, and Workforce Preparedness at Minority Serving Institutions: Capstone Event of MSI Town Hall Series

Webcast Live Here: <https://www.nationalacademies.org/event/06-09-2022/successes-in-stem-education-research-and-workforce-preparedness-at-minority-serving-institutions-capstone-event-of-msi-town-hall-series>

June 9, 2022 | 1:00PM - 3:30PM ET

Gregg Camfield, Ph.D., *Provost and Executive Vice Chancellor, University of California, Merced*

Executive Vice Chancellor and Provost Gregg Camfield joined the University of California, Merced, in July of 2007. As UC Merced's second-most-senior executive, Camfield provides leadership for campus administrative operations and serves as the university's chief academic officer. He is thus responsible for planning, development and improvement of all academic programs, policies and infrastructure. He oversees faculty recruitment, retention and renewal processes as well as rigorous review of faculty appointments, tenure and promotion. He also oversees planning, quality and delivery of student education, working closely with the Merced Division of the University of California Academic Senate. In addition, Executive Vice Chancellor and Provost Camfield convenes, as appropriate, vice chancellors and other senior administrators to address issues that cut across divisional lines, oversees the campus budget-request process, and leads strategic planning and other strategic campus initiatives in close collaboration with the chancellor. In his time at UC Merced, Camfield has been chair of UC Merced's initial accreditation team, chair of Undergraduate Council, chair of the humanities faculty group, and served for four years as UC Merced's first Vice Provost for the Faculty. Camfield earned his bachelor's degree from Brown University and his Doctorate from the University of California, Berkeley. He has held academic appointments at the University of Pennsylvania and at the University of the Pacific, where he also was director of the University Honors Program. He is a scholar of American literature and culture, with two books on Mark Twain, one on American literary humor, and several editions. He has also published over 40 scholarly research articles and reviews, on topics ranging from 18th to 20th century authors, and has shared his scholarship more broadly by contributing to web-sites, museums, government reports, school curricula, and documentary films.

Evelynn Hammonds, *Barbara Gutmann Rosenkrantz Professor of the History of Science and Department Chair and Professor of African and African American Studies, Harvard University*

Professor Evelynn M. Hammonds is the Barbara Gutmann Rosenkrantz Professor of the History of Science, Professor of African and African American Studies, chair of the Department of the History of Science and Professor in the Department of Social and Behavioral Sciences at Harvard T. H. Chan School of Public Health at Harvard University. She has been on the Harvard faculty for over 20 years. She earned her Ph.D. in the Department of the History of Science at Harvard and was a post-doctoral fellow at the Institute for Advanced Study at Princeton. She has holds undergraduate degrees in physics from Spelman College and electrical engineering from Georgia Tech. She earned the S.M. in Physics from MIT. Her research focuses on the history of scientific, medical and socio-political concepts of race and gender in the United States. Prof. Hammonds is currently the Vice President-elect of the History of Science Society. She also works on projects to improve the representation of women of color in STEM fields. She is a member of the Committee on Women In Science, Technology, and Medicine (CWSEM); the Roundtable on Black Women and Men in STEM Fields ; and co-chair of the "Transforming Trajectories

for Women of Color in Tech” Report , all for the National Academies of Sciences. She was elected to the National Academy of Medicine and the American Academy of Arts and Sciences. Prof. Hammonds holds honorary degrees from Spelman and Bates Colleges.

Willie E. May, Ph.D., *Vice President for Research and Economic Development, Morgan State University*

Dr. Willie E. May serves as Vice President for Research and Economic Development at Morgan State University. He previously served as the Senate-Confirmed Under Secretary of Commerce for Standards and Technology, a position created in the America COMPETES Reauthorization Act of 2010, and as Director of the National Institute of Standards and Technology (NIST). Dr. May began his career as a bench Chemist at NIST and went on to work at every management level within the organization. His personal research activities were focused in the areas of trace organic analytical chemistry and physico-chemical properties of organic compounds, where his work is described in more than 90 peer-reviewed technical publications. He has given more than 250 invited lectures at Conferences and Symposia around the world. Dr. May currently serves on the Boards of Directors for Consumer Reports and the Maryland Technology Development Corporation’s Innovation Initiative. He also serves on the Science Committee of NASA’s Advisory Council. Until recently Dr. May maintained several international leadership responsibilities including Vice President of the International Committee on Weights and Measures (CIPM); President of the CIPM’s Consultative Committee on Metrology in Chemistry and Biology and the Scientific Advisory Board’s for the UK’s National Physical Laboratory (NPL) and China’s National Institute of Metrology (NIM). Dr. May earned his B.S in Chemistry from Knoxville College and his Ph.D. in Analytical Chemistry from the University of Maryland, College Park.

Aliecia McClain, *Associate Professor and Chair of the Department of Chemistry and Director of Dozoretz Institute for Mathematics and Applied Sciences (DNIMAS) Scholarship Program, Norfolk State University*

Dr. Aliecia McClain is a native of Florence, SC where she is a graduate of Wilson High School Class of 1981. She attended Benedict College in Columbia S.C where she received her Bachelor of Science (B.S.) in Chemistry in 1985. Upon completion of her undergraduate degree, she attended Clark Atlanta University in Atlanta, GA to obtain a Master of Science (M.S.) degree in Inorganic Polymer Chemistry in 1991. She later joined the Department of Chemistry at the University of California Davis in Davis, CA where she received her Doctor of Philosophy (Ph.D.) degree in Agriculture and Environmental Chemistry in the Division of Fiber and Polymer Science in 1998. She then was hired as an Assistant Professor in the Department of Textile Engineering at Auburn University in Auburn, Alabama from 1998 - 2004. Dr. McClain has been employed at Norfolk State University since fall of 2004 and has served in many different roles. She has served as the Associate Dean of the College of Science, Engineering and Technology, Director of the Dozoretz National Institute for Mathematics and Applied Sciences (DNIMAS) Program, Chair of the Department of Chemistry, and the Director of STARS Program (STARS – Science and Technology Academicians on the Road to Success). Dr. McClain is currently a tenured Professor of Chemistry and the Director DNIMAS Scholarship Program for the past 17 years. DNIMAS is a rigorous honor program for students who major in science, engineering, and mathematics. DNIMAS primary goal is to prepare highly trained graduates in STEM capable of attending graduate school to earn the Master of Science (M.S.) and/or Doctor of Philosophy (Ph.D.) degrees, as well as medical school to earn their (M.D.) degrees. In addition to her administrative duties, she serves as Board Chair, for the Cooperating Hampton Roads Organizations for Minorities in Engineering (CHROME) Organization, Vice Chair of the STARBASE Victory Board, Portsmouth Public Schools, Project Coordinator of Recruitment and Outreach Program for the College of Science, Engineering and Technology. She is the Director of the Pathways to the STARS (Science and Technology Academicians on the Road to Success) Summer Bridge Program. She is currently a member of the Advisory Council for NSU Alpha Lambda Delta Honor Society (ALD) chapter. She also received the distinction of Honorary

Member of the NSU ALD Honor Society for First Year Students. She is an active member of the National Organization for the Professional Advancement of Black Chemist and Chemical Engineers (NOBCChE), American Chemical Society (ACS), Delta Sigma Theta Sorority, Inc., Portsmouth Alumnae Chapter, the Chesapeake Virginia Beach Chapter of the Links Incorporated, (Vice President), and a member of the Norfolk Chapter of the Moles, Incorporated.

Sherine Obare, Ph.D., Dean, Joint School of Nanoscience and Nanoengineering, UNC Greensboro and North Carolina A&T State University

Dr. Sherine Obare is the Dean of the Joint School of Nanoscience and Nanoengineering, an innovative collaboration between North Carolina Agricultural and Technical State University and the University of North Carolina at Greensboro (UNC Greensboro). She is also a Full Professor of Nanoscience at UNC Greensboro. She received a Bachelor of Science degree in Chemistry from West Virginia State University, obtained a Doctor of Philosophy degree in Chemistry from the University of South Carolina, and thereafter, was a Camille and Henry Dreyfus Postdoctoral fellow at The Johns Hopkins University. Dr. Obare is an environmental chemist whose research focuses on nanotechnology. Her work has led to innovations in the detection and remediation of environmental contaminants, designing nanoscale materials for drug delivery, improved healthcare, biomass conversion, and alternative energy, as well as understanding the fate, transport and toxicity of anthropogenic nanomaterials. She began her career at Western Michigan University as Assistant Professor of Chemistry in 2004, was promoted to Associate Professor in 2009, and to Full Professor in 2014. At Western Michigan University, she served in leadership roles as Associate Dean for Research in the College of Arts and Sciences and as Associate Vice President for Research. Dr. Obare's research program has been funded by the National Science Foundation, the Department of Defense, the Army Research Office, the National Institutes of Health, the Department of Education, and the Michigan Economic Development Corporation. Dr. Obare was recognized as a 2020 Outstanding Woman in Business, and a 2019 Power Player, by the Triad Business Journal. She is a 2019 Fellow of the American Chemical Society, a 2018 Fellow of the Council on Research of the Association of Public and Land-Grant Universities, the recipient of the 2009 International Union of Pure and Applied Chemistry (IUPAC) Young Observer Award, and a National Science Foundation CAREER award winner. She received the 2010 Lloyd N. Ferguson Young Scientist Award, and the 2010 National Science Foundation Division of Materials Research American Competitiveness and Innovation (ACI) Fellowship. In 2013, Obare was named as one of the top 25 Women Professors in Michigan. She was also recognized as a Science Spectrum Magazine *Trailblazer* in 2010, 2011, and 2012. Dr. Obare has published over 100 publications in peer-reviewed journals and has served as editor for 5 books, including '*Green Technologies for the Environment* (2014)', '*The Power and Promise of Early Research* (2016)' and '*Chemistry Education for a Sustainable Society* (2020)'. She has mentored a large number of postdoctoral fellows, doctoral, masters, undergraduate and high school students in research. She has been highly active promoting science to elementary and middle school students locally and nationally. Dr. Obare serves as an Associate Editor for the *Journal of Nanomaterials*.

Renetta Garrison Tull, Ph.D., *Vice Chancellor of Diversity, Equity and Inclusion, University of California, Davis*

Dr. Renetta Garrison Tull is the University of California Davis' inaugural Vice Chancellor for Diversity, Equity, and Inclusion (DEI), which houses Academic Diversity, the Office of Campus Community Relations, four centers, and Health Equity, Diversity, and Inclusion (DEI within the medical school, nursing school and health center). She also serves on the Chief Diversity Officers Council for the University of California, and has several programs and boards within her portfolio including HSI initiatives, the Police Accountability Board, Diversity and Inclusion Education and strategic planning, 4 centers, and more. She formerly served as Assistant Dean for Graduate Student Development and later,

Associate Vice Provost for Strategic Initiatives at UMBC. She had a detail within the University System of Maryland's headquarters (for 12 institutions), serving as the Director for Pipeline Professional Development Programs, and she has been either Co-PI or PI on National Science Foundation grants within the Alliances for Graduate Education and the Professoriate (AGEP), ADVANCE, and Louis Stokes Alliance for Minority Participation (LSAMP) programs. At Davis, she is PI of the PROMISE Engineering Institute, a collaboration between UC Davis and UMBC, with connections to engineering schools within the UC, and engineering schools in Maryland (UM College Park, Morgan State, and Johns Hopkins) to form an engineering "East-West" collaboration. Her degrees in electrical engineering and speech science are from Howard University and Northwestern University, and she has had faculty roles at UW-Madison, University of Maryland College Park, UMBC. She was inducted into Tau Beta Pi, the engineering honor society, and participates in faculty activities as an Adjunct Professor in the Department of Electrical and Computer Engineering at UC Davis, and a faculty affiliate in the Interdepartmental Program on Human Rights Studies. An international speaker on global diversity in STEM, Dr. Tull was a Global Engineering Deans Council/Airbus Diversity Award Finalist, and has received the ABET Claire L. Felbinger Award for Diversity, and the Student Platform for Engineering Education Development Global Mentoring Award. She has been involved with Puerto Rico's ADVANCE Hispanic Women in STEM, the Latin and Caribbean Consortium of Engineering Institutions, UNESCO, the International Federation of Engineering Education Societies (IFEES) community, and her research interests in Humanitarian Engineering continue through sharing the United Nations' Sustainable Development Goals (SDGs). She is an author of a chapter of ***Rising to the Top***, IFEES book on global women in engineering – which will be featured at the World Engineering Education Forum in 2021, and was part of the consensus committees for the National Academies' "Impact of COVID-19 on the Careers of Women in Academic STEMM," and "The Science of Effective Mentoring in STEMM. Tull enjoys her work as an education policy strategist and champion for equity.

John Wiebe, Ph.D., *Provost and Vice President for Academic Affairs, the University of Texas at El Paso (UTEP)*

John Wiebe, Ph.D. has served as Provost and Vice President for Academic Affairs at [The University of Texas at El Paso](#) (UTEP) since March of 2020. Prior to his appointment to that position, he served the institution for 22 years in other roles, including administrative positions as Interim Provost, Vice Provost, Associate Provost, and President of the Faculty Senate. As Provost, Dr. Wiebe is the University's chief academic officer and collaborates with deans, faculty, staff and senior administration across the campus to develop and promote UTEP's nationally recognized model for enhancing the excellence of its academic and research programs, while successfully offering access and affordability to a predominantly first-generation and historically underserved student population. He is responsible for the oversight and administration of all academic degree programs. As a member of the President's cabinet, Dr. Wiebe plays a key role in planning and policy development for the university, and strategic campus initiatives such as the [UTEP Edge](#), a student success initiative that seeks to integrate high-impact practices with the goal of preparing students for leadership and success, both on campus and beyond. Dr. Wiebe received his Ph.D. in clinical health psychology from the University of Iowa and completed a clinical psychology doctoral internship at the University of Chicago Hospitals and Clinics. He also holds a master's degree in psychology from the University of Iowa and a bachelor's degree in psychology, *summa cum laude*, from Ohio Wesleyan University. A professor of psychology and licensed clinical psychologist, Dr. Wiebe has a history of teaching and funded research in psychometrics, behavioral medicine, and mental health.