OPEN SESSION SPEAKER BIOSKETCHES
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Dr. Jagadeesh Pamulapati
Acting Deputy Director, *OUSD(R&E)*

Dr. Pamulapati is responsible for all matters associated with Department of Defense (DoD) laboratories that encompass a Defense Laboratory Enterprise and the approximately 39,000 scientists and engineers that work in the 63 Defense laboratories, warfare centers, and engineering centers across 22 states and the District of Columbia. In addition to laboratory matters, Dr. Pamulapati also leads the Science, Technology, Engineering, and Mathematics (STEM) Development Office within the DoD; ensures interchange with Allied friendly nations; and provides advice and assistance in developing policies for rapid technology transition.

Dr. Pamulapati was selected for the Senior Executive Service in January 2016. Prior to this, Dr. Pamulapati was in the Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology (ASA(ALT)) from June 2006. In this position, he was responsible for developing and implementing policy initiatives for the Army's laboratories. He also fulfilled the role of the Executive Director for Strategic Plans and Program Planning, a Senior Executive Service position, where he was responsible for the Basic Research, Innovation Enablers, Manufacturing Technologies, Technology Wargaming, and International Portfolios.

During his time with the Army, Dr. Pamulapati also served as a senior policy analyst within the White House Office of Science and Technology Policy, responsible for a broad portfolio of national security interest items; the Chief Scientist and Chief Technical Officer responsible for technology integration for the Army's Future Combat Systems (FCS) program the Army's leading transformational initiative consisting of soldiers, manned and unmanned systems within a unifying network; and a scientific liaison to the Army Office of the Deputy Chief of Staff, G-8 where he provided technical expertise on science and technology issues.

Dr. Pamulapati began his distinguished career at the Army Research Laboratory (ARL) where he developed advance ultra-submicron high speed devices for next generation optoelectronic integrated circuits and monolithic millimeter wave integrated circuits, infrared materials for forward looking infrared imagers as well as high power infrared laser sources for countermeasure applications.

Dr. Pamulapati received his B.S.E., M.S.E. and Ph.D. in Electrical Engineering from The University of Michigan, Ann Arbor. He holds eleven patents and has contributed to more than 40 archival journal publications and three books. On numerous occasions, he has been invited to lecture at national and international fora for industry and academia. Besides the Army War College in Carlisle, PA, he has been a visiting lecturer at the University of Maryland, College Park, and Rutgers, The State University of New Jersey, Piscataway.

Dr. Pamulapati has a myriad of talents and interests outside of science and technology. Besides being a single digit handicap golfer, he is also a pastry arts and design chef holding a degree in Pastry Arts from L'Academie de Cuisine, Gaithersburg, MD.

Mrs. Evelyn Kent
Director, Department of Defense HBCU/MI Program and Outreach; Office of the Undersecretary of Defense for Research and Engineering (R&E)/Research, Technology & Laboratories (RT&L)

Mrs. Evelyn Kent serves in several capacities within the Office of the Under Secretary of Defense for Research and Engineering where she provides technical support to the Deputy Director for Research, Technology and Laboratories. She is the Department of Defense (DoD) Program Director for the Historically Black Colleges and Universities and Minority-Serving Institutions (HBCU/MI) Program. In this capacity, she oversees the HBCU/MI Programs, which include Hispanic-Serving Institutions (HSI), Tribal Colleges and Universities (TCU), Asian American and Pacific Islanders (AAPI), and other underrepresented minority communities. These program funds support basic research, equipment and instrumentation upgrades, graduate fellowships, scholarships, research and education centers, and other activities focused on attracting underrepresented minorities to the science, technology, engineering, and mathematics (STEM) disciplines important to the DoD national security mission. Mrs. Kent represents the DoD on the White House Initiatives Executive Orders for HBCUs and MIs. Her career spans over 40 years of government service in the information technology, weapon systems acquisition, international affairs, environmental life sciences, and the command, control and intelligence environment.

Mrs. Kent holds a Bachelor of Science degree in Mathematics from Southern University Baton Rouge and a Master of Science degree in Acquisitions Administration from Central Michigan University. She is also a graduate of the Federal Executive Institute Leadership Program in Charlottesville, VA. Mrs. Kent is the recipient of the Department of Defense Exceptional Civilian Service Award. Mrs. Kent's awards also include the 2012 Women of Color STEM Career Achievement award.

Dr. Joan Fuller
Director, University Affiliated Research Centers (UARCs) and Federally Funded Research and Development Centers (FFRDCs); OUSD(R&E)/RT&L

Joan Fuller is the Director for Federal Funded Research Centers (FFRDC) and University Affiliated Research Centers (UARC) in the Office of the Undersecretary of Defense Research and Engineering. In her current role she is responsible for overseeing the policy and statutory oversight of the DoD's FFRDC and UARC's. The FFRDCs and UARCs are operated by non-profit organizations and are deliberately chosen to serve as long-term, independent, strategic partners to the DoD. Leveraging these strategic partnerships is a critical component of the DoD's technology modernization goals. Prior to assuming her current duties, she was the Deputy Executive Director in the Division of Physical and Engineering Sciences (DEPS) at the National Academy of Sciences, Engineering and Medicine (NASEM) where she was responsible for elevating the role of the national security efforts within the Academies and communicating the value to the DoD of independent, science based policy to enable future military capabilities. Throughout her career, she has been an advocate for efforts to promote collaboration between academia and the national security science and technology communities. She holds a PhD in Inorganic Chemistry from the University of Alabama.

Mr. Louie R. Lopez
STEM Director; OUSD(R&E)/RT&L

Mr. Louie Lopez is the Director of the Science, Technology, Engineering and Mathematics (STEM) in the Office of the Undersecretary of Defense in Research and Engineering's (OUSD/R&E), Laboratories and Personnel. Mr. Lopez is responsible for the management and execution of the Department of Defense (DoD) K through Graduate STEM efforts under the National Defense Education Program (NDEP). His responsibilities include the Science Mathematics and Research Transformation (SMART) scholarship, Manufacturing Engineering Education Program, and STEM education and outreach initiatives under the Defense STEM Education Consortium (DSEC) cooperative agreement award in collaboration with partners from academia, industry, and other community organizations with a shared mission in STEM. He serves on a variety of Federal interagency working groups, as well as an alternate under the Federal Coordination of STEM Education. He is also responsible for policy and coordination of STEM efforts across the Department to ensure alignment with DoD and Federal STEM Strategic plans.

Prior to April 2019, Mr. Lopez served as the chief of STEM Education and Outreach for the U.S. Army Combat Capabilities Development Command (CCDC), overseeing STEM efforts across the enterprise, leveraging eight major Army laboratory and engineering centers and its approximately 11,000 scientists and engineers, to engage and support command-wide STEM initiatives. His responsibilities included the technical and fiscal oversight of the Army Educational Outreach Program (AEOP) cooperative agreement award on behalf of the Army science and technology community and the Office of the Deputy Assistant Secretary of the Army for Research and Technology (DASA R&T). Mr. Lopez also managed the Army, Navy, and Air Force Junior Science & Humanities Symposium high school research competition on behalf of AEOP. In 2017, Mr. Lopez served as the Acting Chief of Human Capital and talent management for CCDC. In 2017-2018, Mr. Lopez also served as the COR on the U.S. Army Manufacturing Technology (ManTech) program support contract at CCDC.

Prior to serving in the federal government in 2011, Mr. Lopez worked as Director of a pre-collegiate STEM education program in the Mathematics, Engineering and Science Achievement (MESA) at the Lyles College of Engineering, at California State University, Fresno from 2006-2011, and previously served as Associate Director for University of California's MESA Program at California State University, Fullerton from 1998 to 2005. From 1999-2003, Mr. Lopez taught computer science courses at California State University, Fullerton. Mr. Lopez proudly served in the United States Marine Corps.

Mr. Lopez successfully completed the OPM sponsored Aberdeen Proving Ground Senior Leadership Course as part of COHORT 8 in 2016-2017. He earned his Bachelor's degree in Mathematics from the University of California, San Diego, and Master's Degree in Educational Technology from National University in San Diego, California.

Ms. Karrin Felton
Program Manager, Science, Mathematics, and Research for Transformation (SMART) Scholarship; OUSD(R&E)

Ms. Karrin Felton is the Science, Mathematics, and Research for Transformation (SMART) Scholarship-for-Service Program Manager under the Office of the Under Secretary of Defense for Research and

Engineering (OUSD(R&E)). She is responsible for the oversight of policy development, budget execution, and overall administration of the program. SMART is a Department of Defense (DoD) scholarship-for-service program in science, technology, engineering, and mathematics (STEM) which awards scholarships in 21 STEM disciplines that are critical to national security functions.

Prior to her current role, in 2017, Ms. Felton was selected to serve as the Engineering Competency Manager at Marine Corps Systems Command (MCSC). She was responsible for managing the identification, recruitment, and movement of Engineering Competency personnel, providing a focal point for the review, processing, and approval of competency awards, training and education, and representing the Competency at Engineering and IT activities external to MCSC. She was also the MCSC STEM Action Officer, and Engineering Career Field Manager for both the Naval Acquisition Development Program and SMART Program.

Ms. Felton began her career at MCSC in 2010 as a systems engineer for Naval Integration & Transportability, developing tactical information and business systems technology to enable a more efficient shipboard transition for Command, Control, Communication and Computer (C4) systems necessary for Operating Forces and Marine Expeditionary Units afloat. In 2012, she accepted a rotation to Program Manager Advanced Amphibious Assault. While there she led the development and evaluation of the Marine Personnel Carrier Technology Demonstrator. She then became a project engineer with Medium and Heavy Tactical Vehicles as the project lead for the Logistics Vehicle System Replacement. Prior to working at MCSC, Ms. Felton had more than ten years of work experience in private industry.

Ms. Felton holds a Bachelor of Science degree in chemistry from Norfolk State University and a Master of Engineering degree in chemical engineering from Clarkson University. She is Level III certified in Defense Acquisition Workforce Improvement Act in Systems Planning, Research, Development and Engineering and Level I Certified in Program Management. Ms. Felton's most recent awards include the Navy Meritorious Civilian Service Award, MCSC Mentor of Year Award, and the Technology All Star Award from Women of Color in STEM.

Dr. Michael Robinson
Manager, Basic Research; Defense Threat Reduction Agency (DTRA)

Dr. Michael Robinson is the manager for the basic research program within the Enabling Capabilities Department in the Research and Development Directorate of the Defense Threat Reduction Agency (DTRA). He holds a doctorate in atomic physics from the University of Virginia, specializing in laser cooling and trapping of atoms; he also holds a master of science in business administration from Boston University. Prior to joining DTRA, Mike was a science advisor in the counter improvised explosive device and asymmetric warfare community ensuring technical quality in initiatives from basic research through fielded technology demonstrations. Mike began his career on the bench with the Air Force Research Laboratory, building and managing a basic research laboratory investigating ultra-cold atoms as sensitive inertial force sensors.