

Dr. Jagadeesh Pamulapati

Director, Science and Technology Foundations

Dr. Pamulapati is the Director, Science and Technology (S&T) Foundations, in the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)). He is responsible for overseeing all foundational initiatives within the Department of Defense (DoD) S&T Enterprise. In this role, he champions the DoD S&T enterprise, maintains oversight and awareness of research and development (R&D) throughout the Department, and advocates for the Department's S&T workforce and laboratory infrastructure.

Dr. Pamulapati is responsible for oversight over the DoD R&D enterprise consisting of the Defense research laboratories and warfare/engineering centers, the Department's Federally Funded Research and Development Centers (FFRDCs) and the University Affiliated Research Centers (UARCs). Additionally, he oversees the DoD's basic research investments, from establishing Department-wide policy for grants to overseeing and managing education and workforce development programs, to include Historically Black Colleges and Universities and Minority Serving Institutions (HBCUs/MSIs) and Science, Technology, Engineering, and Mathematics (STEM) initiatives across the Department. In addition to policy and oversight of the R&D enterprise, Dr. Pamulapati is also responsible for the than 63,000 scientists and engineers that work in over 60 DoD laboratories, warfare centers, and engineering centers across 22 states and the District of Columbia. In addition to R&D enterprise matters, Dr. Pamulapati also oversees the Department's technical interchange between Australia, Canada, New Zealand, and the United Kingdom (Five Eyes) partners.

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 and insight 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.