

DR. DEV SHENOY

Principal Director for Microelectronics

Dr. Dev Shenoy joined the Office of the Under Secretary of Defense for Research and Engineering, OUSD(R&E), as the Principal Director for Microelectronics in July 2021. In this role, Dr. Shenoy is responsible for leading the Department of Defense's research and engineering efforts in Microelectronics.

Prior to joining OUSD(R&E), Dr. Shenoy served as the Director of Microelectronics Innovation and as Director of Advanced Technologies at the University of Southern California's Information Sciences Institute.

Prior to joining USC/ISI, Dr. Shenoy served as Chief Engineer in the Advanced Manufacturing Office at the Department of Energy (DOE) HQ. In that role, he co-authored DOE's 2015 QTR (Quadrennial Technology Review) that served as a blueprint for DOE's energy technology investments. Among other initiatives, Dr. Shenoy proposed and led a "Big Idea" for U.S. national security and economic competitiveness within the Office of EERE (Energy Efficiency and Renewable Energy) on "Beyond Moore Computing" with participation from eight DOE National Labs.

Prior to joining DOE, Dr. Shenoy served as a Senior Advisor at the Manufacturing and Industrial Base Policy (MIBP) Office within the Office of the Secretary of Defense (OSD) as a detailee from the Army Night Vision and Sensors Directorate (NVESD) at Fort Belvoir. In that role, he co-led a Telecom initiative with the White House Office of Science and Technology Policy (OSTP) to explore U.S. opportunities in Optical networks. While at OSD/MIBP, Dr. Shenoy proposed and helped develop a public-private partnership in Photonics that led to the creation of the AIM Photonics Institute.

Prior to serving at OSD/MIBP, Dev was a Program Manager at DARPA, (Defense Advanced Research Projects Agency), where he developed and managed cutting-edge technology programs in the areas of Spintronics, such as the STT-RAM (Spin Torque Transfer Random Access Memory) program, a technology that was successfully transitioned and commercialized; Dr. Shenoy also developed and led programs in Photonics and MEMS for defense and commercial applications.

Dr. Shenoy has a Ph.D. in Physics from the prestigious Indian Institute of Science in Bangalore, India, and NSF postdoctoral experience from Case Western Reserve University in Cleveland, Ohio.