

Biography

DR. DEV PALMER

Chief Technology Officer,
Lockheed Martin Advanced Technology Laboratories



Dr. Dev Palmer is the Chief Technology Officer for Lockheed Martin Advanced Technology Laboratories (ATL) in Cherry Hill, NJ. He is responsible for directing the laboratory's internal research program and working with the senior leadership team to define and execute ATL's technology strategy. He leads the Value Creation Forum, assessing new ideas and proposals and providing technical guidance to staff scientists and engineers.

Dr. Palmer is an IEEE Fellow and volunteer, focusing on member advancement and recognition. His dedication to the profession earned him the 2013 IEEE Region 3 Outstanding Service Award. He is a registered Professional Engineer, a member of the Association of Old Crows, the Materials Research Society, Sigma Xi and a Member-at-Large of the United States National Committee for The International

Union of Radio Science. He holds Amateur Extra class radio operator license AI4WT and is an inventor on four patents. He has authored fifty articles in refereed journals, conference records and commercial magazines; two books and two book chapters; and fifty-five conference presentations, including more than thirty invited talks.

Prior to joining Lockheed Martin in November 2017, Dr. Palmer was a Defense Advanced Research Projects Agency (DARPA) Program Manager in the Microsystems Technology Office. His programs covered a range of technologies, including sub-millimeter wave and terahertz electronic sources, sensors, and control components, vacuum electronics, computational modeling of electromagnetics and electronics in the presence of uncertainty, and antennas. One of his programs demonstrated the first solid-state, linear amplifier operating at a frequency of one terahertz which was recognized by Guinness World Records as the world's fastest solid-state amplifier integrated circuit.

From 2001 to 2012, he was an Army Research Office Program Manager for the Electronics Division where he specialized in electromagnetics, microwaves and power and was responsible for a portfolio of projects focused on the next generation of DoD systems for radio communications, sensing and electronic warfare. He developed and sustained relationships between academic researchers, industry technologists, and Army scientists and engineers that led to significant technology transitions, including multi-year, multi-million dollar advanced development programs and fielded applications.

Dr. Palmer has received several awards for his work in guiding research and technology transition for the benefit of the Warfighter, including the 2017 DARPA Meritorious Service Medal, the 2013 Secretary of Defense Award for Excellence, the 2011 Army Superior Civilian Service Medal, and the 2010 Army Research Laboratory Award for Program Management.

He earned his Bachelor of Arts in physics, and his Master of Science and Doctor of Philosophy in Electrical Engineering from Duke University, where he studied electromagnetic theory and microwave circuits.