Dr. Michael A. Pollock

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Director, Electronics, Sensors and Networks
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Dr. Pollock received his bachelor's of science, master's of science, and Doctor of engineering degrees in electrical engineering from Texas A&M University, where he studied ultra-wideband radar and microwave circuit design under the direction of Dr. Kai Chang.

After making numerous contributions to the Navy's inverse synthetic aperture, ultra-wideband and passive ship countermeasure programs at the Naval Ocean System Center, Dr. Pollock assumed leadership of the Radar Branch at the Space and Naval Warfare Center in San Diego. During this time he developed targets, countermeasures, hardware and signal processing for multiple radars spanning HF though millimeter wave. He subsequently joined the Avionics Mission Sensors Group at the Naval Air Weapons Center at Patuxent River Maryland, where he led airborne several sensor technology developments for the Hawkeye, Orion, and Hornet.

As Program Manager for Surface and Aerospace Surveillance Program at the Office of Naval Research in Arlington, Virginia, his guidance led the transition from single channel radars to highly capable multi-beam digital array architectures. As a champion for open system architectures and early continuous testing in operational environments, he has a proven track record for concept development, risk reduction and technology transition into a wide array of Navy systems including ZPY-3, APY-9, APY-10 and the Air and Missile Defense Radars.

A recognized subject matter expert for surface and airborne surveillance technologies, he is frequently called upon, both nationally and internationally, to advise on Command, Control, Communications and Computing, Intelligence, Surveillance and Reconnaissance (C4ISR) matters.

While at ONR, Dr. Pollock attained a deeper understanding of governmental challenges in the capacity of Navy Legislative Fellow to the Senate Appropriations Committee. In January of 2013, Dr. Pollock assumed the helm of Electronics, Sensors and Networks Research Division, extending his focus on early testing and open systems architectures to the areas of Information Dominance, Spectrum Warfare, Network Sensing and Total Ownership Costs.

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