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**Dr. Tim Morgan**  
**Microelectronics Commons Acting Technical Director**  
**NAVAL SURFACE WARFARE CENTER, CRANE DIVISION**  
**NAVAL SEA SYSTEMS COMMAND**



Dr. Tim Morgan is the Microelectronics Commons Acting Technical Director for the Office of Undersecretary of Defense Research and Engineering. In this role, he oversees the technical execution of the program and works directly with the OUSD R&E Microelectronics Principal Director to ensure the acceleration of lab-to-fab microelectronics prototyping in 8 regional hubs across the United States in 6 critical technology areas: Electronic Warfare, Commercial Leap Ahead, AI Hardware, Quantum, 5G/6G and Secure Edge/Internet of Things. Additionally, the \$2B program is part of the larger CHIPS and Science act and works interagency programs across

Department of Commerce (DoC), Department of State (DoS), Department of Energy (DoE), Office of Strategic Capital (OSC), National Science Foundation (NSF), White House Office of Science and Technology Policy (OSTP), etc to coordinate technical and workforce development initiatives.

In 2023, Dr. Morgan was recruited to serve as the Deputy Technical Director for Commons. He initiated the Gap Analysis, working with the Executive Level representatives across tri services to establish technical guidance for Commons. He led technical engagements across the Hub Roadshow. Prepared weekly activity reports to communicate important advancements.

Prior to joining the Commons team, Dr. Morgan worked as the Chief Scientist of Imaging Technology to advance Electro-optical component technology. He coordinated efforts across the Defense Industrial Base, Academia and DOD Labs, nationally and internationally. He mentored and recruited the next generation workforce, creating an atmosphere of curiosity and teaming. He developed strategy for EO/IR S&T, led many tri-service DARPA, ONR and other funded initiatives to advance TRL of EO/IR sensors. He worked many lab-to-fab projects.

In 2018, Dr. Morgan was sought out to join the Electro-optics Science and technology. He led multiple, diverse teams of scientists across the DOD, industry and academia to advance the TRL of imaging components. Sought out the best talent for the team and overcame challenges together. Developed relationships with



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sponsors and wrote proposals to win funding. He established multiple laboratories and new capabilities for existing projects and future workload. Actively helped mentor interns and students to develop future workforce. Recruited new personnel to NSWC Crane in and out of existing branch. Took corrective action when needed and helped develop plans to help mentees succeed.

Dr. Morgan has a Ph.D. in Microelectronics-photonics from University of Arkansas. He won several prestigious fellowships from NSF and other agencies. He holds several patents in microelectronics and electrooptics as well as many publications and talks.