



Dr. Matthew Casto,

Chief Technology Officer, MMEC

Dr. Matt Casto currently serves as Chief Technology Officer of The Midwest Microelectronics Consortium (MMEC) where he is responsible for the mission focused technological direction of the MMEC, leading product research and development from the laboratory to the warfighter and commercialization. Dr. Casto is a standing Senior Member of the Institute of Electrical and Electronics Engineers, holding B.S. and M.S. degrees in Electrical Engineering from Wright State University, and a Ph.D. in Electrical and Computer Engineering from The Ohio State University.

Dr. Casto joined MMEC in 2023, previously serving 20 years in numerous Department of Defense (DoD) technical leadership positions including roles at the Pentagon in the Office of the Secretary of Defense as Director for the DoD Trusted and Assured Microelectronics (T&AM) Program and in the Office of the Assistant Secretary of the Air Force as the Department of Air Force Senior Strategic Advisor for Microelectronics Innovation. As Chief for the Air Force Research Laboratory's Aerospace Components and Subsystems Division at Wright Patterson Air Force Base Dr. Casto led the discovery, development, and integration of affordable sensor and countermeasure technologies for Air and Space Force warfighters.

In addition to his DoD experience, Dr. Casto has proven expertise in driving commercial product innovation. From 2021 to 2023 he successfully led high volume intelligent secure access control operations as CTO and Senior Vice President of Manufacturing and Engineering R&D at The Genie Company.

Dr. Casto has authored more than 60 publications, patents, and invited talks on advanced, secure, and reliable semiconductor and electronics technology, is a 2020 inductee and member of the IEEE Hardware Oriented Security and Trust (HOST) Hall of Fame, and a 2024 recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE).