MIDWEST MICROELECTRONICS CONSORTIUM

DOD Microelectronics Roadshow Connects with The Midwest Microelectronics Consortium to Accelerate Prototyping of Advanced Microchips

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The Department of Defense (DoD) has concluded their tour of the Microelectronics Roadshow, a three-week tour across the nation including representatives from the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)), Naval Surface Warfare Center (NSWC), Crane Division and National Security Technology Accelerator (NSTXL). From January 22 to February 9, these representatives visited all eight hubs that recently received Microelectronics Commons funding. The purpose of the tours is to connect with local government leaders and industry at the respective Hub facilities, establishing initial lab-to-fab and workforce development capabilities. The Midwest Microelectronics Consortium (MMEC) was excited to showcase our region and the exceptional network of industry, academia, and government groups on Wednesday, February 7. The tour kicked off at the National Museum of the United States Air Force, where senior leaders from the region were assembled for both the Mil/Fed Update from Jobs Ohio and the Dayton Development Coalition's Annual Meeting, giving the MMEC an opportunity to share their message with both of these organizations. Former LTGEN Owen remarked, "The MMEC is uniquely positioned to lead the region's microelectronics efforts to address the needs of the warfighter. The MMEC leadership team, given their vast DoD RED and microelectronics background, is well aware of the problem sets and opportunities that will enable MMEC to leverage the regional partnerships and their world-class membership to move critically needed technologies from "lab-to-fab" to transition into our weapon system platforms." Also included in the tour were visits to Battelle, The Ohio State University, Intel corporation , and Air Force Research Laboratory (AFRL).

"We believe our members technology and expertise, along with the incredible support we have received from state and local leadership showcased how dedicated the MMEC and the region is to advancing US based microelectronic development," stated Dr. Matt Casto, CTO of the MMEC. "We would like to thank the stakeholders from the Department and interagency for their support in future project opportunities that will grow our nation's technological advantage."

During the meeting, the MMEC presented experts from industry, academia, and local government leaders and showcased member technologies, future infrastructure investments, and goals to strengthen local economies through workforce development. "The expertise from our 200+ members across 15 states spans all aspects of microelectronic research, development, production, and workforce development. Our focus on lab-to-fab-to-market and lab-to-fab-to-mission is an excellent example of how the MMEC plans to develop technologies and products that will support commercial needs and the warfighter." said Dr. Casto.

Upcoming efforts are focused on the submittal of the Microelectronics Commons 15 tech-based proposals at the end of February. Microelectronics Commons will support prototype projects across six technical areas that are critical to the DoD. Those areas are: Secure Edge Computing/Internet of Things, 5G/6G Technology, Artificial Intelligence Hardware, Quantum Technology, Electromagnetic Warfare, and Commercial Leap Ahead.

For more information about the MMEC please visit our website at mmeconsortium.org

About the MMEC

The MMEC is a non-profit consortium that engages broadly across industry, academia, and government stakeholders for the benefit of commercial and defense applications. Created to advance domestic microelectronic technology development to deliver solutions and strengthen the US-based supply chain, the MMEC is a collaborative, public-private ecosystem that will foster technology innovation that can rapidly move from the laboratory to fabrication to market adoption. Our member community of industry, government, and academia empowers members to discover new technologies, share capabilities, develop the next generation of workforce, and bring world class innovation into scalable commercial production.

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