



WORKSHOP: Security and Access - Access to State of the Art Microelectronics with Quantifiable Assurance [DoD]

WORKSHOP LEAD(S): Dr. Morgan Thoma, Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E))
Dr. Brian Dupaix, Air Force Research Lab (AFRL)

DATE: Wednesday, August 19, 2020

TIME: 2:15 PM – 5:45 PM

DESCRIPTION

The Department of Defense (DoD) is committed to the secure development and demonstration of new microelectronics technology solutions. This workshop will review two major DoD thrusts: 1) Access to State of the Art Commercial Technology and 2) Data-Driven Quantifiable Assurance. These initiatives are leveraging strategic partnerships with commercial domestic providers to perfect a data-driven, "zero-trust" risk-based approach for supply chain protection and assured access to advanced microelectronics technology and electronic components. The workshop will examine new assurance paradigms and standards for supply chain protection and methods for strengthening security while improving access to and protection of sensitive intellectual property (IP). Quantifiable assured design concepts will be discussed along with risk-based protection techniques that meet or exceed National Security Agency standards for IP protection. The goal of these thrust areas is to keep pace with the advancements in microelectronics technology and the globalization of the industrial sector.

AGENDA

2:15 PM	Introduction Dr. Morgan Thoma, OUSD(R&E), T&AM Project Lead
2:25 PM	Access to State of the Art Panel Dr. Morgan Thoma, OUSD(R&E), T&AM - Front Door Foundry Access Mr. Len Orlando, Air Force Research Laboratory (AFRL), T&AM - Secure Design Dr. Saverio Fazzari, DARPA Microsystems Technology Office, The User Experience Mr. Aman Gahoonia, DMEA - Trusted Access Program Office, MPW Program Dr. John Damoulakis, University of Southern California – Information Sciences Institute, Security and Access
Afternoon Break: 3:55 PM – 4:05PM	
4:05 PM	Introduction Dr. Brian Dupaix, Air Force Research Laboratory (AFRL), Project Lead
4:15 PM	Data Driven Quantifiable Assurance Panel Dr. Brian Dupaix, Air Force Research Laboratory (AFRL), Project Lead and Moderator Mr. Glenn Berger, Naval Surface Weapons Center – Crane Mr. Jeff Krieg, National Security Agency (NSA) Mr. Dave Via, Air Force Research Laboratory (AFRL)
Virtual Exhibit Hall Office Hours: 5:45 PM – 6:45 PM	

QUESTIONS

Please contact Sydney Pope for more information following this workshop at sydney.pope.ctr@mail.mil.