



NDIA

ELECTRONICS

DIVISION MEETING & TRUST & ASSURANCE COMMITTEE MEETING

U.S. Microelectronics Ecosystem Strategy

August 30 – September 1 | Arlington, VA | [NDIA.org/Electronics22](https://www.ndia.org/Electronics22)

EVENT INFORMATION

SURVEY AND PARTICIPANT LIST

You will receive via email a survey and list of participants (name and organization) after the conference. Please complete the survey to make our event even more successful in the future.

EVENT CONTACT

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DIVISION LEADERSHIP

Ezra Hall

Senior Director, Worldwide Aerospace & Defense,
GlobalFoundries, Inc.
Electronics Division Co-Chair, NDIA

Neil Schumacher

Partner, Client Executive, IBM
Electronics Division Vice Chair, NDIA

Sarah Leeper

Principal Director, Defense Systems, Draper
Electronics Division Co-Chair, NDIA

Antonio de la Serna

Senior Director, Siemens Government Technologies
Electronics Division Secretary, NDIA

SPEAKER GIFTS

In lieu of speaker gifts, a donation is being made to the Fisher House Foundation.

REAL TIME Q&A



Sli.do is an audience engagement platform that allows users to ask and crowd-source top questions to drive meaningful conversations and increase crowd participation. Participants can up-vote the questions they would most like to hear discussed. Simply tap the thumbs-up button to up-vote a question. Top questions are displayed for the moderator and speaker to answer. Access Sli.do by typing in the event code #Electronics22 or scan the QR code.

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TUESDAY, AUGUST 30

8:00 am – 4:00 pm

REGISTRATION

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

8:00 – 9:00 am

NETWORKING CONTINENTAL BREAKFAST

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

9:00 – 9:15 am

OPENING REMARKS

GLOBAL VISION CENTER- AUDITORIUM

Ezra Hall

Senior Director, Worldwide Aerospace & Defense, GlobalFoundries, Inc.
Electronics Division Co-Chair, NDIA

9:15 – 10:15 am

KEYNOTE SPEAKER: NEEDS & REQUIREMENTS FOR MICROELECTRONICS FROM ACQUISITION COMMUNITY

GLOBAL VISION CENTER - AUDITORIUM

Dr. Christine Michienzi

Chief Technology Officer, Office of the Assistant Secretary of Defense
for Industrial Policy

10:15 – 10:45 am

NETWORKING BREAK

GLOBAL VISION CENTER- MULTIPURPOSE ROOM

10:45 am – 12:00 pm

INDUSTRY PERSPECTIVE OF MICROELECTRONIC NEEDS

GLOBAL VISION CENTER - AUDITORIUM

Dr. Daniel Radack

Assistant Director, Institute for Defense Analysis (IDA)
Moderator

Dr. William Chappell

Vice President, Mission Systems, Microsoft

Susie Armstrong

Senior Vice President, Engineering, Qualcomm

James Libous

Fellow & Chief Strategist, Research, Technology and S&T Policy Strategy,
Lockheed Martin Corporation

12:00 – 1:00 pm

NETWORKING LUNCH

GLOBAL VISION CENTER- MULTIPURPOSE ROOM

1:00 – 2:00 pm

KEYNOTE SPEAKER: ROADMAP

GLOBAL VISION CENTER - AUDITORIUM

Dr. Dev Shenoy

Principal Director for Microelectronics, Under Secretary of Defense for
Research and Engineering

2:00 – 2:30 pm

NETWORKING BREAK

2:30 – 3:45 pm

FOUNDRIES/SUPPLY SLIDE

GLOBAL VISION CENTER- AUDITORIUM

Eric Breckenfeld

Director of Technology Policy, Semiconductor Industry Association (SIA)
Moderator

Ezra Hall

Senior Director, Aerospace and Defense Business Line, GlobalFoundries, Inc.
Electronics Division Co-Chair, NDIA

Shawn Fetterolf

Strategist, Federal, Intel Corporation

Dr. Brad Ferguson

Chief Government Affairs Officer, SkyWater Technologies

3:45 – 4:00 pm

CLOSING REMARKS

GLOBAL VISION CENTER - AUDITORIUM

Sarah Leeper

Principal Director, Defense Systems, Draper
Electronics Division Co-Chair, NDIA

BIOGRAPHIES



DR. CHRISTINE MICHIEZI

Chief Technology Officer, Deputy Assistant Secretary of Defense

Dr. Christine (Chris) Michienzi is a Scientific Professional (ST) in the Office of the Secretary of Defense. She is the Chief Technology Officer

for the Assistant Secretary of Defense (ASD) for Industrial Base Policy and for the Undersecretary of Defense (USD) for Acquisition and Sustainment. She provides technical expertise and strategic and policy guidance to the ASD and USD on critical defense industrial base issues and mitigations in acquisition and sustainment technology areas such as critical chemicals, hypersonics, microelectronics, and strategic systems.

Prior to her current assignment, Dr. Michienzi served as the Missiles and Munitions Industrial Analyst and then Director of Industrial Base Assessments in Industrial Policy - leading a team of industrial analysts responsible for assessing the capabilities, health, and resiliency of the industrial base on which the Department relies for current and future warfighting capabilities. She and her team developed mitigations to address identified industrial base risks and issues in all industrial sectors, leading to enhanced Department readiness.

Dr. Michienzi's previous position in OSD was as a munitions expert, and she served as the Insensitive Munitions lead for the DoD in the office of the Deputy Assistant Secretary of Defense, Tactical Warfare Systems, where she led a large, multi-Service Science and

Technology program to develop technologies to make DoD munitions safer. She also served as the missiles and munitions technical expert for the Technical Director, while at the Navy's Program Executive Office, Integrated Warfare Systems (PEO IWS), Surface Ship Weapons, where she led the effort to integrate the Navy's missile systems with the new Air and Missile Defense Radar system.

Dr. Michienzi began her career with the Department of Defense at the Naval Surface Warfare Center, Indian Head Division, initially working as a formulation chemist, developing new explosives and propellants for DoD weapons systems, for which she holds five patents and has published numerous technical papers. She eventually transitioned to the acting Research, Development, Test and Evaluation Department Head, leading over 300 scientist and engineers performing research for Navy weapons systems. She received both the Naval Sea Systems Command Scientist of the Year Award and the Assistant Secretary of the Navy for Research, Development and Acquisition Scientist of the Year Award for her research achievements.

Most recently, Dr. Michienzi received the Secretary of Defense's Medal for Exceptional Civilian Service.

Dr. Michienzi received her Bachelor of Science degree in Chemistry from the University of Maryland, College Park (UMCP), and her Doctorate in Analytical Chemistry, also from UMCP.



DR. DEV SHENOY

Principal Director for Microelectronics, Office of the Under Secretary of Defense for Research and Engineering

Dr. Dev Shenoy joined the Office of the Under Secretary of Defense for Research and Engineering, OUSD (R&E), as the Principal Director for Microelectronics in July 2021. In this role, Dr. Shenoy is responsible for leading the Department of Defense’s research and engineering efforts in Microelectronics.

Prior to joining OUSD(R&E), Dr. Shenoy served as the Director of Microelectronics Innovation and as Director of Advanced Technologies at the University of Southern California’s Information Sciences Institute.

Prior to joining USC/ISI, Dr. Shenoy served as Chief Engineer in the Advanced Manufacturing Office at the Department of Energy (DOE) HQ. In that role, he co-authored DOE’s 2015 QTR (Quadrennial Technology Review) that served as a blueprint for DOE’s energy technology investments. Among other initiatives, Dr. Shenoy proposed and led a “Big Idea” for U.S. national security and economic competitiveness within the Office of EERE (Energy Efficiency and Renewable Energy) on “Beyond Moore Computing” with participation from eight DOE National Labs.

Prior to joining DOE, Dr. Shenoy served as a Senior

Advisor at the Manufacturing and Industrial Base Policy (MIBP) Office within the Office of the Secretary of Defense (OSD) as a detailee from the Army Night Vision and Sensors Directorate (NVESD) at Fort Belvoir. In that role, he co-led a Telecom initiative with the White House Office of Science and Technology Policy (OSTP) to explore U.S. opportunities in Optical networks. While at OSD/MIBP, Dr. Shenoy proposed and helped develop a public-private partnership in Photonics that led to the creation of the AIM Photonics Institute.

Prior to serving at OSD/MIBP, Dev was a Program Manager at DARPA, (Defense Advanced Research Projects Agency), where he developed and managed cutting-edge technology programs in the areas of Spintronics, such as the STT-RAM (Spin Torque Transfer Random Access Memory) program, a technology that was successfully transitioned and commercialized; Dr. Shenoy also developed and led programs in Photonics and MEMS for defense and commercial applications.

Dr. Shenoy has a Ph.D. in Physics from the prestigious Indian Institute of Science in Bangalore, India, and NSF postdoctoral experience from Case Western Reserve University in Cleveland, Ohio.

NDIA TRUST & ASSURANCE WORKSHOP AGENDA

WEDNESDAY, AUGUST 31

7:00 am – 4:30 pm

REGISTRATION

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

7:00 – 8:00 am

NETWORKING BREAKFAST

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

8:00 – 9:30 am

WELCOME – AGENDA OVERVIEW & INTRODUCTIONS

GLOBAL VISION CENTER - AUDITORIUM

Daniel DiMase

President & Chief Executive Officer, Aerocyonics, Inc.

9:30 – 9:45 am

DISCUSSION OF MQA EFFORTS AND ALIGNMENT TO WORKSHOP EFFORTS

GLOBAL VISION CENTER - AUDITORIUM

Christine Rink

Senior Engineering Specialist, Aerospace Corporation

9:45 – 10:15 am

BUILDING AN ASSURANCE CASE AND WHAT IS NEEDED TO COMPLETE THESE MODELS

GLOBAL VISION CENTER - AUDITORIUM

Dr. Jeremy Bellay

Director of Data Science Research, Cyber Intelligence and Analytics, Battelle Memorial Institute

Robert Martin

Senior Principal Engineer, Software and Supply Chain Assurance Project Lead, MITRE Corporation

10:15 – 10:45 am

COUNTERFEIT DEFECT COVERAGE THAT WAS COMPLETED BY THE SAE G-19A GROUP

GLOBAL VISION CENTER - AUDITORIUM

Daniel DiMase

President & Chief Executive Officer, Aerocyonics, Inc.

Dr. Ujjwal Guin

Assistant Professor, Electrical and Computer Engineering, Auburn University

10:45 – 11:00 am

NETWORKING BREAK

GLOBAL VISION CENTER- MULTIPURPOSE ROOM

11:00 – 11:30 am

TEST ARTICLE GENERATION

GLOBAL VISION CENTER - AUDITORIUM

Dr. Chris Taylor

Senior Computer Engineer, Cyber Trust and Analytics Business Unit, Battelle Memorial Institute

11:30 am – 12:00 pm

OUTPUT OF THE SEMICONDUCTOR FABRICATION ASSURANCE PROGRAM AND THE POTENTIAL DATA THAT COULD BE COLLECTED AT THE FAB

GLOBAL VISION CENTER - AUDITORIUM

Dr. Jeremy Muldavin

DMTS Program Management, GlobalFoundries, Inc.

12:00 – 12:45 pm

NETWORKING LUNCH

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

12:45 – 1:15 pm

BRIDGING THREATS, WEAKNESSES, AND VULNERABILITIES WITH MITIGATIONS AND QUANTIFYING THEM

GLOBAL VISION CENTER- AUDITORIUM

Zachary Collier

President, Collier Research Systems

Dr. John Chandy

Associate Professor and Associate Head, ECE Department, University of Connecticut

1:15 – 1:30 pm

REVIEW OF SPREADSHEETS FOR THE DATA-SETS

GLOBAL VISION CENTER - AUDITORIUM

Zachary Collier

President, Collier Research Systems

1:30 – 1:45 pm

NETWORKING BREAK

GLOBAL VISION CENTER- MULTIPURPOSE ROOM

1:45 – 3:45 pm

CONCURRENT BREAKOUT SESSIONS

GLOBAL VISION CENTER - ROOM TBD

Topics: Design, Mask and Fabrication; Assembly and Packaging; Distribution, Integration, Maintenance/Repair

3:45 – 4:00 pm

NETWORKING BREAK

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

4:00 – 5:00 pm

BREAKOUT DEBRIEF/SUMMARY & NEXT DAY PLAN

GLOBAL VISION CENTER - AUDITORIUM

Daniel DiMase

President & Chief Executive Officer, Aerocyonics, Inc.

THURSDAY, SEPTEMBER 1

7:00 am – 1:00 pm

REGISTRATION

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

7:00 – 8:00 am

NETWORKING BREAKFAST

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

8:00 – 8:15 am

OPENING REMARKS & AGENDA OVERVIEW

GLOBAL VISION CENTER - AUDITORIUM

Daniel DiMase

President & Chief Executive Officer, Aerocyonics, Inc.

8:15 – 8:45 am

LESSONS LEARNED FROM DAY ONE

GLOBAL VISION CENTER - AUDITORIUM

Daniel DiMase

President & Chief Executive Officer, Aerocyonics, Inc.

8:45 – 11:15 am

CONCURRENT BREAKOUT SESSIONS

11:15 am – 12:00 pm

NETWORKING LUNCH

GLOBAL VISION CENTER - MULTIPURPOSE ROOM

12:00 – 1:00 pm

BREAKOUT GROUP REPORT-OUT

1:00 – 2:15 pm

WRAP-UP AND DEBRIEF/NEXT STEPS

GLOBAL VISION CENTER - AUDITORIUM

Daniel DiMase

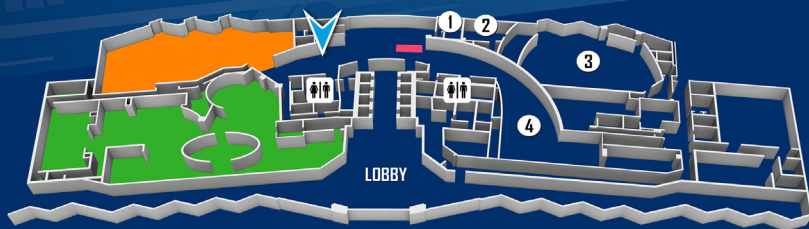
President & Chief Executive Officer, Aerocyonics, Inc.

Joel Heebink

Project Engineer, Aerocyonics, Inc.

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VENUE MAP



First Floor

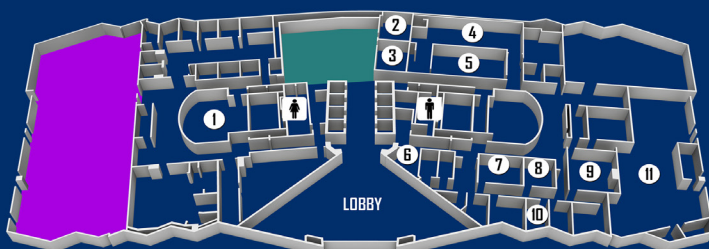
Demonstration Centers

- Fighter Demonstration Center (FDC)
- Rotary Wing Innovation Center (RWIC)

- ▼ You are here
- Security Visitor Registration

Conference Rooms

- 1 GVC Business Center
- 2 Atlas
- 3 GVC Auditorium
- 4 Multipurpose Room



Second Floor

Demonstration Centers/Customer Engagement Centers

- Space Experience Center (SEC)
- Corporate Legacy Experience Area

Conference Rooms

- 1 Poseidon
- 2 Viking
- 3 Trident
- 4 GVC-A
- 5 GVC-B
- 6 Foyer Touchdown
- 7 Fort Worth
- 8 Touchdown Space
- 9 Freedom
- 10 Milwaukee
- 11 GVC-C

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