

NAECON 2024 Invited Speakers

Monday July 15, 2024

Tutorial 1: High Temperature Electronics Workshop *(Ballroom)*

- **Dr. Darren Brock**, Lockheed Martin Corporation
Development of a GaN MMIC Fabrication Process for Extreme Temperature Operation
Time: 1300 – 1345
- **Dr. Deep Jariwala**, University of Pennsylvania
Nitride Ferroelectric Materials and Device for Computing in Extreme Environments
Time: 1400 – 1445
- **Dr. Mark Sheplak**, University of Florida
Technology Development for an Integrated AlScN/SiC Dynamic Pressure Sensor
Time: 1500 – 1545

Tutorial 2: Enhancing Assured PNT: Alternative, Collaborative and AI/ML Methods, Open Standards and Interoperability *(Auditorium)*

- **Dr. Charles Barry**, Lucent Cyber Corp.
Time: 1300 – 1530

Tutorial 3: Artificial Intelligence & Machine Learning *(Kitty Hawk)*

- **Dr. Chong Yu**, University of Cincinnati
Time: 1300 – 1530

Tuesday July 16, 2024

Keynote 1: XBAW Technology – Enabling Next Generation RF Filter Solutions Spanning FR1 and FR3 (2-20 GHz) *(Ballroom)*

- **Dr. Karim Seghouane**, University of Melbourne, Australia
Time: 0815 – 0900

Keynote 2: Navigation, Guidance and Control (PNT) for Next Generation Avionics *(Ballroom)*

- **Dr. Charles Barry**, Luminous Cyber Corp.
Time: 1200 – 1245 (Luncheon Speaker)

Wednesday July 17, 2024

Keynote 3: *(Ballroom)*

- **Mr. Joseph Oder**, SES, AFNWC/CA
Time: 1130 – 1215 (Luncheon Speaker)

Keynote 4: **Trusted and Assured Microelectronics (T&AM) Overview** *(Ballroom)*

- **Dr. Matt Kay**, OSD TAAM, Naval Surface Warfare Center, Crane Division
Time: 1215 – 1300

Keynote 5: *(Ballroom)*

- **Ms. Jackie Janning-Lask**, CEO, MMEC
Time: 1930 – 2015 (Banquet Speaker)

Thursday July 18, 2024

Keynote 6: *(Ballroom)*

- **MGen Bartman**, Parallax Advanced Research
Time: 0830 – 0915

Keynote 7: **Navigation, Guidance and Control (PNT) for Next Generation Avionics** *(Ballroom)*

- **Dr. Steve Naboicheck**, Senior Fellow, Lockheed Martin Corp (MTT-S Special Session)
Time: 0930 – 1015