

AMTA 2025 REGIONAL EVENT CONFERENCE AGENDA

Tuesday, May 20 | Tempe, AZ

Precision Testing of Antennas and RF Systems: Ensuring Aerospace & Defense Readiness

7:00 AM **On-Site Registration – Continental Breakfast**

8:00 AM **AMTA Welcome**
Daniel Aloj, Oakland University, AMTA Vice-President

8:10 AM **Keynote: Antennas, Machine Learning, and Emerging Space Technologies**
Dr. Christos Christodoulou, University of New Mexico, IEEE Fellow

9:10 AM **On Selecting the Best-Suited Antenna Range for Measuring Antenna Radiated Performance**
Dr. Vince Rodriguez, NSI-MI, AMTA Fellow and Distinguished Speaker

10:10 AM **Break**

10:40 AM **NASA's Horizontal Planar Near-Field Facility: A Very-Large High-Accuracy Measurement System for Testing Spaceborne Antennas**
Dr. Domenic Belgiovane, Microwave Vision Group

11:20 PM **The Empirical Mode Decomposition (EMD) Method and Its Application in Antenna Measurement**
Yibo Wang, ETS-Lindgren

12:00 PM **Lunch**

1:00 PM **Multifunctional Antenna Apertures for 5G Radio**
Dr. Shubhendu Bhardwaj, University of Nebraska

1:40 PM **Characterization of Millimeter-wave Reconfigurable Intelligent Surfaces Using a Near-Field Measurement Setup**
Dr. Georgios Trichopoulos, Arizona State University

2:20 PM **Acceleration of Antenna Measurements using Compressive Sensing and Sparse Sampling**
Kim Hassett, Next Phase Measurements

3:00 PM **Break: Refreshments**

3:20 PM **Break: Refreshments + LIVE Demonstration of TBD**
TBD, Arizona State University

3:50 PM **Measuring the Receive Sensitivity (a.k.a. G/T) of Active Antenna Systems**
Ryan Cutshall, Raytheon

4:30 PM **Real World Challenges with Antenna Calibration in the Aerospace Industry**
Dennis Lewis, Boeing

5:10 PM **Exploring the Frontiers of Phased Array Radar Measurement Advancements**
Dr. Jorge Salazar-Cerreno, University of Oklahoma

5:50 PM **Closing Comments: Preview of AMTA 2025 Symposium**
Justin Dobbins, Raytheon, AMTA 2025 Host, AMTA Fellow