

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**
Vince Rodriguez, NSI-MI, AMTA Fellow and Distinguished Speaker

10:10 AM **Break**

10:30 AM **The Antenna Digital Twin – When Measurements and Simulations Unite**
Benoit Derat, Rohde & Schwarz

11:15 AM **TBD Title**
Dr. Domenic Belgiovane, Microwave Vision Group

12:00 PM **The Empirical Mode Decomposition (EMD) Method and Its Application in Antenna Measurement**
Yibo Wang, ETS-Lindgren

12:15 PM **Lunch**

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

1:45 PM **Acceleration of Antenna Measurements using Compressive Sensing and Sparse Sampling**
Kim Hassett, Next Phase Measurements

2:30 PM **Break: Refreshments**

2:45 PM **Break: Refreshments + LIVE Demonstration of TBD**
TBD

3:15 PM **TBD Title**
Ryan Cutshall, Raytheon

4:00 PM **Real World Challenges with Antenna Calibration in the Aerospace Industry**
Dennis Lewis, Boeing

4:45 PM **Exploring the Frontiers of Phased Array Radar Measurement Advancements**
Jorge Salazar-Cerreno, University of Oklahoma

5:30 PM **Closing Comments: Preview of AMTA 2025 Symposium**
Justin Dobbins, Raytheon, AMTA 2025 Host, AMTA Fellow

5:35 PM –
6:35 PM **RECEPTION with Attendees, Speakers, and Exhibitors**

	Invited Speaker	Presentation Title	Abstract	Photo	Bio
1.	Dr. Christos Christodoulou University of New Mexico IEEE-AP Society Fellow and Past Distinguished Lecture	Antennas, Machine Learning, and Emerging Space Technologies	X	X	X
2.	Dr. Vincent Rodriguez NSI-MI AMTA Fellow and Distinguished Speaker	On Selecting the Best-Suited Antenna Range for Measuring Antenna Radiated Performance	X	X	X
3.	Benoit Derat Rohde & Schwarz IEEE-EMC Society Distinguished Lecturer	The Antenna Digital Twin – When Measurements and Simulations Unite	X	X	X
4.	Dr. Yibo Wang ETS-Lindgren	The Empirical Mode Decomposition (EMD) Method and Its Application in Antenna Measurement	X	X	X
5.	Kimberly Hassett Next Phase Measurements	Acceleration of Antenna Measurements using Compressive Sensing and Sparse Sampling		X	X
6.	Dennis Lewis Boeing Past IEEE-EMC Society Distinguished Lecture & AMTA Fellow	Real World Challenges with Antenna Calibration in the Aerospace Industry	X	X	X
7.	Dr. Domenic Belgionave Microwave Vision Group	TBD		X	X
8.	Ryan Cutshall Raytheon	TBD			
9.	Dr. Shubhendu Bhardwaj University of Nebraska-Lincoln	Multifunctional Antenna Apertures for 5G Radio	X	X	X
10.	Dr. Jorge Salzar-Cerreno The University of Oklahoma	Exploring the Frontiers of Phased Array Radar Measurement Advancements	X	X	X