



# AMTA ROCKY MOUNTAIN NODE MEETING

Tuesday, April 15<sup>th</sup> 6 PM – 8 PM

University of Colorado

Discovery Learning Center, DLC 1B70

Come learn about the Antenna Measurement and Techniques Association! Join us for pizza and a lecture from the AMTA Distinguished Speaker. Information about membership and the upcoming AMTA 2025 conference in Tuscon, AZ will be provided.

**Dr. Vince Rodríguez**

**AMTA Distinguished Speaker**

## **“On Selecting the Best-Suited Antenna Range for Measuring Antenna Radiated Performance”**

### **Abstract:**

This lecture explores the importance of range performance, the approach to range selection, the need or not for shielding, the possibility of an indoor range and the type of range depending on the frequency and electrical size of the antenna under test. Most important, what is the expectation of the measurement, what is the parameter of interest. This discussion will lead to basic uncertainty analysis and the understanding of what is the allowable error in the measurement.

### **Speaker Bio:**

**Dr. Vince Rodriguez** attended The University of Mississippi (Ole Miss) and obtained his B.S.E.E. in 1994. Following graduation, Dr. Rodriguez joined the Department of Electrical and Computer Engineering at Ole Miss as a research assistant. During his tenure there, he earned his M.S. and Ph.D degrees, both in engineering science with an emphasis in electromagnetics, in 1996 and 1999, respectively. Dr. Rodriguez joined MI Technologies (now NSI-MI Technologies) as senior applications engineer in November 2014. In this role, Dr. Rodriguez worked on antenna design, RCS, HWiL, and radome measurement systems, as well as designing several associated anechoic ranges. In 2022 he was appointed manager of the Electromagnetic analysis group. Vince has been a member of the Antenna Measurement Techniques Association (AMTA) since 2000. On the Board of Directors of AMTA, he served as Meeting Coordinator (2010-2011) and Vice President during 2012. In 2014, he was named an E. S. Gillespie Fellow and in 2022 he got the AMTA Distinguished Achievement Award. He has been appointed this year as AMTA Distinguished Speaker.