

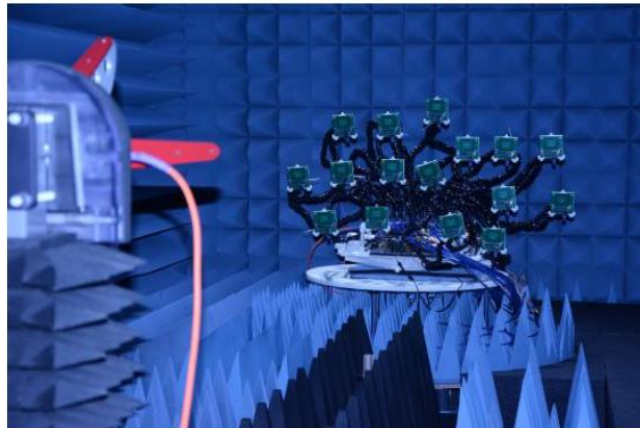
Expanding the Limits - Antenna Metrology Using UAVs

Abstract:

UAVs are increasingly important in the RF measurement industry due to their versatility and the possibility of performing measurements in-situ. Experts will present diverse applications of UAVs for antenna measurement applications. Topics include UAVs for low frequency in-situ antenna characterization and calibration, for in-situ measurements of radar signals, and UAV swarming applications. The session presents the challenges of and opportunities for remote measurements using UAVs. This is a new emerging technology that is receiving increased interest from academia government, and industry, with an increasing number of conferences, including EuCAP and AMTA, dedicating full sessions to it.

Workshop outline:

We have invited several excellent speakers from industry and academia who are well-known researchers in the EuCAP and AMTA communities as shown below. Each speaker will present for approximately 22 minutes followed by a Q&A session to make the workshop very interactive between the speakers and the attendees.



Short CVs of key speakers:

Fabian T. Faul and Thomas F. Eibert, TU Munich, Germany (PhD student with Prof. Eibert and Prof. Eibert himself)

- Gregory Huff, Penn State University, US (Associate professor. Note the photo above depicts a test environment for swarming UAVs used by Prof. Huff as part of the “Medusa” R&D project – photo courtesy of ETS-Lindgren)
- Giuseppe Virone, Italian National Research Council, Turin, Italy (Research Assistant, PhD from Politecnico di Torino, Italy)
- Cosme Culotta-López, QuadSAT, Odense, Denmark (Senior RF Engineer, Doctor of Engineering from RWTH Aachen University, Germany)