

# Recent trend of drone-based measurement



## Abstract

The use of drones for radio frequency (RF) measurement continues to expand, offering new possibilities for testing and measurement. This workshop provides an overview of robotic and drone-based RF measurement technologies, highlighting the latest industry developments and applications. Experts will introduce key advancements, including satellite emulation for antenna measurement and emitter geolocation, offering insights into the technology behind these innovative solutions.

## Speakers

- 1) Opening Talk - Quadsat
- 2) Keynote 1 - Stuart Gregson (Queen Mary University of London / Next Phase Measurements): "Introduction to Modern Antenna Measurements (Focusing on Robots and Drones)".
- 3) Technical Presentation 1 – Fabio Paonessa (Consiglio Nazionale delle Ricerche (CNR)): "The Experience of CNR in UAV-Based Antenna Measurements: From VHF to Q-Band"
- 4) Technical Presentation 2 – Stuart Gregson (Queen Mary University of London / Next Phase Measurements): "Recent Advances in Modern Drone-Based Antenna Measurements"
- 5) Keynote 2 – Shuai Zhang (Aalborg University): "Drone Obtained Electromagnetic Signatures"
- 6) Technical Presentation 3 – Abel Zandamela, Thomas Hansen, Saki Omi (Quadsat): "Recent Trends in Drone-Based Measurements: Quadsat Insights"
- 7) Overall Discussion and Q&A