



- A20-0053 **"Numerical Modelling and Experimental Validation of a D-Band Lens-Based Antenna Design for Beyond 5G Communications"**
Benoit Derat¹, Sebastian Schmitz¹, Simon Lachner¹, Maria Arias Campo², and Simona Bruni² (¹Rohde & Schwarz GmbH, ²IMST GmbH)
- A20-0043 **"Examining and Optimizing Compact Antenna Test Ranges for 5G NR OTA Massive MIMO Multi-User Test Applications"**
S.F. Gregson^{1,2} and C.G. Parini² (¹Next Phase Measurements, ²Queen Mary University of London)
- A20-0069 **"Ultra-Reconfigurable VO2-Based Reflectarrays for 5G Applications"**
Randy Matos and Nezhil Pala (Florida International University)
- A20-0099 **"Automotive OTA Measurement Techniques and Challenges"**
Patrick Pelland¹, Daniël Janse van Rensburg¹, Mihai Berbeci², Fynn Ove Storjohann³, Andreas Griesche³, and Jan-Peter Busch³ (¹NSI-MI Technologies, ²NSI-MI UK Ltd., ³Antenna Technology Center GmbH)
- A20-0059 **"Challenges for the Automotive Industry on MIMO OTA Testing"**
Mihai Berbeci¹, Patrick Pelland², Thomas Leifert³ (¹NSI-MI UK Ltd., ²NSI-MI Technologies, ³Keysight Technologies)
- ~~A20-0087 **"Compact Reconfigurable Circular Disc UWB Antenna With Switchable Six Band Notched Functions"**
Indra Bhooshan Sharma and M.M.Sharma (Malaviya National Institute of Technology)~~