



- A20-0026 **"Nearfield Antenna Measurements over Seawater – Challenges and Prospects"**  
David A. Tonn (Naval Undersea Warfare Center)
- A20-0033 **"Polyhedral Sampling Structures for Phaseless Spherical Near-Field Antenna Measurements"**  
Adrien Guth<sup>1</sup>, Cosme Culotta-L'opez<sup>1</sup>, Johannes Maly<sup>2</sup>, Holger Rauhut<sup>2</sup>, and Dirk Heberling<sup>1,3</sup> (<sup>1</sup>Institute for High Frequency Technology, RWTH Aachen University, <sup>2</sup>Chair for Mathematics of Information Processing, RWTH Aachen University, <sup>3</sup>Fraunhofer Institute for High Frequency Physics and Radar Techniques)
- A20-0039 **"Measuring G/T with a Spherical Near-Field Antenna Measurement System via the CW-Ambient Technique"**  
Ryan T. Cutshall, Justin Dobbins, and Matthew N. Barr (Raytheon Technologies)
- A20-0041 **"Reduced Azimuthal Sampling for Spherical Near-Field Measurements"**  
Fernando Rodríguez Varela, Xiaoliang Sun, Belén Galocha Iragüen, and Manuel Sierra Castañer (Universidad Politécnica de Madrid)
- A20-0048 **"Spherical Test-Zone Field Measurements of a Compact Antenna Test Range"**  
T. M. Gemmer<sup>1</sup> and D. Heberling<sup>1,2</sup> (<sup>1</sup>RWTH Aachen University, <sup>2</sup>Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR)
- A20-0057 **"Near-field testing with a 8.9x1.6 m2 planar scanner at Christiaan Huygens Laboratory (CHL)"**  
Cornelis G. M. van 't Klooster<sup>1</sup> and Niels W. de Jong<sup>2</sup> (<sup>1</sup>Eindhoven University of Technology, <sup>2</sup>Christiaan Huygens Laboratory B.V.)
- A20-0063 **"Definition, Implementation, and Evaluation of a Novel Spiral-Sampling Technique"**  
Vivek H. Sanandiya and Scott T. McBride (NSI-MI Technologies)
- A20-0065 **"Nearfield Measurements on Integrated Antennas with a Frequency Convertor and Embedded Local Oscillator"**  
Thilo Bednorz and Mike Leffel (Rohde & Schwarz)
- A20-0079 **"Adaptive Sampling for Compressed Spherical Near-Field Measurements"**  
Cosme Culotta-L'opez<sup>1</sup>, and Dirk Heberling<sup>1,2</sup> (<sup>1</sup>RWTH Aachen University, <sup>2</sup>Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR)
- A20-0081 **"Revising the Theory and Practice of Electrical Alignment Procedures for Spherical Near-field Antenna Measurement Facilities"**  
Kyriakos Kaslis, Olav Breinbjerg, Jeppe M. Bjørstorp, and Javier F. Alvarez (Technical University of Denmark)
- A20-0088 **"Sensitivity analysis of Fast Non-Redundant NF Sampling Methodologies with Probe Positioning errors"**  
M.A.Saporetti<sup>1</sup>, F. Saccardi<sup>1</sup>, L.J. Foged<sup>1</sup>, F. D'Agostino<sup>2</sup>, F. Ferrara<sup>2</sup>, C. Gennarelli<sup>2</sup>, R. Guerriero<sup>2</sup>, and D. Trenta<sup>3</sup> (<sup>1</sup>Microwave Vision Italy (MVI), <sup>2</sup>Università di Salerno, <sup>3</sup>European Space Agency)
- A20-0095 **"NF-FF Transformation with Uniform Planar Spiral Scanning for Volumetric Antennas"**  
F. D'Agostino, F. Ferrara, C. Gennarelli, R. Guerriero, M. Migliozi, and G. Riccio (Università di Salerno)
- A20-0098 **"Near Field Measurements with Radically reduced Sampling requirement through Numerically defined expansion Functions"**  
M.A.Saporetti<sup>1</sup>, F. Saccardi<sup>1</sup>, L.J. Foged<sup>1</sup>, M. Righero<sup>2</sup>, G. Giordanengo<sup>2</sup>, G. Vecchi<sup>3</sup>, and D. Trenta<sup>4</sup> (<sup>1</sup>Microwave Vision Italy (MVI), <sup>2</sup>Links Foundation, <sup>3</sup>Politecnico di Torino, <sup>4</sup>European Space Agency)
- A20-0103 **"An approach for dimensioning equivalent radiators"**  
Amedeo Capozzoli, Claudio Curcio, and Angelo Liseno (Università di Napoli)