



- A20-0038 **"A Validated Model for Non-Line-of-Sight V2X Communications"**  
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- A20-0068 **"Aerosol Jet printed antenna for vehicular communications"**  
Adamantia Chletsou<sup>1</sup>, Cameron Crump<sup>1</sup>, John Papapolymerou<sup>1</sup>, and John F. Locke<sup>2</sup> (<sup>1</sup>Michigan State University, <sup>2</sup>Ford Motor Company)
- A20-0056 **"Increasing 4-D Imaging Radar Calibration Accuracy Using Compact Antenna Test Range"**  
Benoit Derat<sup>1</sup>, Daniel Markert<sup>1</sup>, Josef Schm"oller<sup>1</sup>, Rong Cheng Leng<sup>1</sup>, Yaohui Liu<sup>2</sup>, and Ralf Reuter<sup>2</sup> (<sup>1</sup>Rohde & Schwarz GmbH, <sup>2</sup>Uhnder Inc.)
- A20-0045 **"Automotive radar simulations in a real traffic scenario: Antenna design and Radar evaluation"**  
Jaehoon Kim (Altair Engineering, Inc.)
- A20-0097 **"Experimental Investigation of Different Floor Materials in Automotive Near Field Antenna Testing"**  
F. Saccardi<sup>1</sup>, F. Mioc<sup>1</sup>, A. Scannavini<sup>1</sup>, L. J. Foged<sup>1</sup>, J. Estrada<sup>2</sup>, P. O. Iversen<sup>2</sup>, M. Edgerton<sup>3</sup>, and J.A. Graham<sup>3</sup> (<sup>1</sup>Microwave Vision Italy, <sup>2</sup>MVG, Inc, <sup>3</sup>GM Proving Grounds)
- A20-0105 **"Using High-Accuracy Swing Arm Gantry Positioners in Spherical Near-Field Automotive Measurement Systems"**  
Vivek Sanandiya, Tim Schwartz, and Eric Kim (NSI-MI Technologies)
- A20-0018 **"Bi-static Reflectivity Measurements of Vulnerable Road Users using Scaled Radar Objects"**  
Andreas Schwind, Willi Hofmann, Ralf Stephan, and Matthias A. Hein (Technische Universit"at Ilmenau)
- A20-0085 **"DNG MTM Loaded Planar Gasket Monopole Antennas for Automotive Applications"**  
Deepanshu Kaushal and Anuradha Sonker (NIT Hamirpur)