AMTA 2009 Preliminary Schedule 1-6 November 2009, Little America Hotel, Salt Lake City, Utah

Sunday 1-Nov

Time	Sunday
Registration	8:00-10:00 AM 2:00-8:00 PM
Exhibits	Exhibitor Set-up 8:00 AM - 5:00 PM (Sat & Sun)
8:00 AM / 8:15 AM / 8:30 AM / 8:45 AM	8:00 - 9:00 AM Short Course Breakfast Patio Gardens
9:00 AM / 9:15 AM / 9:30 AM / 9:45 AM / 10:00 AM / 10:15 AM	Short Course: 09:00-10:30 AM Topic: Techniques for Improvec Accuracy in the Measurement of Gain and Spherical Near Field Patterns Presented by: Dr. Doren Hess & Dr. Don Bodnar, MI Technologies
10:30 AM / 10:45 AM	1030:-11:00 AM Break
11:00 AM / 11:15 AM / 11:30 AM / 11:45 AM / 12:00 PM	Short Course: 11:00 AM -12:30 PM Topic: Techniques for Improvec Accuracy in the Measurement of Gain and Spherical Near Field Patterns Presented by: Dr. Doren Hess & Dr. Don Bodnar, MI Technologies
12:15 PM / 12:30 PM / 12:45 PM / 1:00 PM / 1:15 PM	1230:-1:30 PM Lunch
1:30 PM / 1:45 PM / 2:00 PM / 2:15 PM / 2:30 PM / 2:45 PM	Short Course: 1:30-3:00 PM Topic: Techniques for Improvec Accuracy in the Measurement of Gain and Spherical NF Patterns Presented by: Dr. Doren Hess & Dr. Don Bodnar, MI Technologies
3:00 PM / 3:15 PM	3:00-3:30 PM Break
3:30 PM / 3:45 PM / 4:00 PM / 4:15 PM / 4:30 PM / 4:45 PM	Short Course: 3:30 - 5:00 PM Topic: Techniques for Improvec Accuracy in the Measurement of Gain and Spherical NF Patterns Presented by: Dr. Doren Hess & Dr. Don Bodnar, MI Technologies
5:00 PM / 5:15 PM / 5:30 PM / 5:45 PM	
6:00 PM / 6:16 PM / 6:30 PM / 6:46 PM / 7:00 PM / 7:15 PM	6:00-7:30 PM Welcome Reception Grand America Hotel Plaza Ballroom
7:30 PM / 7:45 PM / 8:00 PM / 9:00 PM / 10:00 PM / 10:30 PM	

Monday 2-Nov

Time	Monday
Registration	7:00 - 11:45 AM 2:00 - 6:00 PM
Exhibits	Exhibits Open 9:00 AM - 5:00 PM
	7:00-8:00 AM Breakfast - Patio Gardens
	Meeting Kickoff and Keynote Speaker 08:00-08:45 AM Chair: President Jeff Guerrieri
8:00 AM	President's Remarks/Intro Guest Speaker
8:15 AM / 8:30 AM	Michael E. Hinkey, vice president of engineering and manufacturing for the eastern region campuses of Northrop Grumman Electronic Systems sector Key Note Speaker 08:1: 8:45 AM
	Session 1: Specialized Antenna Measurements 8:45 — 9:45 AM Chair: Jeff Kemp, Georgia Tech Research Institute
8:45 AM	A09-0073, Numerical Calibration of Standard Gain Horns, Donald G. Bodnar (MI Technologies)
9:00 AM	A09-0064, Wireless Unpowered Temperature And Strain Sensing In A Running Jet Engine, Dr. Eric Walton and Yakup Bayram(The Ohio State University)
9:15 AM	A09-0094, Dual Polarised Corrugated Horns For Advanced Measurement Applications, Lars Foged, Andrea Giacomini, and Roberto Morbidini (SATIMO Italy)
9:30 AM	A09-0139, Electronically Scanned Arrays For Fast Testing of Large Antennas, Ludovic Durand, Lars Foged, and Luc Duchesne, (SATIMO Italy) and John Aubin and Per O. Iversen (ORBIT/FR, Inc.)
9:45 AM / 10:00 AM	09:45:-10:15 AM Break Exhibit Areas
	Session 2: Modeling and Measurement Topics 10:15-11:30 AM Chair .Don Bodnar, MI Technologies
10:15 AM	A09-0023, Near-Field Electromagnetic Holography In Conductive Media, Earl G. Williams (Naval Research Laboratory)
10:30 AM	A09-0111, Imaging By Near-Field Measurements, George G. Cheng, Jan Grzesik, and Yong Zhu (Allwave Corporation)
10:45 AM	A09-0069, An Accurate And Efficient Error Predictor Tool For CATR Measurements, Cecilia Cappellin and Stig Busk Sørensen (TICRA) Allan Ostergaard and Maurice Paquay (ESA/ESTEC)
11:00 AM	A09-0071, Accurate Radar Distance Measurements In Dispersive Circular Waveguides Considering Multimode Propagation Effects, Eckhard Denicke, Gunnar Armbrecht, and Ilona Rolfes (Institut für Hochfrequenztechnik und Funksysteme, Leibniz Universität Hannover)
11:15 AM	A09-0127, Modeling And Measurements On Multiple Antennas On A Platform, Jeff Kemp and Juan Santamaria (Georgia Tech Research Institute)
11:30 AM / 11:45 AM / 12:00 PM / 12:15 PM / 12:30 PM / 12:45 PM / 1:00 PM / 1:15 PM	11:30 AM -1:30 PM —Exhibitor Lunch—Exhibit Areas
	Session 3: Antenna Design Topics 1:30-2:30 PM Chair: Dr. Javier Marti-Canales (Joint ALMA Observatory)
1:30 PM	A09-0068, Design and Measurement Techniques For Circularly Polarized, Dual Fed, High Gain, Light Weight, Wide Band Conical Horn Antenna With Suppressed Sidelobes and High Performance Radome For Space Applications, Syed Azhar Hasan and A.K.M Shafaat Ali (Institute of Space Technology)
1:45 PM	A09-0076, Compact 11-Ellipse Inverted-Hat Antenna for UWB Operations, Jing Zhao, Shenario Ezhil Valavan A, Chi-Chih Chen, and John L. Volakis (The Ohio State University)
2:00 PM	A09-0115, Systematic Design Approach For Diversity Antenna Systems, Gil-Young Lee, Dimitris Psychoudakis, Chi-Chih Chen, and John L. Volakis (The Ohio State University)
2:15 PM	A09-0117, An Integrated UWB Dual Polarized Chamber Feed Design, Mustafa Kuloglu, Chi-Chih Chen (The Ohio State University), Mark Winebrand and John Aubin (ORBIT/FR INC.)
2:30 PM / 2:45 PM	2:30-3:00 PM Break Exhibit Areas
	Session 4: Measurement Facilities, 3:00-4:30 PM Chair: Lydell L. Frasch, The Boeing Company
3:00 PM	A09-0003, Building A Low Cost Radiosonde Radio Frequency Measurement Chamber, Joseph Friedel, Anton Rabovianski, and David Desrosiers (National Oceanic & Atmospheric Administration, National Weather Service)
3:15 PM	A09-0021, Accurate Radiation Pattern Measurements In A Time-Reversal Electromagnetic Chamber, Andrea Cozza (Département de Recherche en Electromagnétisme, SUPELEC), Abd el-Bassir Abou el-Aileh (Université Libanaise, Faculté de Génie I)
3:30 PM	A09-0047, Back Wall Design Trade-Offs In High Performance VHF/UHF Chambers, John Aubin, and Mark Winebrand (ORBIT/FR, Inc.)
3:45 PM	A09-0051, Test Zone Performance Enhancement In Anechoic Chambers Using Two-Level GTD Principles, Mark Winebrand, John Aubin (ORBIT/FR, Inc.) and Marcel Boumans (ORBIT/FR Europe-GmbH)
4:00 PM	A09-0052, Best-Fit Adjustments of The Reflectors In A Compact Range, Frank Jensen and Per Heighwood Nielsen (TICRA), Luca Salghetti Drioli, and Maurice Paquay (ESA/ESTEC)
4:15 PM	A09-0060, Globalstar II RX L-Band Antenna Spherical Near Field Measurement, Damiano Trenta (Thales Alenia Space Italy S.p.A.) and Diego Vicentini (Sofiter System Engineering S.p.A.)
4:30 PM / 4:45 PM / 5:00 PM	
5:30 PM / 6:00 PM / 7:00 PM / 7:15 PM / 7:30 PM / 7:45 PM / 8:00 PM / 9:00 PM / 9:30 PM / 10:00 PM	5:30–10:30 PM Monday Night Evening with the Dinosaurs

Tuesday 3-Nov

Time	Tuesday
Registration	7:00 - 11:30 AM 2:00 - 4:00 PM
Exhibits	Exhibits Open 9:00 AM - 5:00 PM
	7:00-8:00 AM Breakfast - Patio Gardens
	Session 5: Near Field Range Topics I 08:00-10:00 AM Chair: Daniel Janse van Rensburg, Nearfield Systems, Inc.
8:00 AM	A09-0022, A Novel Phaseless Spherical Near-Field Antenna Measurement Including The Issue of Robustness, Carsten Schmidt (University of California/Universität Stuttgart), Thomas Eibert (Technische Universität München), and Yahya Rahmat-Samii (University of California, Los Angeles)
8:15 AM	A09-0026, Reflection Suppression In Cylindrical Near-Field Antenna Measurement Systems - Cylindrical MARS, Stuart Gregson, Allen Newell, and Greg Hindman (Nearfield Systems, Inc.)
8:30 AM	A09-0029, Comparison of Test Zone Measurements Using Two Spherical Scanning Techniques, Randal Direen, Michael Francis, and Ronald Wittmann (National Institute of Standards And Technology)
8:45 AM	A09-0045, Single Antenna Method For Determining The Gain of Near-Field Waveguide Probes Russell J. Soerens (ORBIT/FR, Inc.)
9:00 AM	A09-0100, Random Noise In Spherical Near Field Systems, L. Foged, M. Faliero (SATIMO Italy) and P.O. Iversen (ORBIT/FR, Inc.)
9:15 AM	A09-0070, A Nonredundant NF-FF Transformation With Spherical Spiral Scanning Using A Flexible AUT Model, Francesco D'Agostino, F. Ferrara, C. Gennarelli, R. Guerriero (D.I.I.I.E. - University of Salerno), J.A. Fordham (MI Technologies), and C. Rizzo (MI Technologies [Europe])
9:30 AM	A09-0080, Antenna Diagnostics For Low And Medium Directivity Antennas Based On Equivalent Current Approach, M.A. Francovilla, J.L. Araque Quijano, G. Vecchi (Antenna and EMC Lab [LACE], Politecnico di Torino), A. Giacomini, and L. Foged (SATIMO Italy)
9:45 AM	A09-0081, The Effect of The Absorber Collar On Open Ended Waveguide Probes, Allen Newell (Nearfield Systems, Inc.)
10:00 AM / 10:15 AM	1000:-10:30 AM Break Exhibit Areas
	Session 6: Range/Measurement Uncertainty 10:30-11:30 AM Chair: Tracy H. Johnson, BAE Systems Electronics, Intelligence & Support
10:30 AM	A09-0119, Improving and Extending the MARS Technique to Reduce Scattering Errors, Greg Hindman& Allen Newell (Nearfield Systems, Inc.)
10:45 AM	A09-0065, Annual Update of the National Radar Cross Section Measurement Facilities Certification Program, Roger Davis (NAVAIR [RSBP, LLC])
11:00 AM	A09-0091, New Applications of Diagnostic Techniques in Antenna Measurements, Francisco Cano-Fácila, M. Sierra-Castañer, J. L. Besada (Technical University of Madrid [UPM], Technical School of Telecommunication Engineers [ETSIT])
11:15 AM	A09-0110, Error Analyses for Radio Source Measurements, Bob Dybdal (The Aerospace Corporation)
11:30 AM / 11:45 AM / 12:00 PM / 12:15 PM / 12:30 PM / 12:45 PM / 1:00 PM / 1:15 PM	11:30 AM - 1:30 PM¶ AMTA Business Lunch, Grandball Room
	Session 7: Phased Array Design/Measurements 1:30-3:00 PM Chair: Steve Brumley, Denmar Technical Services Inc.
1:30 PM	A09-0058, Fault Monitoring of Patch Antenna Array Using Neural Networks, Damera Vakula and Nvsn Sarma (National Institute of Technology)
1:45 PM	A09-0063, The Software Defined Antenna™ Programming And Testing The Prototype, Eric K. Walton, Claude Harton, Derek Reese (The Ohio State University) Eugene Lee, and Steve Gemeny (Syntonics LLC)
2:00 PM	A09-0078, TELA Testbed Time Delay Beam Steering Demonstration, Matthew Longbrake, John McCann, Jonathan Buck, Paul Watson, Peter Buxa, Robert Neidhard, Kyle Zeller, and Thomas Dalrymple (Air Force Research Laboratory [USAF]), Brian Garber, and Dave Kuhl (BerrieHill Research Corporation)
2:15 PM	A09-0098, An Evaluation of the Aperture Backprojection Technique Using Measurements Made on a Flat Plate Array with a Spherical Near-Field Arch, Doren Hess and Scott McBride (MI Technologies)
2:30 PM / 2:45 PM	A09-0145, FCC Certification Issues, Jeffrey E. Rummel, Esq. (Arent Fox PLLC), Jeffrey W. Kemp (Georgia Tech Research Institute), and Tracy H. Johnson (BAE Systems EI&S)
3:00 PM / 3:15 PM	3:00-3:30 PM Break Exhibit Areas
	Session 8 Antenna Measurement Topics — Special Session For Student Day 3:30 - 4:30 PM Chair: Dr. Eric Walton, The Ohio State University
3:30 PM	A09-0046, Some Considerations for the Measurement and Analysis of Circularly Polarized Antennas Using a Linearly Polarized Feed/Probe, Russell J. Soerens (ORBIT/FR, Inc.)
3:45 PM	A09-0059, High Performance Broadband Feeds For Economical RF Testing In Compact Ranges, Ralf Gehring, Jürgen Hartmann, Christian Hartwanger, Un-Pyo Hong, Enrico Reiche, Christian Hunscher (Astrium GmbH – Satellites)
4:00 PM	A09-0113, Wide Operating Range for a Circular Waveguide Probe In Spherical Near-Field Measurements, Xiong Wang and L. Wilson Pearson (Clemson University)
4:15 PM	A09-0120, Smart Antennas And Future Communication System, Muzaffar Ahmed (IQRA University)
4:30 PM / 4:45 PM	
5:00 PM / 5:15 PM / 5:30 PM / 6:00 PM / 6:30 PM / 7:00 PM / 8:00 PM	1:45 - 8 PM - Student Day 5:00 - 6:00 PM IEEE NF Working Group 5:15–8:00 PM Student Day Dinner - Patio Gardens: Al Members Welcome! 5:30 - 6:30 PM Exhibitors Meeting Grand Ballroom
9:00 PM / 10:00 PM	

Wednesday 4-Nov

Time	Wednesday
Registration	7:00 AM - 4:00 PM
Exhibits	Exhibits Open 9:00 AM - 5:00 PM
	7:00-8:00 AM Breakfast - Patio Gardens
	Session 9: General Antenna and RF Measurements 08:00-10:00 AM Chair Al Torres, Sierra Nevada Corporation
8:00 AM	A09-0001, Measurements of Power Handling of RF Absorber Materials: Creation of A Medium Power Absorber By Mechanical Means, Vince Rodriguez, Garth D'Abreu, and Kefeng Liu (ETS-Lindgren)
8:15 AM	A09-0105, Two Dimensional Scattering Analysis of Data-Linked Support Strings for Bistatic Measurement Systems, William Keichel, Michael Havrilla, Michael Saville, and Peter Collins (Air Force Institute of Technology [USAF])
8:30 AM	A09-0079, Accurate Infinite Groundplane Antenna Measurements, L.J. Foged, F. Mioc, B. Bencivenga (STAIMO Italy), M. Sabbadini (ESA/ESTEC), and E. Di Giampaolo (Universita' di Roma Tor Vergata)
8:45 AM	A09-0089, Interferometer Antenna Calibration By Centered Element Diagram Measurements, Håkan Eriksson (Saab Microwave System), Marcel Boumans (ORBIT/FR-Europe GmbH), Pernilla Löfgren, Jan Söderlund, Per Strömbäck (Saab Avitronics)
9:00 AM	A09-0086, Distributed RF Subsystems For Antenna Testing, Bert Schluper and David S. Fooshe (Nearfield Systems, Inc.)
9:15 AM	A09-0099,W-Band Antenna Gain Calibration In Extrapolation Range Using Time-Domain Gating, Michitaka Ameya, Masanobu Hirose, and Satoru Kurokawa (National Institute of Advanced Industrial Science and Technology (AIST))
9:30 AM	A09-0104, Effective 2D Generalised Plane Wave Synthesizers: Experimental Validation, A. Capozzoli, C. Curcio, G. D'Elia, G. Ianniello, A. Liseno, P. Vinetti (Università di Napoli Federico II)
9:45 AM	A09-0144, Characterization of Outdoor Range 2-3` Utilizing the NEC-Basic Scattering Code, David LeBlanc, Jacob Kim, Thomas Proctor, and William Skalenda (Raytheon Corporation)
10:00 AM / 10:15 AM	10:00-10:30 AM Break Exhibit Areas
	Session 10 Measurement Topics 10:30 AM - 12:00 PM Chair: Vince Rodriguez, ETS-Lindgren
10:30 AM	A09-0083, Radiation Pattern Measurements of NASA Mars Science Laboratory UHF Entry Antenna Using A Spherical Near-Field Range, Paula R. Brown (Jet Propulsion Laboratory, California Institute of Technology), David P. Farr (Haigh-Farr), John Demas and Jesus Aguilar (Nearfield Systems, Inc.)
10:45 AM	A09-0093,Determination of Complex Permittivity of Molded Interconnect Device Materials At Microwave Frequencies, Christian Orlob, Daniel Kornek, and Ilona Rolfes (Institut für Hochfrequenztechnik und Funksysteme, Leibniz Universität Hannover)
11:00 AM	A09-0085, 3-D Antenna Radiation Pattern Measurement System Using Ultra Light Phantom, Hiroyuki Arai (Yokohama National University), Toshiyasu Tanaka, and Yuki Shimizu (Microwave Factory Co., Ltd.)
11:15 AM	A09-0061, Millimeter Wave Antenna Measurement System, John Aubin, Chuck Arnold, and Stuart Asp (ORBIT/FR, Inc.)
11:30 AM	A09-0092, Analysis And Design of Serrated Compact Range Reflectors For MM-Wave Measurement Applications, Alfonso Muñoz-Acevedo, José Luis Besada, and Manuel Sierra-Castañer (Technical University of Madrid [UPM], Technical School of Telecommunication Engineers [ETSIT])
11:45 AM	A09-0123, Characterization of Two Flare-Shaped UWB Antennas Dedicated To The Search of Alive Buried Victims, P. Massaloux, F.Ducasse, P. Minvielle (CEA - CESTA), C.Labarthe, JP. Mutzig (MARTEC), JM. Denoual, and JM. Floch (IETR - INSA)
12:00 PM / 12:15 PM / 12:30 PM / 12:45 PM	12:00-1300 PM Lunch Patio Gardens
	Session 11: RCS Measurment Topics 1:00-3:00 PM Chair: Brian E. Fischer, General Dynamics Advanced Information Systems
1:00 PM	A09-0009, Characterization of Space Shuttle Ascent Debris Based on Radar Scattering and Ballistic Properties Part I – Development of the NASA Debris Radar Project and Facilities, Anthony D. Griffith Sr., Robert C. Scully (NASA Johnson Space Center), Brian M. Kent, Ph.D., Major Jeff Palumbo, Christopher G. Thomas (US Air Force [AFRL]), Martin H. Stuble, and P. Michael Hardman (US Navy [Atlantic Test Range])
1:15 PM	A09-0024,Nonlinear Calibration of Polarimetric Radar Cross Section Systems, Lorant Muth (National Institute of Standards And Technology)
1:30 PM	A09-0025, Generalization of The Circular And Linear Near Field-to-Far Field RCS Transformations To Off-Waterline Collection Geometries, Ivan LaHaie (General Dynamics Advanced Information Systems)
1:45 PM	A09-0066, A Practical Polarization Calibration For Systems With High Polarization Isolation, Tai Kim, Kenneth Vaccaro (Naval Air Warfare, Weapons Divison), and Dean Mensa (Jacobs Sverdrup Naval Systems Group)
2:00 PM	A09-0072, Application of DFT-Windows In RCS Measurements, Pax Wei (Retired) (The Boeing Company)
2:15 PM	A09-0082, Method of Suppression of Not Cooperative Interferences During Measurements of RCS, Renaud Cariou (DGA/CELAR)
2:30 PM	A09-0087,Technique To Remove Cable Ringing From Short Range RCS Measurements, Paul J. De Groot (The Boeing Company - Phantom Works)
2:45 PM	A09-0134,Dynamic RCS Signature Measurements of Moving Targets In Clutter, Ali Moghaddar, R. Jerry Jost, and Robert C. Reynolds (STAR Dynamics Corporation)
3:00 PM / 3:15 PM	3:00-3:30 PM Break Exhibit Areas
	Session 12: RFID/EMC Measurements 3:30-4:30 PM Chair: Teh-Hong Lee, The Ohio State University
3:30 PM	A09-0055, Potential Interference Issues Between FCC Part 15 Compliant Emitters And Immunity Compliant Equipment, Jeff Guerrieri, Dan Kuester, and David Novotny (National Institute of Standards And Technology)
3:45 PM	A09-0002, RFID Testing In Anechoic Chambers: Design of A Chamber For ISO TR 18047-6 Testing of UHF RFID, Vince Rodriguez (ETS-Lindgren)
4:00 PM	A09-0121, Outdoor Electromagnetic Interference Measurements In Industrial Environments, Carl Karlsson, Per Ängskog, Javier Ferrer Coll, José Chilo, (University of Gävle), and Peter Stenumgaard (University of Gävle/Swedish Defence Research Agency)
4:15 PM	A09-0067, Radiation Pattern Measurement of Passive UHF RFID Tags, Leena Ukkonen and Lauri Sydänheimo (Tampere University of Technology)
4:30 PM / 4:45 PM / 5:00 PM / 5:15 PM / 5:30 PM / 5:45 PM	
6:00 PM / 6:16 PM / 6:30 PM / 6:46 PM	6:00–7:00 PM Pre-Banquet Reception Patio Gardens
7:00 PM / 7:15 PM / 7:30 PM / 7:45 PM / 8:00 PM / 9:00 PM / 10:00 PM	7:00–10:00 PM Banquet Reception Grand Ballroom

Thursday 5-Nov

Time	Thursday	Time
Registration	7:00 AM - 4:00 PM	
Exhibits	Exhibitor Tear Down 8:00 AM -5:00 PM	
	7:00-8:00 AM Breakfast - Patio Gardens	
	Session 13: Near Field Range Topics II 08:00-09:45 AM Chair: Peter J. Collins, Air Force Institute of Technology (USAF)	
8:00 AM	A09-0090, Improvement of the Signal to Noise in Spherical Near Field Antenna Measurement Through Mode Truncation And Spatial Filtering, Sara Burgos, Francisco Cano, José Luis Besada-Sanmartín, and Manuel Sierra-Castañer (Technical University of Madrid [Universidad Politécnica de Madrid, UPM])	8:00 AM
8:15 AM	A09-0129, Spherical Near-Field Antenna Measurements With Theta Scanning With Reduced Number of Phi Steps, Sergey Pivnenko (Technical University of Denmark) and Tommi Laitinen (Helsinki University of Technology)	8:15 AM
8:30 AM	A09-0138, Phaseless Planar Spiral Near-Field Measurements For Circularly Polarized Antennas, Farhad Razavi and Yahya Rahmat-Samii (Univeristy of California, Los Angeles)	8:30 AM
8:45 AM	A09-0130, Dielectric Probes, Compact Near-Field And Advanced Near-Field Far-Field Techniques, A. Capozzoli, C. Curcio, G. D'Elia, A. Liseno, P. Vinetti (Università di Napoli Federico II), M. Ameya, M. Hirose, S. Kurokawa, and K. Komiyama National Metrology Institute of Japan [NMIJ])	8:45 AM
9:00 AM	A09-0106, An Innovative Alignment System In Near-Field Measurements, A. Capozzoli, C. Curcio, G. D'Elia, A. Liseno, P. Vinetti (University of Naples Federico II), and G. Strazzullo (Foxbit s.r.l.)	9:00 AM
9:15 AM	A09-0137, Rapid Linear Spiral Planar Near-Field Measurements for Millimeter-Wave Antennas, Timothy Brockett, and Yahya Rahmat-Samii (University of California, Los Angeles)	9:15 AM
9:30 AM	A09-0088, Implementation of Extrapolation And Planar Near-Field Antenna Measurement System For W-Band Antennas, No-Weon KANG, Jin-Seob KANG, Tae-Weon KANG and Jeong-Hwan KIM (Korea Research Institute of Standards and Science)	9:30 AM
9:45 AM / 10:00 AM	9:45-10:15 AM Break	9:45 AM / 10:00 AM
	Session 14: PCS, Cellular, Automotive Applications/Measurements 10:15 AM - 11:30 AM Chair: Paul Kolesnikoff, Ball Aerospace and Technologies Corporation	10:15 AM
10:15 AM	A09-0084, A Quick Measurements of Commercially Available WiFi And WiMax Antennas, Dr. Al Torres and Chad Shaffer (Sierra Nevada Corporation)	10:30 AM
10:30 AM	A09-0126, A Novel Spherical Scanner System For Wireless Telematics Measurements, Carl W. Sirles, Beau J. Hart, John C. Mantovani, and James D. Huff (The Howland Company, Inc.)	10:45 AM
10:45 AM	A09-0097, MIMO Over-the-Air Testing of Wireless Units In Reverberation Chamber, Charlie Orlenius and Mats Andersson (Bluetest AB)	11:00 AM
11:00 AM	A09-0109, Measured Multiuser MIMO Capacity in Aircraft Channels, James R. Nagel, Alyssa Magleby, and Cynthia M. Furse (University of Utah)	11:15 AM
11:15 AM	A09-0125, Broadband Gain Standards For Wireless Measurements, James D. Huff and Carl W. Sirles (The Howland Company, Inc.)	11:30 AM
11:30 AM / 11:45 AM / 12:00 PM / 12:15 PM / 12:30 PM / 12:45 PM	11:30-1300 PM Lunch Patio Gardens	11:45 AM / 12:00 PM / 12:15 PM / 12:30 PM / 12:45 PM
	Session 15 EM Algorithms and Data Processing/Numeric Methods & Range Instrumentation 1:00-2:15 PM Chair: Chair: Zachary L Newbold, L-3 Communications	1:00 PM
1:00 PM	A09-0008, Characterization of Space Shuttle Ascent Debris Based on Radar Scattering and Ballistic Properties Part II – Ascent Debris Analysis and Tool Development, Brian M. Kent, Ph.D., Major Jeff Palumbo, Christopher G. Thomas (US Air Force [AFRL]), Anthony D. Griffith Sr., Joseph A. Hamilton, Matthew L. Schottel (NASA Johnson Space Center), Martin H. Stuble, P. Michael Hardman (US Navy [Atlantic Test Range]), Jonathan W. Benson, Ph.D., and B.R. Trenhaile, Ph.D. (SAIC)	1:15 PM
1:15 PM	A09-0030, Nearly-Orthogonal Hierarchical Vector Basis Functions Employed for the Discretization of Inverse Equivalent Surface Currents, Ismatullah Ismatullah and Thomas F. Eibert (Lehrstuhl für Hochfrequenztechnik, Technische Universität München)	1:30 PM
1:30 PM	A09-0050, Modeling Techniques Used To Analyze Safety of Generic Missile Type Weapons Systems During An Indirect Lighting Strike, Michael P. Perkins, Mike M. Ong, Charles Brown Jr. (Lawrence Livermore National Laboratory), and Eric W. Crull (Formerly of Lawrence Livermore National Laboratory)	1:45 PM
1:45 PM	A09-0101, Portable RF Target Simulator, David Wayne, Andrew Schlegel, Steve Nichols, Don Bodnar, Doren Hess, George Cawthon, Anil Tellakula (MI Technologies), Jeff Skinner, Trung Dam, Bill Myles (Dynetics) and Harvey Gratt (AMRDEC, NTA Inc.)	2:00 PM
2:00 PM	A09-0143, Agilent's New Microwave Receiver Reduces Antenna/RCS Measurement Times And Improves Economic Competitiveness, John Swanstrom, Say Phommakesone, Jim Puri, Niels Jensen, Johan Ericsson, Alice Hughes, and Sean Hubert (Agilent Technologies)	2:15 PM
2:15 PM / 2:30 PM	2:15:-2:45 PM Break	2:30 PM / 2:45 PM
	Session 16: RCS Measurements & Range Instrumentation 2:45 - 3:45 PM Chair: Ivan J. LaHaie, General Dynamics Advanced Information Systems	3:00 PM
2:45 PM	A09-0102, Noise Radar Correlation Patterns of Human And Non-Human Objects At Various Look Angles, Ashley Schmitt, Andrew Terzuoli, Peter Collins, and Steven Rogers (Air Force Institute of Technology [USAF])	3:15 PM
3:00 PM	A09-0103, Practical Illumination Uncertainty Assessment In Ground-Based Radar Measurements, Brian Fischer, Gary Dester, (General Dynamics Advanced Information Systems), Timothy Conn, and 1st Lt Richard W. Hanberg II (National RCS Test Facility, 46th Test Group)	3:30 PM
3:15 PM	A09-0112, Blind And Semi-Blind Motion Compensation For Stepped-Chirp Dynamic RCS Measurements, Louis Sheffield (STAR Dynamics Corporation)	3:45 PM
3:30 PM	A09-0075, Identifying Pointing Errors for the NIST 18 Term Error Technique, Zachary Newbold (L-3 Communications), Allen Newell, and Bruce Williams (Nearfield Systems, Inc.)	4:00 PM
3:45 PM	Technical Coordinators Closing Remarks/Meeting Adjourn/See You In Atlanta!	4:15 PM
4:00 PM / 4:30 PM / 5:00 PM / 5:45 PM		4:30 PM / 4:45 PM / 5:00 PM / 5:15 PM / 5:30 PM / 5:45 PM
6:00 PM / 7:00 PM / 8:00 PM / 9:00 PM	6:00–10:00 PM Thursday Night Mormon Tabernacle Choir Practice & Dinner at Squatter's	6:00 PM / 6:16 PM / 6:30 PM / 6:46 PM / 7:00 PM / 7:15 PM / 7:30 PM / 7:45 PM / 8:00 PM / 9:00 PM
10:00 PM / 10:30 PM		10:00 PM / 10:30 PM

Friday 6-Nov

Friday
9:45 AM–3:45 PM Technical Tour L-3 Communications CS—West