NDE OF AEROSPACE MATERIALS AND STRUCTURES IV, ST. LOUIS, MO

	Tuesday May 13, 2014
	Preliminary Program – Subject to change – January 27, 2014
9:30 am	**Digital Image Correlation Techniques for Aerospace Applications** T. Chu, A. Poudel, S. Li; Southern Illinois University
10:00 am	**Accurate Area and Distance Measurements from Neutron Beam Computed Tomography (NBCT)** K. Chui, Image Enhancement Technology; S. Zhang, Rutherford Appleton Laboratory UK; E. Lehmann, A. Kaestner, Paul Scherrer Institut PSI Switzerland; S. Chui, University Hospital of NBC Canada; D. Stanfield; A. Wride, Image Enhancement Technology
10:30 am	**Integrated Frequency Selective Surfaces (Metamaterials) for Structural Health Monitoring** E. Kinzel, K. Donnell, K. Chandrashekhara, H. Sahu, D. Pieper; Missouri University of Science & Technology
11:00 am	**Top 3 Ways to Drive Operational Efficiency with Automated NDE** D. Lucaci, Industrial Inspection Systems
11:30 am-12:30 pm - Lunch on your own	

	Tuesday May 13, 2014
12:30 pm	**Analytical and Numerical Prediction of Energy Flux Deviation Due to Nonlinear Elastic Effects** A. Nair, University of Arkansas; R. Kriz, Virginia Tech; W. Prosser, NASA
1:00 pm	**Detection of Second Layer Fatigue Cracks Around Ferrous Fasteners in Lap Joints of a P-3 Orion** C. Stott, R. Underhill, V. Babbar, T. Krause; Royal Military College of Canada
2:30 pm	**Progression of Neutron Radiographic Inspections within the US Army** S. Zuber, US Army RDECOM ARDEC
3:00 pm	**Aging Aircraft NDT** R. Davis, L-3 Integrated Systems
3:00-3:30 pm – BREAK	

	Tuesday May 13, 2014
3:30 pm	**Application of Flash Thermography in Automotive Carbon Fiber Composites** H. Zhao, D. Houston, P. Blanchard; Ford Motor Company
4:00 pm	**Near and Far-Field Thermography for In-Service NDE** S. Shepard, Thermal Wave Imaging, Inc.
4:30 pm	**The Resonance Renaissance - Resurgence of Resonance Inspection Coupled with Advanced Automatic Scanning Platforms** J. Skramstad, NDT Solutions, Inc.; D. Moore, Sandia National Laboratories
5:00-7:00 pm – WELCOME RECEPTION & EXHIBITS	

	Wednesday May 14, 2014
8:30 am	**A Comparison of Acoustography with Other NDE Methods for F.O. Inclusion Detection in Carbon Epoxy Laminates** A. Poudel, S. Li, T. Chu, Southern Illinois University; J. Singh Sandu, Santec Systems, Inc.; C. Pergantis, US Army Research Laboratory
9:00 am	**Ultrasound Camera for In-Service Inspection of Solid Laminate Composites** B. Lasser, D. Rich, J. Kula, O. Mallaug; Imperium, Inc.
9:30 am	**Harness the Full Potential of Your NDE Data** D. Lucaci, Industrial Inspection Systems
10:00 am	**Comparison of Phased-Array Probes and Inspection Strategies for Complex Composite Parts** D. Hopkins, BERCLI Corporation; M. Brassard, Techno Diffusion NDT Systems
10:30 an	**Novel Local Damage Detection with Improved Restoring Force Method** D. Li, Dalian University of Technology
11:00-1:00 pm – Lunch Break in Exhibit Hall	

	Wednesday May 14, 2014
1:00 pm	**A Nondestructive Evaluation Technique for Large Polymer Composite Structures Made of Electrically Non-Conductive Fibers and Carbon Nanotube Networks** A. Naghashpour, S. Van Hoa; Concordia University
1:30 pm	**Fast High Resolution Algorithms for Nondestructive Evaluation Computed Tomography** T. Holmes, S. Larkin, Lickenbrock Technologies LLC; D. Wickham, US Air Force
2:00 pm	**New EC Flaw Detector for Aerospace Components Inspection** V. Uchanin, Ukrainian Scientific Research Institute; A. Opanasenko, G. Lutsenko, A. Dzhaganian, UltraconService LLC
2:30 pm	**Development of Pit Growth Predictive Model In Air-Frame Alloy Based on Non-Linear Ultrasonic Parameter** S. Palit Sagar, N. Das, I. Chattoraj; CSIRNational Metallurgical Laboratory
3:00-3:30 pm – BREAK	

	Wednesday May 14, 2014
3:30 pm	**HW AND SW Developments and Solutions for Obtaining a Non-Destructive Inspection Process Automated, Integrated and Industrial** E. Cuevas, TECHNATOM
4:00 pm	**Application of Active Microwave Thermography to Inspection of Carbon Fiber Reinforced Composites** M. Ghasr, A. Foudazi, K. Donnell; Missouri University of Science & Technology
4:30 pm	**Development of a new NDE for Composites: FTIR Spectroscopy** F, Prulliere, Agilent Technologies
5:00 pm END OF PROGRAM	