Register now for Metrology Solutions for Aerospace Applications Workshop

Wichita, KS, January 27, 2013 – The Reverse Engineering Lab, part of Wichita State University’s National Institute for Aviation Research, will co-host a Metrology Solutions for Aerospace Applications Workshop on Feb. 19 from 9 a.m. to 4 p.m. at the National Center for Aviation Training. Registration is available online at www.hexmet.us/niar.

Hexagon Solutions, which provides equipment and support for the Reverse Engineering Lab, will present the workshop and showcase equipment to demonstrate how metrology solutions can help streamline production and increase throughput.

Topics that will be covered include:
• Seam validation
• Fastener flushness
• Use of model based definition for rapid completion of FAIs
• Setting details with ease
• Eliminating line of sight concerns
• Reverse engineering and scanning of difficult materials
• In-process management

They keynote speaker will be Jim Arness, a senior engineer from Lockheed Martin. Jim won the prestigious NOVA award last year for conceptualizing and developing a process using white-light photogrammetric technology to create a three-dimensional overlay of as-built images of assembled F-35 aircraft for comparison to nominal engineering models.

Registration begins at 8:30 a.m. Complimentary breakfast and lunch will be provided.

The Reverse Engineering Lab creates 3D models from physical parts and products, allowing engineers to reverse-engineer parts, make design modifications and produce prototypes all under one roof.

NIAR supports the aviation industry by providing research, development, testing, certification and training services. Its laboratories include Advanced Coatings, Aging Aircraft, CAD/CAM, Composites & Advanced Materials, Computational Mechanics, Crash Dynamics, Environmental Test, Full-Scale Structural Test, Mechanical Test, Metrology, Nondestructive Test, Research Machine Shop, Virtual Reality and the Walter H. Beech Wind Tunnel. NIAR operates on a nonprofit budget and is the largest university aviation R&D institution in the U.S., located in Wichita, Kan., the “Air Capital of the World.” www.niar.wichita.edu

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