

AGENDA - 2022 Airlines for America Nondestructive Forum

AT A GLANCE:

Time	Tuesday	Wednesday	Thursday	Friday
AM	MPIG		MPIG	MPIG
	AISC-SHM	Joint Session	AISC-SHM	
	Committee K	Exhibit Hall	Exhibit Hall	Exhibit Hall
Lunch			SAE/A4A Innovation Award	
			NDT Forum	NDT Forum
PM	MPIG	Joint Session	Joint Session	
	AISC-SHM	Exhibit Hall	Exhibit Hall	
	NDT Network	Tour		
		IVHM - SG		
		Hospitality Suites	Hospitality Suites	

MPIG = Maintenance Programs Industry Group (A4A)

AISC-SHM = SAE Aerospace Industry Steering Group for Structural Health Monitoring

Committee K = SAE AMS K Meeting - Nondestructive Methods and Processes Committee

NDT Network = A4A's Nondestructive Testing Network

Joint Session = A4A NDT Forum/A4A MPIG/SAE AISC-SHM Joint Forum Session

IVHM-SG = SAE Integrated Vehicle Health Management Steering Group

DETAILED PROGRAM:

Tuesday - September 27, 2022

8:00am		SAE AMS K Meeting - Nondestructive Methods and Processes Committee	Regency DE
8:00am		<i>MPIG Meeting</i>	Live Oak
8:00am		<i>AISC-SHM Meeting</i>	Pecan
12:00pm		<i>REGISTRATION</i>	Foyer Regency DE
3:00pm		NDT Network Meeting	Directors
5:00pm-11:00pm		<i>EXHIBIT HALL SETUP</i>	Regency DE

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Wednesday - September 28, 2022

7:00am		REGISTRATION	Foyer Regency DE
7:00am		EXHIBIT HALL OPENS	Regency DE
7:00am-8:00am		WELCOME BREAKFAST – Sponsored by Eddify Technologies	Regency DE – Exhibit Hall
8:00am		MPIG Meeting (break out room available as needed)	Live Oak
8:00am		AISC-SHM Meeting (break out room available as needed)	Pecan
8:00am		2022 NDT FORUM OPENING SESSION <i>Alex Melton, A4A NDT Network Chair, Delta Airlines</i>	Regency FGH
8:10am		Roll Call Introductions (Moderated by NDT Network (Melton), MPIG (Berger), AISC-SHM Chair (Piotrowski), FAA (Hoyng))	
8:30am		Welcome Keynote – Jay Fisher, Southwest Research Institute (SwRI)	
9:20am		Panel Discussion - How MSG3 meets NDT & SHM - An overview of the origin of SSI to SDI creation w/interface to the NDT manual extended to SHM innovation. Manny Gdalevitch (Aeronovo, MPIG Member), Alexander Melton (Delta, NDT Network Chair), David Piotrowski (Delta, AISC-SHM Chair)	
10:00am		REFRESHMENT BREAK – Exhibit Hall Sponsored by Techna NDT	Regency DE – Exhibit Hall
10:45am		In-Service Structural Health Monitoring (SHM) Applications Walt Jarecki, Boeing	Regency FGH
11:10am		Developments to Facilitate Routine Use of SHM on Commercial Aircraft Dennis Roach, Trevor Lynch-Staunton, Structural Monitoring Systems	
11:30am		SHM detection capability demonstration - Airbus progress and perspectives Nicolas Dominguez, Airbus	
12:00pm		LUNCH – Co-Sponsored by Southwest Airlines and United	Garden Terrace
1:00pm		Dessert and Coffee – Sponsored by JetBlue	Regency DE – Exhibit Hall
1:20pm		Real-Time Condition-based Maintenance for adaptive Aircraft Maintenance planning (ReMAP) Bruno Santos, Dimitrios Zarouchas, Delft University Theodoros Loutas, University of Patras	Regency FGH

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1:45pm		Panel Discussion - Guidance (AHM, SHM, MPIG, FAA) Overview IP180, Regulatory guidance, SAE ARPs and ACM / AHM use cases Moderated by Kevin Berger, A4A Marcus Labay (FAA), Jeff Miller (Boeing), Ravi Rajamani (SAE), Rhonda Walthall (SAE)	
2:30pm		Southwest Research Institute (SwRI) Tour (Bus transportation to / from SwRI)	Off Site
2:30pm		REFRESHMENT BREAK – Exhibit Hall Sponsored by Alaska Airlines	Regency DE – Exhibit Hall
2:30pm		IVHM Steering Group Meeting (closed) Ravi Rajamani, Chair	Pecan
5:30pm		Return from Southwest Research Institute (SwRI) Tour	
6:00pm		HOSPITALITY SUITES OPEN	Various

Thursday – September 29, 2022

7:00am		REGISTRATION	Foyer Regency DE
7:00am		EXHIBIT HALL OPENS	Regency DE
7:00am		CONTINENTAL BREAKFAST – Sponsored by Vibrant NDT	Regency DE
8:00am		MPIG Meeting	Live Oak
8:00am		AISC-SHM Meeting	Pecan
8:00am		2022 NDT FORUM DAY TWO <i>Alex Melton, A4A NDT Network Chair, Delta Airlines</i>	Regency FGH
8:00am		Panel Discussion - Operator Round Table of Challenging Issues Moderated by Justin Madden, A4A Alex Melton, Delta David Dyer, JetBlue Marc Firestone, FedEx Dorsey Perkins, Southwest Jason Meade, United	
8:45am		Airbus NTM - Latest improvements and next challenges Alfredo Rodriguez, Nicolas Simonot, Airbus	

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9:10am		United 777-222 Return to Service Ryan Mather, United	
9:35am		Improved Eddy Current and FPI by Canyon Run Engineering David Stone, Gary Ward, Canyon Run Engineering	
10:00am		REFRESHMENT BREAK – Exhibit Hall Sponsored by FedEx	Regency DE – Exhibit Hall
10:45am		Enhanced Flaw Recognition and Layer Identification for Eddy Current Bolt Hole Inspections Nicholas Cardillo, Eddyfi Technologies	Regency FGH
11:10am		Novel Resonance Inspection of Commercial Aircraft Wheels Brian Spencer, Brian Skinner, Andy Birch, Scott Whittle, Steve Campbell, Collins Lem Hunter, Dominic Cisneros, Vibrant David Piotrowski, Delta	
11:35am		SAE/NDT Innovation Award Presentation	
12:00pm		Lunch – Sponsored by Delta TechOps	Garden Terrace
1:00pm		Dessert and Coffee – Exhibit Hall Sponsored by SAE	Regency DE – Exhibit Hall
1:20pm		Drone Project and Automated Visual Inspection at Airbus Nicolas Dominguez, Airbus	Regency FGH
1:45pm		Eddy Current Array for Corrosion Inspection James Bittner, Evident (Olympus)	
2:10pm		Performance – Probability of Detection (PoD) vs Reliability Tim Kinsella, Dassault Falcon Jet	
2:35pm		FAA SHM Research Program Danielle Stephens, FAA Tech Center Paul Swindell, Diakon Solutions	
3:00pm		REFRESHMENT BREAK – Exhibit Hall Sponsored by FedEx	Regency DE – Exhibit Hall
3:40pm		SHM system/kit for in-flight aircraft usage (PZT) Amrita Kumar, Susheel Yadav, Franklin Li, Grant Chang, Acellent David Piotrowski, Delta Matsukado Daisuke, Arakawa Hidekazu, Marubeni	Regency FGH

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4:05pm		Status on Boeing's Implementation of CVM and PZT sensors on the 737NG Aft Pressure Bulkhead Zeb Tidwell, Boeing Walt Jarecki, Boeing Jeong-Beom Ihn, Boeing	
4:30pm		Damage Detection Systems Qualification and the Advancement for Fixed Wing Aircraft Maintenance Procedures Fernando Dotta, Ricardo P. Rulli, Embraer	
4:55pm		Detection Sensitivity Analysis of a Novel Fatigue Crack Gauge Comparing a Traditional MIL-HDBK-1823A Probability of Detection Assessment with Alternative Statistical Models Seth S. Kessler, Metis Design Corp. William Q. Meeker, Iowa State Univ. Christine M. Schubert Kabban, Air Force Institute of Technology	
5:20pm		Discrete SHM of strength losses due to composite structure damages Marie-Anne De Smet & Charles Bracoud, DFinder SAS	
6:00pm		HOSPITALITY SUITES OPEN	Various

Friday – September 30, 2022

7:00am		REGISTRATION	Foyer Regency DE
7:00am		EXHIBIT HALL OPENS	Regency DE – Exhibit Hall
7:00am		CONTINENTAL BREAKFAST- Sponsored by Boeing	Regency DE – Exhibit Hall
8:00am		MPIG Meeting	Live Oak
8:00am		2022 NDT FORUM DAY THREE NDT Network Chair's Report <i>Alex Melton, A4A NDT Network Chair, Delta Airlines</i>	Regency FGH
8:10am		SAE Committee K Report	
8:20am		JAL Experience - 787 1st D-Check and NDI Use Cases Junya Matsuda, JAL	
8:45am		United Airlines 787 Composite Damage and Repair Operational Experience Sam Tucker, United	
9:10am		Intermodal TFM with Applications to joint inspection of similar and dissimilar materials (metal-composite) Renato Nogueira, Philippe Rioux, Sonatest	

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9:35am		Titanium Fastener Validity in OEM LFEC Inspection Results Russell Vernon, Viasat	
10:00am		REFRESHMENT BREAK – Exhibit Hall Sponsored by SAE	Regency DE – Exhibit Hall
10:40am		Advancements in Eddy Current Scanning of Materials: AM, Carbon Fiber, and Graphene John Hansen, Ether NDE Flynn Spears, AlbanNDE	Regency FGH
11:05am		NDT of additive manufactured parts Paul Swindell, FAA	
11:30am		Future of Interactive Inspection Procedures Andreas Karpunin, Airbus	
11:55am		Supporting NDT in Field Activities during Post-Pandemic Era Bernardo Ordonez, Testia	
12:00pm		EXHIBIT HALL CLOSES	Regency DE
12:20pm		Remote Controlled Aircraft Inspection Device for Line- and Base Maintenance Applications Dr. Christian Dürager, IMITec GmbH	Regency FGH
12:45pm		Wrap Up & Grand Prize Drawing Sponsored by VT San Antonio	Regency FGH

Back-up presentations, if needed to substitute:

Trent Family NDT Inspections, an Airline/MRO Perspective
Michael Hall, Delta
Alex Melton, Delta

A look at the Future NDT Inspector – Training, AI, & More
David Piotrowski, Delta