

NDT 22

SHM ■ MPIG
NONDESTRUCTIVE
TESTING 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			NDT Forum	NDT Forum
			SAE/A4A Innovation Award	
PM	MPIG	Joint Session	Joint Session	
	AISC-SHM	Exhibit Hall	Exhibit Hall	
	NDT Network	Tour		
		IVHM - SG		
		Hospitality Suites	Hospitality Suites	

Key

- 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	MPIG Meeting	Live Oak
8:00am	AISC-SHM Meeting	Pecan
12:00pm	REGISTRATION	Foyer Regency DE
3:00pm	NDT Network Meeting	Directors
4:00pm-11:00pm	EXHIBIT HALL SETUP	Regency DE

AGENDA - 2022 Airlines for America Nondestructive Forum

JOIN THE CONVERSATION



Would you like to ask a question during a session?
During the A4A NDT Forum, moderators can take questions via Slido on your smartphone.

1. Open **slido.com** in your browser.
2. Type in **NDT** to the event code box.
3. Submit your question.

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 Alex Melton, A4A NDT Network Chair, Delta Air Lines	Regency FGH
8:10am		Roll Call Introductions - Moderated by NDT Network (Melton), MPIG (Berger), AISC-SHM Chair (Piotrowski), FAA (Hoyng)	
8:30am		Bob Ireland (A4A) - Introduction and Welcome of Keynote - Mr. 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, production practices and potential SHM innovation Moderated by Kevin Berger (A4A) Manny Gdalevitch (Aeronovo, MPIG Member) Alexander Melton (Delta, NDT Network Chair) David Piotrowski (Delta, AISC-SHM Chair)	
10:10am		REFRESHMENT BREAK – Exhibit Hall Sponsored by Techna NDT	Regency DE – Exhibit Hall
10:45am		In-Service Structural Health Monitoring (SHM) Applications Presenter: Walt Jarecki (Boeing)	Regency FGH
11:10am		Developments to Facilitate Routine Use of SHM on Commercial Aircraft Presenters: Dennis Roach, Trevor Lynch-Staunton (Structural Monitoring Systems)	



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11:30am		SHM detection capability demonstration - Airbus progress and perspectives Presenter: 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		Panel Discussion - Guidance (AHM, SHM, MPIG, SAE, FAA) Overview IP180, Regulatory guidance, SAE ARPs and ACM / AHM use cases Moderated by Kevin Berger (A4A) Jeff Miller (Boeing / MPIG) Ravi Rajamani (SAE) Marcus Labay (FAA) Rhonda Walthall (Collins / SAE) David Piotrowski (AISC-SHM)	
2:20pm		REFRESHMENT BREAK – Exhibit Hall Sponsored by Alaska Airlines	Regency DE – Exhibit Hall
2:30pm		Southwest Research Institute (SwRI) Tour (Bus transportation to / from SwRI) Bus leaves at 2:30	Off Site
2:30pm		IVHM Steering Group Meeting (closed) Ravi Rajamani (SAE, 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 Alex Melton, A4A NDT Network Chair, Delta Air Lines	Regency FGH

AGENDA - 2022 Airlines for America Nondestructive Forum

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 Presenters: Nicolas Simonot, Alfredo Rodriguez (Airbus)	
9:10am		United 777-222 Return to Service Presenter: Ryan Mather (United)	
9:35am		Improved Eddy Current and FPI by Canyon Run Engineering Presenter: David Stone (Canyon Run Engineering) 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 Presenter: Nicholas Cardillo (Eddyfi Technologies)	Regency FGH
11:10am		Novel Resonance Inspection of Commercial Aircraft Wheels Presenter: Brian Skinner (Collins) David Piotrowski (Delta), Brian Spencer, Andy Birch, Scott Whittle, Steve Campbell (Collins), Lem Hunter, Dominic Cisneros (Vibrant)	
11:35am		SAE/NDT Innovation Award Presentation Bob Ireland (A4A)	
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 Presenter: Nicolas Dominguez (Airbus)	Regency FGH
1:45pm		Eddy Current Array for Corrosion Inspection Presenter: James Bittner, (Evident/Olympus)	
2:10pm		Performance – Probability of Detection (PoD) vs Reliability Presenter: Tim Kinsella (Dassault Falcon Jet)	
2:35pm		FAA SHM Research Program Presenter: Danielle Stephens (FAA Tech Center) Paul Swindell (Diakon Solutions)	

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3:00pm		REFRESHMENT BREAK – Exhibit Hall Sponsored by FedEx	Regency DE – Exhibit Hall
3:40pm		SHM system/kit for in-flight aircraft usage (PZT) Presenter: Grant Chang (Acellent) Amrita Kumar, Susheel Yadav, Franklin Li (Acellent), David Piotrowski (Delta), Matsukado Daisuke, Arakawa Hidekazu (Marubeni)	Regency FGH
4:05pm		Status on Boeing’s Implementation of CVM and PZT sensors on the 737NG Aft Pressure Bulkhead Presenter: 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 Presenter: Fernando Dotta (Embraer) 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 Presenter: Seth S. Kessler (Metis Design Corp.) Christine M. Schubert Kabban (Air Force Institute of Technology)	
5:20pm		Discrete SHM of strength losses due to composite structure damages Presenters: 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 Alex Melton, A4A NDT Network Chair, Delta Air Lines	Regency FGH
8:10am		SAE Committee K Report	

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8:20am	JAL Experience - 787 1st D-Check and NDI Use Cases Presenter: Junya Matsuda (JAL)	
8:45am	United Airlines 787 Composite Damage and Repair Operational Experience Presenter: Sam Tucker (United)	
9:10am	Intermodal TFM with Applications to joint inspection of similar and dissimilar materials (metal-composite) Presenter: Renato Nogueira (Sonatest) Philippe Rioux (Sonatest)	
9:35am	Titanium Fastener Validity in OEM LFEC Inspection Results Presenter: 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 Presenter: John Hansen (Ether NDE) Flynn Spears (AlbanNDE)	Regency FGH
11:05am	NDT of additive manufactured parts Presenter: Paul Swindell (Diakon Solutions)	
11:30am	Future of Interactive Inspection Procedures Presenter: Andreas Karpunin (Airbus)	
11:55am	Supporting NDT in Field Activities during Post- Pandemic Era Presenter: Bernardo Ordonez (Testia)	
12:00pm	EXHIBIT HALL CLOSES	Regency DE
12:20pm	Remote Controlled Aircraft Inspection Device for Line- and Base Maintenance Applications Presenter: Dr. Christian Dürager (IMITec)	Regency FGH
12:45pm	Wrap Up & Grand Prize Drawing Sponsored by VT San Antonio	Regency FGH