

Acoustics Technical Working Group Urban Air Mobility Meeting, October 16-18, 2018

Start	Tuesday, October 16 - Acoustics Technical Working Group	Presenter(s)	Length
8:00 AM	Welcome		00:20
8:20 AM	Aeroacoustics at Lockheed Martin Aeronautics Company	Tony Pilon, LMCO	01:00
9:20 AM	Application of Rapid Distortion Theory to the Prediction of Integrated Propulsion System Noise	Stewart Leib, OAI	00:20
9:40 AM	Applying Machine Learning to Jet Noise Prediction	Jonny Dowdall, Michigan State Univ. Lauren McIntyre, NASA	00:20
10:00 AM	Discussion Break		00:30
10:30 AM	DART Test Plans	Devin Boyle, NASA	00:20
10:50 AM	DART Core/Combustor-Noise ITP Transfer Function	Devin Boyle, NASA	00:20
11:10 AM	DART Correlations for ANOPP	Lennart Hultgren, NASA	00:20
11:30 AM	Lunch and Discussion		01:30
1:00 PM	NRA Status: Acoustics of Future Low-Emissions Combustor Technology (Year Two Review)	Duane McCormick, UTRC	01:00
2:00 PM	Supersonic Inlet Propagation Assessment	David Stephens, NASA Christopher Miller, NASA	00:20
2:20 PM	9x15 Tunnel Improvement Update & Plans	David Stephens, NASA	00:20
2:40 PM	TWG Feedback		00:10
2:50 PM	Adjourn		00:10
3:00 PM	<i>Networking Period</i>		00:20
3:20 PM	<i>Networking Period</i>		00:20
3:40 PM	<i>Networking Period</i>		00:20
6:00 PM	No-Host Dinner @ Berea Depot, 30 Depot St., Berea, OH	https://www.BereaDepot.com/	

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Start	Wednesday, October 17 - Acoustics Technical Working Group	Presenter(s)	Length
8:00 AM	Welcome		00:20
8:20 AM	PowerFLOW fan noise prediction: from the SDT fan stage to a UHBPR engine (NRA Review)	Ignacio Gonzalez-Martino, 3DS/Exa Damiano Casalino, 3DS/Exa & TU-Delft	00:30
8:50 AM	Quiet Fans for Human Spaceflight	Chris Allen, NASA	00:30
9:20 AM	High Lift Common Research Model test & G3 Airframe Noise flight test	David Lockard, NASA	00:30
9:50 AM	Discussion Break		00:30
10:20 AM	Overview of 737MAX Flight Test and Liner Research	Mike Jones, NASA Jackie Wong, Boeing Eric Nesbitt, Boeing	00:40
11:00 AM	Active Liner Concepts for NASA N+3 Aircraft (NRA Review)	Jordan Kreitzman, Boeing	00:20
11:20 AM	Initial Developments of a Low-Drag, Variable-Depth Acoustic Liner	Noah Schiller, NASA	00:20
11:40 AM	Lunch and Discussion		01:30
1:10 PM	Receiver-based Auralization of Broadband Aircraft Flyover Noise	Steve Rizzi, NASA	00:20
1:30 PM	Auralization of an Unmanned Aerial Vehicle under Propeller Phase Control	Kyle Pascioni, NASA	00:20
1:50 PM	Tonal Noise Control using Phased Rotors	Noah Schiller, NASA	00:20
2:10 PM	Discussion Break		00:30
2:40 PM	Progress on ANOPP2's Blade Element Acoustic Tool (ABEAT)	Len Lopes, NASA	00:20
3:00 PM	Challenges and Progress in Broadband Noise Prediction for Small Scale Rotors	Nicole Pettingill, NASA	00:20
3:20 PM	Electric Motor Noise Testing	Jordan Cluts, NASA	00:10
3:30 PM	Recent Advancements in LAVA for Jet, Rotor Blade and Fan Noise Predictions	Cetin Kiris, NASA	00:30
4:00 PM	TWG Feedback		00:10
4:10 PM	Adjourn		

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<i>Thursday, October 18 - Urban Air Mobility Noise Working Group</i>			
	<i>Please see the separate Agenda for the UAMNWG meeting</i>		