

Annual Aviation Emissions Characterization (AEC) Research Roadmap Meeting

22 – 24 May 2018

Physical location: National Academy of Sciences

2101 Constitution Avenue NW, Room 120; Washington, DC

Teleconference Line:

North America: 877-336-1280

International: 404-443-6393

ACCESS CODE: 8384117#

Virtual connection:

<https://www.connectmeeting.att.com>

Meeting #: 8773361280

ACCESS CODE: 8384117

FINAL AGENDA

<u>Date</u>	<u>Time</u>	<u>Topic</u>
May 22, 2018	13:00 - 13:15 pm	Welcome, Introduction and Agenda
	13:15 – 13:45 pm	FAA Emissions Research Overview
	13:45 – 14:45 pm	Canada Emissions Research Overview
	14:45 – 15:00 pm	Break
	15:00 – 16:00 pm	NASA Emissions Research Overview
	16:00 – 17:00 pm	Impacts of Supersonic Transport: Past and Future
May 23, 2018	08:30 - 09:30 am	Quantifying Uncertainties
	09:30 – 10:30 am	Regional and Global Pollutants Transport
	10:30 – 10:45 am	Break
	10:45 – 11:45 am	Alternative/Renewable Jet Fuel Topics
	11:45 - 12:45 pm	Lunch
	12:15 - 12:45 pm*	Airport Air Quality Dispersion Analysis – A Case Study
	12:45 – 13:45 pm	Jet Fuel Emissions
	13:45 – 14:45 pm	Contrail Avoidance
	14:45 – 15:00 pm	Break
	15:00 – 16:00 pm	Commercial Rocket Emissions
	16:00 – 17:00 pm	Airport Air Quality Assessment
May 24, 2018	08:30 - 09:30 am	Supersonic Transport
	09:30 – 10:30 am	Emission Measurements (ND-MAX/ECLIF2)
	10:30 – 10:45 am	Break
	10:45 – 11:45 am	Monitoring Ultrafine Particles (UFP) and Source Attribution
	11:45 - 12:05 pm	Measuring Supersonic Exhaust: Issues and Approaches
	12:05 – 12:30 pm	Discussion and Closing Remarks

* --- OPTIONAL SESSION

AGENDA and SPEAKERS

Time	Topic	Moderator (FAA)	Speakers		
Day-1: TUE-22-MAY					
13:00 - 13:15 pm	Welcome, Introduction and Agenda	Jeetendra Upadhyay	Joe Navarrete (NAS)		
13:15 – 13:45 pm	FAA Emissions Research Overview	Jim Hileman/Ralph Iovinelli			
13:45 – 14:45 pm	Canada Emissions Research Overview		Wendy Bailey (TCCA)		
14:45 – 15:00 pm	Break				
15:00 – 16:00 pm	NASA Emissions Research Overview		Barbara Esker (NASA)		
16:00 – 17:00 pm	Impacts of Supersonic Transport: Past & Future		Don Wuebbles (UIUC)		
Day 2: WED-23-MAY					
08:30 – 09:30 am	Uncertainties Quantification (UQ)	Jeetendra Upadhyay	Greg Smallwood (NRC)	Scott Herndon (Aerodyne)	Sebastian Eastham (MIT)
09:30 - 10:30 am	Regional & Global Pollutants Transport	Jeetendra Upadhyay	Kelly Chance (Smithsonian Astrophysical Observatory)	Sebastian Eastham (MIT)	
10:30 – 10:45 am	Break				
10:45 – 11:45 am	Alternative/Renewable Jet Fuel Topics	Warren Gillette	Ray Speth (MIT)	Philip Soucacos (BAH)	William Roquemore (AFRL)
11:45 - 12:45 pm	Lunch				
12:15 - 12:45 pm*	Airport Air Quality Dispersion Analysis – A Case Study	Mohammed Majeed	George Noel (Volpe)	Justin Godin (KBE)	
12:45 – 13:45 pm	Jet Fuel Emissions	Warren Gillette	Nathan Brown (FAA)	Cecilia Shaw (FAA)	Nikita Pavlenko (ICCT)
13:45 – 14:45 pm	Contrail Avoidance	Rangasayi Halthore	Banavar Sridhar (NASA)	Dave Duda (NASA)	Anthony Brown (NRC)
14:45 – 15:00 pm	Break				
15:00 – 16:00 pm	Commercial Rocket Emissions	Rangasayi Halthore	Rick Miake-Lye (Aerodyne)	Jim Snoddy (NASA)	
16:00 – 17:00 pm	Airport Air Quality Assessment	Mohammed Majeed	Kevin Lane (BU)	Sarav Arunachalam(UNC)	Ezra Wood (Drexel Univ.)
Day 3: THR-24-MAY					
08:30 - 09:30 am	Supersonic Transport	Rangasayi Halthore	Jon Seidel (NASA)	Holger Pfaender/Dan Delaurentis (GT-PU)	Raymond Russell (Boom)
09:30 – 10:30 am	Emission Measurements (ND-MAX/ECLIF2)	Daniel Jacob	Bruce Anderson (NASA)	Phil Whitefield (MST)	Greg Smallwood (NRC)
10:30 – 10:45 am	Break				
10:45 – 11:45 am	Monitoring UFP & Source Attribution	Daniel Jacob	Kevin Lane (BU)	David Miller (EDF)	Rick Miake-Lye (Aerodyne)
11:45 - 12:05 pm	Measuring Supersonic Exhaust: Issues and Approaches		Rick Miake-Lye (Aerodyne)		
12:05 - 12:30 pm	Discussion and Closing Remarks	Ralph Iovinelli			
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