

THURSDAY, OCTOBER 20, 2022 - AFTERNOON

	CABIN/FLIGHT DECK FIRE PROTECTION III		CARGO COMPARTMENT FIRE PROTECTION III	CRASH DYNAMICS III Large Scale Crash Data
	Chair: Tim Marker		Chair: Dhaval Dadia	Chair:
1:30-2:00 PM	PED/Lithium Batteries Fire Risk in the Passenger Cabin/Flight Deck Enzo Canari European Union Aviation Safety Agency (EASA)		Instrumentation and analytical methods for MPS Testing - Use of Impingers to collect acid gas samples Nels Olson Boeing	A Comparative Analysis of Airframe Results Between Sub-Scale and Full-Scale Tests of Fokker F28 Aircraft Hardware Justin Littell National Aeronautics and Space Administration (NASA)
2:00-2:30 PM	Trip Database and PED Fires in the Cabin David Wroth Underwriters Laboratories Inc.		Validation of a Simulation Tool for an Environmentally Friendly Aircraft Cargo Fire Protection System Dr. Ing Victor Norrefeldt Fraunhofer Institut fur Bauphysik (IBP)	Crashworthiness by Analysis: Vertical Drop Test and Simulation of a Challenger 601 Metallic Fuselage Section Gerardo Olivares, L. Gomez, R. Huculak, V. Robinson National Institute for Aviation Research (NIAR)
2:30-3:00 PM	Toxic Hazards of Hand Extinguishants used on Lithium Battery Fires in Flight Decks Louise Speitel, Natallia Safronava, Tim Marker Federal Aviation Administration (FAA) Technical Center		Agent effectiveness vs. Lithium Battery Gases Dr. Thomas Maloney Federal Aviation Administration (FAA) Technical Center	A Comparative Analysis of Occupant Response Between Sub-Scale and Full-Scale Tests of Fokker F28 Aircraft Hardware Jacob Putnam National Aeronautics and Space Administration (NASA)
3:00-3:30 PM	BREAK	BREAK	BREAK	BREAK
3:30-4:00 PM	Cabin Battery Max Allowable Watt-Hour Matthew Karp Federal Aviation Administration (FAA) Technical Center		Lightweight CFRP Nitrogen Vessels J.B. Philipp Diehl	Photogrammetric Techniques Utilized during Sub-scale and Full-scale Testing of Fokker F28 Aircraft Hardware Nathaniel W. Gardner National Aeronautics and Space Administration (NASA)
4:00-4:30 PM	Thermal Runaway and Fire Propagation of On-board Li-ion Batteries: A Really Controlled Risk? Antoine Orth & Cristophe Montillet DGA Aeronautical Systems & DGAC/STAC - French Aviation Authority		A Fresh look at Fire Test Safety Greg Roberts Northrup Grumann	Full-Scale Crash Testing of Cargo Containers Experimental Characterization for Transport Airplane Crash Applications Mathias Waimer German Aerospace Center (DLR)
4:30-5:00 PM	Inflight Fire AC Development DK Deaderick Federal Aviation Administration (FAA)		Autoignition Study of Disinfectants in Cargo – Draft Test Plan Lindsey Anaya Federal Aviation Administration (FAA) Technical Center	Air India Express Accident David Gerlach Federal Aviation Administration (FAA)

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