5th Annual H2-Aero Symposium at the AIAA Aviation Forum in San Diego from June 9-10th

H2-Aero

aviation.aiaa.org

H2-Aero.org

Sponsors

GENERAL ATOMICS AERONAUTICAL

NORTHROP GRUMMAN

RTX

COLLINS AEROSPACE
PRATT & WHITNEY
RAYTHEON

LOCKHEED MARTIN

Ansys
part of SYNOPSYS

nTop

H_2-Aero Symposium & SAE AE-5H Face-to-Face Meeting at AIAA Aviation Forum

in collaboration with the AIAA Sustainability Group

5th Annual H2-Aero at the AIAA Aviation Forum & SAE AE-5H June 9-11, 2026, San Diego, CA

	Day 2- Tues Jun 9- Room: Mission Beach A/B	Day 3 - Wed Jun 10- Room: Mission Beach A/B	Day 4 - Wed Jun 11
0900-0930	*Networking Break*	*Networking Break*	***SAE AE-5H HYDROGEN AIRPORT COMMITTEE F2F MEETING (Free-in Manchester Grand Hyatt Outside AIAA)***
	H2-Aero-01 / Plenary, Jesse Schneider, H2-Aero Chair	***H2-Aero-04 / SUST-08, Marko Bacic, Rolls-Royce PLC***	**SAE Introductions-Jesse Schneider**
0930-0950	**H2-Aero Mission: Decarbonize Aviation & Airports (Whitepaper)** Jesse Schneider, CEO, ZEV Station (H2-Aero Symposium Chair)	**How & when might cryogenics win for aviation** Hervé Morvin, Chief of Future Platforms, Rolls Royce	**SAE AE-5H Face-to-Face LH2/GH2 Coupling Workshop**
0950-1010	**Fuel Cell Powertrains & Liquid Hydrogen Fueling** Val Miftakhov, CEO, ZeroAvia	**Analysis of Alternative Energy Carriers for Aviation** Dominic L Barone, Manager Alternative Energy Tech.	**SAE AIR8547: LH2 Fueling Fueling Performance Safety**
1010-1030	**Hydrogen Business Jet using GH2 Infrastructure** Eloa Guillotin, CEO, Beyond Aero	**Cryogenic Fuel Aviation - Challenges and Opportunities** Vadim F Lvovich,H2 Aircraft Technology Lead, NASA	- HAZID: Safety Guidance-LH2 Fueling, Nodes 1-3
1030-1050	**UK CAA H2-Aerospace Roadmap: Helen Leadbetter** Zero Emissions Flight Lead	**Aircraft H2 System Cryogenic Aspects - From Tank to Consumer** Thierry Sibilli, H2 Fuel System Lead at Airbus	- HAZID: Safety Guidance Liquid Hydrogen Storage (Linda Brussaard EASA)
1050-1110	**EASA H2-Aerospace Roadmap: Dr. Linda Brussaard** Hydrogen Technologies & New Electrical Systems Expert	**Rolls-Royce's H2 Technology Demonstrator Shaping the Future of Sustainable, Zero Emission Aviation** J Newman, Zero Emissions Manager, Rolls Royce	Fueling & Safety Considerations LH2 Tank Node 4 Wrap Up LH2 SAE AIR8547 HAZID
1110-1130	**The path to Hydrogen-Aviation Certification** H2-Aero Panel, Moderated by Jesse Schneider ZEV Station	**Hydrogen's Flight Path: Market Realities: Embraer's Roadmap & strategy to enable zero-emission flight** Vinicius Di Nucci, Head of Zero Emissions - EMBRAER	**Safety & Interoperability to SAE AIR8999 LH2 Fueling**
1130 - 1300	*Lunch Break*	*Lunch Break*	*Lunch Break*
	H2-Aero-02 / SUST-05, Harry Smith, Flexcompute	***H2-Aero-05 / SUST-10, Hervé Morvan, RR & Dominic Barone, Boeing***	***SAE AIR8547: LH2 Aircraft Fueling Safety & Performance***
1300-1320	**A Learning-Based Approach to Stakeholder Decision-Making in Transition Toward Net-Zero Aviation** Ilias Baali, Georgia Institute of Technology	**Design Optimization of Long-Haul Blended Wing Aircraft with Conformal Cryogenic Hydrogen Storage** Prateek Ranjan, MIT Dept. of Aeronautics	Coupling: SAE AIR8999 Overview, Status- (Andrew Bookhold-JOBY, Zuhir Mir)
1320-1340	**Evaluating Stakeholder Economics in Zero-Impact Aviation: Cost Modeling Under Divergent Scenarios** Noa Hanna Levy,Georgia Institute of Technology	**H2 stands for Hard 2-phase flows: Physics lessons for multiphase hydrogen systems** Jacob W Leachman, Professor, HYPER Center Director Washington State University	**LH2 Couplings Technology Overview**
1340-1400	**Commercial aircraft life cycle resource, and capital economic estimation using a common scenario** Elias Waddington, University of Illinois	**On hydrogen gas turbines for civil aerospace - Fuel and Control System perspective** Marko Bacic, Engineering Fellow, Rolls-Royce	2026 Performance Simulation & Testing Effort (Albert Gil Esmendia, UCI) 100kg (Small Aircraft) & 2000kg (Regional)
1400-1420	**Development of an airline simulation platform, SkyChess facilitates airline CO2 emissions tracking** Paul Clark, City University London	**Hydrogen Hybrid Power Architectures for Aviation Sustainable Systems** Rohit Gupta, Research Scientist at Center for Sustainable Aviation, University of Illinois	LH2 Fueling & Coupling Status (Paul Lange Lufthansa Technik)
1420-1440	**Proposed Infrastructure for the Production and Supply of Aircraft With Green Hydrogen** Marcus Vinicius VB Bernardes Ferreira, Universidade Federal Uberlândia	**Multi-fuel combustion - enabling the transition to hydrogen in aviation.** Simon Evans, Mng. of Adv. Concepts, Pratt & Whitney	2 Phase Limitation Considerations- (Jacob Leachman WSU)
1440-1500	**Reusable Rockets and Sustainability: Integrating Hybrid Recovery Systems for Greener Launch Future** VR Sanal Kumar, Indian Space Research Organisation	**Hydrogen Aircraft LH2 to Propulsion-Development needs** H2-Aero Panel, Moderated by Dominic Barone, Boeing	**SAE AIR8833: Gaseous Hydrogen Fueling (Irwin, Julien Beyond Aero)**
1500 - 1530	*Afternoon Break*	*Afternoon Break*	*Afternoon Break*
	H2-Aero-03 / Monterey Garndiner, NLR	***H2-Aero-06 / Jesse Schneider, H2-Aero Chair***	***SAE AE-5H***
1530-1550	**Enabling the Cryogenic Airliner: A Commercialization Roadmap** Romar Frazier, Head of Propulsion & Karmel Graham, Sust. Strategy JetZero	**Liquid Hydrogen Fueling Coupling for Land/Air/ Sea** Gerhard Kopplin, Technical Director, Manntek	Gaseous Hydrogen Gaps Analysis
1550-1610	**Aviation Hydrogen Fuel Cell Powerplants** Dr. Anita Sengupta, CEO, Hydroplane	**Hydrogen Airport Standardization with SAE & EUROCAE** Jesse Schneider, CEO/CTO ZEV Station (Chair SAE AE-5H)	GH2 Simulation/ Quotation
1610-1630	**H2 VTOL Gyroplane Drone** Gad Shaanan, CEO, Unmanned Aerospace	**Advances in Carbon Fiber LH2 Storage** Paul Gloyer, President, Gloyer-Taylor Laboratories (GTL)	GH2 Simulation Roadmap to Standardization
1630-1650	**NLR Hydrogen Test & Validation Facilities** Dr. Monterey Gardiner, Chief Engineer, National Lab of the Rockies	**LH2 Aircraft Fueling Development** Archie West, LH2 Management Systems Engineer, ZeroAvia	**SAE AE-5H To Do Assignments**
1650-1710	**Hydrogen Aircraft Development Challenges** H2-Aero Panel, Moderated by Monterey Gardiner (NLR)	**LH2 Simulation & Validation in conjunction with SAE AIR8546** Dr. Albert Gil Esmendia, National FC Research Center, UC Irvine	**SAE AE-5H Meeting End**
1710-1730		**Aircraft LH2 Storage to Airport Fueling Needs** H2-Aero Panel,Moderated by Jesse Schneider (ZEV Station)	SAE AE-5H Meeting Information: Meg.OKeefe@sae.org

H_2-Aero Conference Room: Mission Beach A/B

H2-Aero Symposium coordinated in conjunction with the AIAA Sustainability Committee

SAE AE-5H Committee Coordinated together with SAE International