Vertical Flight Society
4th Annual H2-Aero Symposium
Long Beach, California

Tues., April 1

SAE AE-5CH

Free to join! Contact Meg O'Keefe (SAE):

Meg.OKeefe@sae.org

SAE International Hydrogen Airport Committee Meeting

(9:30 am - 5 pm)

Starting Topics:
Required Safety Levels Aerospace and Infrastructure, HAZID Deep Dive.

Liquid Hydrogen Couplings & Fueling Develop Minimum Specifications:
- Refueling Spec
- Coupling Safety
- Performance
- Communications
- IP Discussion
-Validation Testing
- Future Standards

- Wrap Up SAE

H2-Aero Symposium **Welcome Reception**
Sponsor:
-M4 Engineering-Advanced Prototyping & Test Center of Excellence
5:30 - 7:30

Wed., April 2

7:30 - 8:00	*Registration Open / Coffee*
8:00 - 9:30	**Session 1: H2-Aero Vision & Executive Keynotes** **Moderator: Mike Hirschberg, Vertical Flight Society**
8:00 - 8:10	**VFS Welcome** Mike Hirschberg, VFS Director of Strategy
8:10 - 8:20	**H2-Aero: Decarbonizing Aviation & Airports** Jesse Schneider, CEO, ZEV Station (H2-Aero Symposium Chair)
8:20 - 8:45	**Progress Towards Commercialization** Dr. Val Miftakhov, CEO, ZeroAvia
8:45 - 9:15	**Unither Bioelectronics** (Platinum sponsor) Dr. Martine Rothblatt, CEO, United Therapeutics
9:15 - 9:30	**15-Minute Panel Discussion**
9:30 - 10:15	*Networking Break / Coffee*
10:15 - 11:45	**Session 2: Roadmap to H2-Aero Certification** **Moderator: Dr. Catalin Fotache, FAA**
	This session will discuss perspectives from regulators on hydrogen for aviation
10:15 - 10:35	**FAA: Dr. Catalin Fotache** Chief Scientist & Technical Advisor for Propulsion Systems, FAA AIR-20
10:35 - 11:00	**EASA: Colin Hancock** Dept Head, Policy, Innovation & Knowledge, EASA Certification Directorate
11:00 - 11:20	**UK CAA: Helen Leadbetter** Zero Emissions Flight Lead
11:20 - 11:45	**25-Minute Panel Discussion**
11:45 - 1:00	*Networking Lunch*
1:00 - 2:20	**Session 3: H2-Aero Technologies** **Moderator: Andreas Bodén, PowerCell**
	This session will discuss enabling technologies for hydrogen aviation technologies
1:00 - 1:20	**H2 Fuel Cell Innovations** Andreas Bodén, CTO, PowerCell (Gold sponsor)
1:20 - 1:40	**H2 FCs at Honeywell: from 100W to Megawatts** Christopher Gilmore, Corporate FC Strategy, Honeywell
1:40 - 2:00	**LH2 Storage** (Gold sponsor) Paul Gloyer, President, Gloyer-Taylor Laboratories (GTL)
2:00 - 2:20	**20-Minute Panel Discussion**
2:20 - 3:00	*Networking Break / Coffee*
3:00 - 4:45	**Session 4: H2-Aero Applications** **Moderator: Dr. Anita Sengupta, Hydroplane**
	This session will discuss some of the key aviation applications and innovations for hydrogen
3:00 - 3:20	**Aviation Hydrogen Fuel Cell Powerplants** Dr. Anita Sengupta, CEO, Hydroplane
3:20 - 3:40	**H2 VTOL Gyroplane Drone** Gad Shaanan, CEO, Unmanned Aerospace
3:40 - 4:00	**SKIRON-XLE: 7-Hour H2eVTOL Drone** Charlie Aguilar, Power System Lead, Aurora Flight Sciences
4:00 - 4:20	**Reticular Material Solid-State H2 Storage Systems for Long Duration Flights** Dr. Neel Sirosh, CTO, H2MOF
4:20 - 4:40	**20-Minute Panel Discussion**
4:40 - 4:50	**Wrap-Up Day 1** (Jesse Schneider)
5:00 - 6:30	*H2-Aero Symposium* *Networking Reception*

Thurs., April 3

7:30 - 8:00	*Registration Open / Coffee*
8:00 - 9:30	**Session 5: H2-Aero Executive Keynotes** **Moderator: Jesse Schneider, ZEV Station**
8:00 - 8:10	**Welcome to Day 2** Jesse Schneider, CEO/CTO, ZEV Station (H2-Aero Chair)
8:10 - 8:40	**Hydrogen Flight: Accomplishments & Future** Prof. Dr-Ing. Josef Kallo, CTO, H2FLY (Platinum sponsor)
8:40 - 9:00	**Hydrogen for NEOM, Saudi Arabia** Arnab Chatterjee, Managing Dir for H2/FC, NEOM
9:00 - 9:20	**H2 Rotorcraft Challenges** John Piasecki, CEO, Piasecki Aircraft Corp. (Platinum sponsor)
9:20 - 9:45	**25-Minute Panel Discussion**
9:45 - 10:15	*Networking Break / Coffee*
10:15 - 11:45	**Session 6: Hydrogen Aerospace Safety & Standards** **Moderator: Rich King, SAE International**
	Progress in standards and regulations development to support H2-Aero applications
10:15 - 10:35	**Hydrogen Standards for Aerospace** Rich King, SAE International (Gold sponsor)
10:35 - 11:00	**SAE Hydrogen Airport Committee: Enabling H2 Fueling of Aircraft** Jesse Schneider, Chair of SAE AE-5H Committee
11:00 - 11:20	**Hydrogen Aircraft Safety: Jet Fuel vs. Hydrogen** Jason Damazo, Boeing
11:20 - 11:45	**25-Minute Panel Discussion**
11:45 - 1:00	*Networking Lunch*
1:00 - 2:30	**Session 7: Hydrogen Studies & Testing for LH2** **Moderator: Dr. Monterey Gardiner, NREL**
	Hydrogen fueling infrastructure state of the art (ground & air) and challenges
1:00 - 1:20	**NREL & Aviation: Synthetic Fuels / Hydrogen Fueling** Dr. Monterey Gardiner, NREL
1:20 - 1:40	**CONOPS for Battery & H2 Powered Aircraft** Dr Alejandro Block Novelo, IATA, Manager, New Technologies
1:40 - 2:00	**NASA LH2 Studies and Advanced Aircraft Testing** Vadim F. Lvovich, Ph.D., NASA H2 Aircraft Technology Lead
2:00 - 2:20	**20-Minute Panel Discussion**
2:20 - 3:00	*Networking Break / Coffee*
3:00 - 4:30	**Session 8: Hydrogen Airports & Demonstrations** **Moderator: Dr. Jack Brouwer, Clean Energy Institute, UCI**
	This session covers plans and progress for developing hydrogen for airports in California
3:00 - 3:20	**Feasibility Study Green H2 Infrastructure at LAX** Sajjad Rezaei, National Fuel Cell Research Center, UC Irvine
3:20 - 3:40	**Hydrogen Aviation for eVTOL** (sponsor) Ryan Naru, Aviation Policy Lead Joby Aviation
3:40 - 4:00	**Blended-Wing Body Airplane Tradeoffs: H2 vs. Jet Fuel** Ryan Kerr, Fuel Systems Engineer, JetZero
4:00 - 4:20	**KLM Systainable Aviation, Hydrogen Initiatives** Jos Buitenhuis, PM, Zero Emission Aviation
4:20 - 4:40	**20-Minute Panel Discussion**
4:40-5:00	**Potential Areas of Collaboration, Wrap-Up for 2026 *H2-Aero Symposium*** (Jesse Schneider)

Click to register: www.vtol.org/h2symposium

Click to book your hotel room: Long Beach Hilton, 701 W Ocean Blvd, Long Beach, CA 90831