

2nd Annual VFS H2-Aero Symposium Final Agenda

Day 1 - Tue., March 28	
7:30 - 8:30	Registration Open / Coffee
8:30 - 10:00	Session 1: Vision & Keynotes Chair: Mike Hirschberg, VFS
8:30 - 8:40	Welcome: Mike Hirschberg, VFS Executive Director
8:40 - 9:10	Keynote: H2-Aero Multimodal H2 Airport Hub Whitepaper Jesse Schneider, CEO, ZEV Station (H2-Aero Chair)
9:10 - 9:40	Keynote Speaker Jason Heron, Clean Fuels, Airbus Americas
9:40 - 10:00	Panel
10:00 - 10:30	Networking Break / Coffee
10:30 - 12:00	Session 2: Hydrogen in Government Chair: Keith Malone, Hydrogen Fuel Cell Partnership (HFCP) <i>This session discusses efforts in the US government to support hydrogen aviation applications in the US</i>
10:30 - 11:00	National Renewal Energy Lab (NREL), Dept. of Energy Elizabeth Collins, Research Engineer
11:00 - 11:30	NASA Aeronautics Research Mission Directorate canceled
11:30 - 11:50	US Air Force Initiatives in Hydrogen Lt Col Mike Dunn, North Spark Defense Laboratory
11:50 - 12:00	Government Panel
12:00 - 1:00	Networking Lunch
1:00 - 2:30	Session 3: Associations Chair: Dr. Anubhav Datta, University of Maryland <i>This session will discuss lessons learned in deploying hydrogen solutions in mobility</i>
1:00 - 1:30	Hydrogen Fuel Cell Partnership (HFCP) Keith Malone, Government Relations
1:30 - 2:00	Fuel Cell & Hydrogen Energy Association (FCHEA) Connor Dolan, VP External Affairs
2:00 - 2:30	Hydrogen Association Panel
2:30 - 3:00	Networking Break / Coffee
3:00 - 5:00	Session 4: H2-Aero Applications Chair: Dr. Anita Sengupta, Hydroplane <i>This session will discuss some of the key aviation applications and innovations for hydrogen</i>
3:00 - 3:30	Fuel Cell Innovations (exhibitor) Dr. Alex Ivanenko, GM Rotorcraft/New Segments, ZeroAvia
3:30 - 3:50	H2 eVTOL Challenges (sponsor) Dr. Ilya Khanykov, CEO, Bartini Aero
3:50 - 4:20	H2 Airplane Challenges Dr. Anita Sengupta, CEO, Hydroplane
4:20 - 4:40	Model-Based Certification of H2-Aero Technologies Roberto Licata, Dassault Systèmes
4:40 - 5:00	Panel H2 Aero

Day 2 - Wed., March 29	
7:30 - 8:30	Registration Open / Coffee
8:30 - 10:00	Session 5: H2-Aero Executive Keynotes Chair: Jesse Schneider, ZEV Station
8:30 - 9:00	Keynote Speaker Chris Gilmore, Head of Advanced Concepts, Universal Hydrogen
9:00 - 9:30	Keynote Speaker (sponsor) John Piasecki, CEO, Piasecki Aircraft Corp.
9:30 - 10:00	Panel
10:00 - 10:30	Networking Break / Coffee
10:30 - 12:00	Session 6: Standardization: Aircraft & Airports Chair: Griffin Valentich, Shell <i>This session will discuss progress in standards development to support H2-Aero applications</i>
10:30 - 11:00	Hydrogen Standards for Aerospace (sponsor) David Franks, Aero Standards Specialist, SAE International
11:00 - 11:30	UK H2 Sandbox - Pre-Standards Work Helen Leadbetter, UK Civil Aviation Authority (CAA)
11:30 - 11:50	FAA's Hydrogen Infrastructure Efforts Jonathan Torres, FAA Airports, Emerging Entrants Division
11:50 - 12:00	Standardization Panel
12:00 - 1:00	Networking Lunch
1:00 - 2:30	Session 7: Hydrogen Infrastructure Chair: Monterey Gardiner, H2 Advisor <i>This session will discuss hydrogen fueling infrastructure state of the art (ground & air) and challenges</i>
1:00 - 1:30	Ground Vehicle H2 Fueling Tom Mourmouras, Shell
1:30 - 2:00	Project NAPKIN Mark Kelk, Cranfield Aerospace Solutions Ltd
2:00 - 2:30	Hydrogen Infrastructure Panel
2:30 - 3:00	Networking Break / Coffee
3:00 - 5:00	Session 8: R&D Chair: Joe Rainville, Bell <i>This session covers progress and challenges of developing hydrogen aircraft and supporting infrastructure</i>
3:00 - 3:30	Challenges of Propelling VTOL with Hydrogen Fuel Cell Joe Rainville, Bell
3:30 - 4:00	University H2 Research Needs Dr. Anubhav Datta, University of Maryland
4:00 - 4:30	BALIS DLR Test Environment: FC Aerospace Propulsion Gernot Hacker, AVL List GmbH
4:30 - 5:00	Wrap-Up H2-Aero Symposium / Intro SAE H2 Airport Jesse Schneider, ZEV Station
5:00 - 6:30	Networking Reception (All)

Day 3 - Thu., March 30	
0830 - 1000	Tour of Shell H2 facilities
VFS has scheduled a tour of the nearby HD Shell Hydrogen Fueling Facilities at the port of Long Beach beginning at 8:30 am. There is no charge to attend for workshop participants but transportation is on your own.	
1000 - 1500	SAE AE-5CH Hydrogen Airport Committee (all are welcome) Link: https://www.sae.org/standards/content/air8466/
10:00 - 10:15	Welcome and Introductions
10:15 - 10:30	Minutes
10:30 - 12:00	Overview of Hydrogen Airport Taskgroup AE-5CH, SAE AIR 8466 H2 Fueling of Aircraft, in both gaseous and liquid form Overview (Jesse), Safety, Fueling, Distribution, Coupling (Monterey) Hydrogen Fueling Simulation Workshop (NREL Kazunori Nagasawa, Ph.D.) Presentation (H2FIIIS)
12:00 - 1:15	Lunch
1:15 - 2:30	Gaseous & Liquid Hydrogen Fueling Standardization Hydrogen Fueling Simulation Workshop (Jesse) Parameters for Simulation Liquid Hydrogen Fueling Flow Rates, Couplings: Jeff Patelczyk, Erik Gustafson, Chart Industries Key Goals, Safety Limits and Performance Criteria Determination of Chapter Leads
2:30	New Business
3:00 PM	Adjourn