

2nd Annual VFS H2-Aero Symposium Final Agenda

Day 1 - Tue., March 28		Day 2 - Wed., March 29		Day 3 - Thu., March 30	
7:30 - 8:30	<i>Registration Open / Coffee</i>	7:30 - 8:30	<i>Registration Open / Coffee</i>		
8:30 - 10:00	Session 1: Vision & Keynotes Chair: Mike Hirschberg, VFS	8:30 - 10:00	Session 5: H2-Aero Executive Keynotes Chair: Jesse Schneider, ZEV Station	0830 - 1000	Tour of Shell H2 facilities
8:30 - 8:40	Welcome: Mike Hirschberg, VFS Executive Director	8:30 - 9:00	Keynote Speaker Chris Gilmore, Head of Advanced Concepts, Universal Hydrogen	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.	
8:40 - 9:10	Keynote: H2-Aero Multimodal H2 Airport Hub Whitepaper Jesse Schneider, CEO, ZEV Station (H2-Aero Chair)	9:00 - 9:30	Keynote Speaker (sponsor) John Piasecki, CEO, Piasecki Aircraft Corp.		
9:10 - 9:40	Keynote Speaker Jason Heron, Clean Fuels, Airbus Americas	9:30 - 10:00	Panel		
9:40 - 10:00	Panel	10:00 - 10:30	<i>Networking Break / Coffee</i>	1000 - 1500	SAE AE-5CH Hydrogen Airport Committee (all are welcome)
10:00 - 10:30	<i>Networking Break / Coffee</i>	10:30 - 12:00	Session 6: Standardization: Aircraft & Airports Chair: Griffin Valentich, Shell	Link: https://www.sae.org/standards/content/air8466/	
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	Hydrogen Standards for Aerospace (sponsor) David Franks, Aero Standards Specialist, SAE International	10:00 - 10:15	Welcome and Introductions
10:30 - 11:00	National Renewal Energy Lab (NREL), Dept. of Energy Elizabeth Collins, Research Engineer	11:00 - 11:30	UK H2 Sandbox - Pre-Standards Work Helen Leadbetter, UK Civil Aviation Authority (CAA)	10:15 - 10:30	Minutes
11:00 - 11:30	NASA Aeronautics Research Mission Directorate Naseem Saiyed, Deputy Director for Strategy	11:30 - 11:50	FAA's Hydrogen Infrastructure Efforts Jonathan Torres, FAA Airports, Emerging Entrants Division	10:30 - 12:00	Overview of Hydrogen Airport Taskgroup AE-5CH, SAE AIR 8466 H2 Fueling of Aircraft, in both gaseous and liquid form
11:30 - 11:50	US Air Force Initiatives in Hydrogen Lt Col Mike Dunn, North Spark Defense Laboratory	11:50 - 12:00	Standardization Panel	Overview (Jesse), Safety, Fueling, Distribution, Coupling (Monterey)	
11:50 - 12:00	Government Panel	12:00 - 1:00	<i>Networking Lunch</i>	Hydrogen Fueling Simulation Workshop (NREL Kazunori Nagasawa, Ph.D.) Presentation (H2FIIS)	
12:00 - 1:00	<i>Networking Lunch</i>	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>	12:00 - 1:15	<i>Lunch</i>
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	Ground Vehicle H2 Fueling Tom Mourmouras, Shell	1:15 - 2:30	Gaseous & Liquid Hydrogen Fueling Standardization
1:00 - 1:30	Hydrogen Fuel Cell Partnership (HFCP) Keith Malone, Government Relations	1:30 - 2:00	Project NAPKIN Mark Kelk, Cranfield Aerospace Solutions Ltd	Hydrogen Fueling Simulation Workshop (Jesse) Parameters for Simulation	
1:30 - 2:00	Fuel Cell Energy Association (FCEA) Connor Dolan, VP External Affairs	2:00 - 2:30	Hydrogen Infrastructure Panel	Liquid Hydrogen Fueling Flow Rates, Couplings: Jeff Patelczyk, Erik Gustafson, Chart Industries	
2:00 - 2:30	Hydrogen Association Panel	2:30 - 3:00	<i>Networking Break / Coffee</i>	Key Goals, Safety Limits and Performance Criteria	
2:30 - 3:00	<i>Networking Break / Coffee</i>	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>	Determination of Chapter Leads	
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	Challenges of Propelling VTOL with Hydrogen Fuel Cell Joe Rainville, Bell	2:30	New Business
3:00 - 3:30	Fuel Cell Innovations (exhibitor) Dr. Alex Ivanenko, GM Rotorcraft/New Segments, ZeroAvia	3:30 - 4:00	University H2 Research Needs Dr. Anubhav Datta, University of Maryland	3:00 PM	Adjourn
3:30 - 3:50	H2 eVTOL Challenges (sponsor) Dr. Ilya Khanykov, CEO, Bartini Aero	4:00 - 4:30	BALIS DLR Test Environment: FC Aerospace Propulsion Gernot Hacker, AVL List GmbH		
3:50 - 4:20	H2 Airplane Challenges Dr. Anita Sengupta, CEO, Hydroplane	4:30 - 5:00	Wrap-Up H2-Aero Symposium / Intro SAE H2 Airport Jesse Schneider, ZEV Station		
4:20 - 4:40	Model-Based Certification of H2-Aero Technologies Roberto Licata, Dassault Systèmes	5:00 - 6:30	Networking Reception (All)		
4:40 - 5:00	Panel H2 Aero				