

H2-Aero Symposium & Workshop

March 29-31, 2022
Long Beach, CA, USA



#H2aero



 H2-Aero

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A Special Thanks to Our Workshop Sponsors



The Vertical Flight Society is the professional society for those working to advance technology for rotorcraft, electric vertical takeoff and landing (eVTOL) aircraft and adjacent fields. VFS is successful because of the efforts of its members who dedicate their time and expertise. Many thanks to all those who volunteered to make this 1st H2-Aero Symposium & Workshop successful, especially:



- **General Meeting Chair:** Jesse Schneider (ZEV Station)
- **VFS eVTOL Tech Committee Chair:** Dr. Anubhav Datta (University of Maryland)
- **Volunteers:** Bruce Holmes (consultant), Liviu Cosacescu (ZEV Station) and Yolanka Wulf (CAMI)

Day 1 - Tue., March 29		Day 2 - Wed., March 30	
0700 - 0800	Registration Open / Coffee	0700 - 0800	Registration Open / Coffee
0800 - 1000	Session 1: H2-Aero Keynotes Chair: Mike Hirschberg, VFS	0800 - 1000	Session 5: H2-Aero Keynotes Chair: Jesse Schneider, ZEV Station
0800 - 0810	Welcome Mike Hirschberg, VFS Executive Director	0800 - 0810	Day 2 Kick Off (H2-Aero Chair) Jesse Schneider, CEO, ZEV Station
0810 - 0850	Keynote Speaker Amanda Simpson, VP R&T, Airbus Americas	0810 - 0840	Keynote Speaker Tim Cortes, CTO, Plug Power
0850 - 0930	H2-Aero Team Vision (H2-Aero Chair) Jesse Schneider, CEO, ZEV Station	0840 - 0930	Keynote Speaker Arnaud Namer, Head of Strategy, Universal Hydrogen
0930 - 1000	Keynote Speaker * Dr. Arnab Chatterjee, VP Infrastructure, ZeroAvia	0930 - 1000	Keynote Speaker Dr. Josef Kallo, CEO, H2Fly
1000 - 1030	Networking Break / Coffee	1000 - 1030	Networking Break / Coffee
1030 - 1200	Session 2: Hydrogen in Government Chair: Yolanka Wulf, CAMI	1030 - 1200	Session 6: Standardization & Key Challenges Chair: Dr. Anubhav Datta, U. Maryland
	<i>This session discusses efforts to catalyze hydrogen in the US</i>		<i>This session will discuss lessons learned in deploying hydrogen solutions in mobility</i>
1030 - 1050	US DoE H2@Airports Dr. Rajesh Ahluwalia, Argonne National Laboratory	1030 - 1100	The Promise & Challenge of H2eVTOL Dr. Anubhav Datta, U. Maryland (VFS eVTOL Chair)
1050 - 1120	NASA Hydrogen & Fuel Cell Perspectives * John Cavolowsky, NASA Aeronautics HQ & Ian Jakupca, NASA Glenn	1100 - 1130	Developing Hydrogen-Fueled Aircraft Dr. Asif Ansar, Head of Energy System Dept., German Aerospace Center (DLR)
1120 - 1140	NASA Advances in LH2 Storage & Delivery at Scale * Adam Swanger, NASA	1130 - 1150	Hydrogen Standards for Aerospace Jonathan Archer, SAE International
1140 - 1200	US Air Force Hydrogen Perspective * Sterling Alley, Air Force AFWERX	1150 - 1200	AIAA Sustainable Aviation Efforts Ming Chang, AIAA
1200 - 1300	Networking Lunch	1200 - 1300	Networking Lunch
1300 - 1430	Session 3: Learning from H2 Initiatives Chair: Liviu Cosacescu, ZEV Station	1300 - 1430	Session 7: Investments (Private & Public) Chair: Michael Dymont, NEXA Advisors
	<i>This session will discuss lessons learned in deploying hydrogen solutions in mobility</i>		<i>This session will discuss lessons learned in deploying hydrogen solutions in mobility.</i>
1300 - 1330	California Fuel Cell Partnership Bill Elrick, Executive Director, CaFCP	1300 - 1330	Federal H2 Aero Programs & Private Capital Michael Dymont, Managing Partner, NEXA Advisors
1330 - 1400	Massachusetts Hydrogen Coalition * Charlie Myers, President, Mass. H2 Coalition	1330 - 1400	Successful Past Aero Public-Private Partnerships * Bruce Holmes, NASA ret.
1400 - 1430	UK FlyZero: H2 Airports, Airlines & Airspace * Helen Leadbetter, UK Aerospace Technology Institute	1400 - 1430	Ground Vehicle H2 Fueling Tom Mourmouras, Shell
1430 - 1500	Networking Break / Coffee	1430 - 1500	Networking Break / Coffee
1500 - 1700	Session 4: H2-Aero Applications Chair: Dr. Anubhav Datta, U. Maryland	1500 - 1700	Session 8: Public Kickoff Workshop H2-Aero Facilitator: Jesse Schneider, H2-Aero Chair
	<i>This session will discuss some of the key applications and innovations for hydrogen</i>		<i>The H2-Aero Team open workshop</i>
1500 - 1530	Fuel Cell Innovations Dr. Alex Ivanenko, CEO, & Dietmar Trees, HyPoint	1500 - 1530	Scope of H2-Aero Team Dr. Anubhav Datta, U. Maryland (VFS eVTOL Chair)
1530 - 1555	Fuel Cell eVTOL Aircraft Integration Dr. Ilya Khanykov, CEO, Bartini	1530 - 1600	Fuel Decision Matrix Discussion (Survey) Group discussion
1555 - 1615	Fuel Cell Rotorcraft Integration John Piasecki, CEO, Piasecki Aircraft Corp.		
1615 - 1635	H2 eCTOL Applications Dr. Anita Sengupta, CEO, Hydroplane	1600 - 1630	Launching a Public-Private Partnership for H2-Hubs * Bruce Holmes, NASA Ret.
1635 - 1655	H2 eVTOL Applications Yesh Premkumar, Sr. Manager, Supernal	1630 - 1700	Wrap-Up H2-Aero Symposium / Future Perspectives Jesse Schneider, Chair H2-Aero Team
1655 - 1715	LuftCar & LuftPad – Accelerating H2 in Transportation Santh Sathya, CEO, LuftCar	1700 - 1800	Reception, All
1715 - 1730	Wrap up, Jesse Schneider		

* virtual presentations

Tours of Shell's hydrogen and fuel cell heavy duty vehicle facilities at the Port of Long Beach, California, will be on Thursday morning, March 31.

