

5th International Hydrogen Aviation Conference IHAC 2024

“Hydrogen & Sustainable Aviation Fuels
in Aviation”

5th September 2024

ONLINE





5th International Hydrogen Aviation Conference (IHAC 2024)

5th September 2024, ONLINE

AGENDA (08:50-17:30 hrs, BST)

| Morning Session | |
|-----------------|--|
| 08:50-08:55 | Zoom Platform: Quick Intro for IHAC 2024 attendees James Nicol, Technical Support, IHAC 2024 |
| 08:55-09:05 | Welcome message & opening remarks from the Organizer Dr. Naveed Akhtar, Founder & Chair, IHAC |
| 09:05-09:30 | Plenary Speaker: Hydrogen combustion for future aviation Dr. Pierre-Alain LAMBERT, VP Hydrogen Programs, SAFRAN, France |
| 09:30-09:55 | Glasgow Airport Hydrogen Innovation Hub – next steps for the commercial feasibility study Marta Oliveira, Senior Associate, Ikigai Group, UK |
| 09:55-10:15 | Welcome to the future of Global Communications- Delivering transformational next generation network capability Dr. Martin Chan, Lead Engineer Hydrogen Systems, Stratospheric Platforms Limited, UK |
| 10:15-10:35 | SAF or H2? Siyi Hao, Lead for Aerospace Propulsion Technologies, Roland Berger, UK |
| 10:35-11:10 | Morning Break |
| 11:10-11:30 | Hydrogen-Electric Jets Ivar Aune, CEO, SiriNor, Norway |
| 11:30-11:50 | How First-Generation Hydrogen Aircraft Will Impact the Air Transportation Network Alexander Rau, PhD Candidate / Senior Consultant, Roland Berger / ILR at RWTH Aachen, Germany |
| 11:50-12:10 | Towards Carbon-Neutral Skies: Advancements and Challenges in Climate-Friendly Aviation Initiatives in Germany Dr. Sophie Jürgens, Program Manager Climate-friendly Aviation, NOW GmbH, Germany |
| 12:10-12:30 | UK CAA Hydrogen Challenge Helen Leadbetter, Zero Emissions Flight & Hydrogen Challenge Lead, UK Civil Aviation Authority, UK |
| 12:30-12:50 | Keep it tight: Dieting secrets for Hydrogen Aviation Ferguson Dale, CEO, Semper Sky, LLC, USA |
| 12:50-13:50 | Lunch Break |



5th International Hydrogen Aviation Conference (IHAC 2024)

5th September 2024, ONLINE

AGENDA (08:50-17:30 hrs, BST)

Afternoon Session

| | |
|--------------------|--|
| 13:50-14:10 | Keynote Speaker: Obstacles to Hydrogen Aviation Amanda Simpson, Founder & CEO, Third Segment LLC, USA |
| 14:10-14:30 | Design and Simulation of H2 Storage Solutions for Sustainable Aviation Jim Claesson, Aerospace Industry Team Lead, Modelon AB, Sweden |
| 14:30-14:50 | Ultralight motorized aircraft with liquid hydrogen internal combustion engine : a solution for decarbonizing aviation Nicolò BAIGUINI, Lead of Hydrogen Project, Design Tech Centre, France |
| 14:50-15:10 | Risk Management for the Hydrogen Industry Robert Oldroyd, Risk Advisor – Property & Casualty, Moreton & Company, USA |
| 15:10-15:30 | Hydrogen Electric Powered VTOL Development John Piasecki, President & CEO, Piasecki Aircraft Corporation, USA |
| 15:30-16:00 | Afternoon Break |
| 16:00-16:20 | Thermal-Powered Hydrogen Aviation: Concepts and Advances Paul Palies, Professor, The University of Tennessee Space Institute (UTSI), USA |
| 16:20-16:40 | Nearest term application of H2 in Commercial Aviation: Sustainable Aviation Fuel Production Dr. Joe Ellsworth, Projects Director, CAAFI, USA |
| 16:40-17:00 | Safety & Certification Considerations for Novel Hydrogen Air Systems Daimon de Bruyn, Consultant, Osprey Consultancy Services Limited, UK |
| 17:00-17:20 | Why vacuum in Cryogenic Vessels Norbert Palenstijn, Product Sales Development Manager, Leybold USA Inc., USA |
| 17:20-17:30 | Closing remarks from the Organizer Dr. Naveed Akhtar, Founder & Chair, IHAC |



5th International Hydrogen Aviation Conference (IHAC 2024)
5th September 2024, ONLINE

If you would like to support the event as a sponsor or media partner, please email: info@hy-hybrid.com

Organizer



<https://www.hy-hybrid.com/>
info@hy-hybrid.com