

5th International Hydrogen Aviation Conference IHAC 2024

“Hydrogen & Sustainable Aviation Fuels
in Aviation”

5th September 2024

ONLINE





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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



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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



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At IHAC 2024, We are proud to bring inspirational speakers from across the globe



PIERRE-ALAIN
LAMBERT
SAFRAN
VP Hydrogen
Programs



MARTA OLIVEIRA
Ikigai Group
Senior Associate



JOHN PIASECKI
*Piasecki Aircraft
Corporation*
President & CEO



AMANDA SIMPSON
Third Segment LLC.
Founder & CEO



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SIYI HAO
Roland Berger
Lead for Aerospace
Propulsion
Technologies



MARTIN CHAN
*Stratospheric
Platforms
Ltd*
Lead Engineer
Hydrogen Systems



PAUL PALIES
*University of Tennessee
Space Institute (UTSI)*
Associate Professor



JOE ELLSWORTH
CAAFI
Projects Director



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DAIMON DE BRUYN
*Osprey Consultancy
Services Limited*
Consultant



FERGUSON "JUICE"
DALE
Semper Sky
Owner/Aerospace
ecopreneur



NORBERT
PALENSTIJN
Leybold USA Inc
Product Sales Development
Manager



ALEXANDER RAU
*ILR at RWTH Aachen
University / Roland
Berger*
Doctoral Student &
Senior Consultant



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ROBERT OLDROYD
Moreton & Company
Risk Advisor



NICOLÒ BAIGUINI
Design Tech Centre
Lead of Hydrogen
Project



**DR. SOPHIE
JÜRGENS**
NOW GmbH
Program Manager climate
friendly aviation



**HELEN
LEADBETTER**
*Civil Aviation
Authority*
Zero Emissions Flight
& Hydrogen
Challenge Lead



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JIM CLAESSION
Modelon AB
Aerospace Team Lead



IVAR AUNE
SiriNor
CEO



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Conference Registration: <https://www.hy-hybrid.com/ihac2024>

Ticket Type	Registration Fee
Early bird Virtual Delegate (until 14.06.2024)	£125.00
Regular Virtual Delegate (until 23.08.2024)	£150.00
Virtual Delegate Proceedings-Add-On (until 23.08.2024)*	£50.00

*Conference proceedings will ONLY be sent (within two weeks after the event date) to those delegates who have also purchased the “Virtual Delegate Proceedings-Add-On” pass

Note: Limited number of places may be available to participate as a session chair. If you would like to be considered to participate as a session chair, please contact via email: info@hy-hybrid.com



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Organizer



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