April 16 – 17, 2024

AERO HYDROGEN & BATTERY SUMMIT

April 16, 2024 | 13:30 – 17:45

TIME	TOPIC	SPEAKER
13:30	Opening and introduction	Morell Westermann
13:35	Cryogenic hydrogen in the test vehicle and effects at higher altitudes	Prof. Dr. Josef Kallo, H2FLY
14:00	Panel 1 with H2FLY, Pipistrel and possibly DLR	Prof. Kallo, Tine Tomažič possibly DLR
14:30	Question and answer session panel 1	Prof. Kallo, Tine Tomažič possibly DLR
14:45	Break - Cookies and Coffee	
15:05	POWERPASTE: Fueling Aviation's Hydrogen Transition	Dr. Simon Kothe, Fraunhofer Inst. Bremen
15:35	Developing hydrogen powered fuel cell propulsion system for regional aircraft	DLR Stuttgart Dr. Syed-Asif Ansar
16:05	Question to the speaker	DLR Stuttgart Dr. Syed-Asif Ansar
16:15	Developments and trends in batteries for mobile applications	Prof. Dr. Fichtner, HIU-Ulm
16:45	Industry representatives comment on Prof. Fichtner's statements	additionally with industry representatives
17:10	Flight testing the first hybrid-electric, eSTOL aircraf	Diana Siegel, Electra/USA
17:45	End	

April 17, 2024 | 09:30 – 17:55

TIME	TOPIC	SPEAKER
9:30	Overview starting from electric flight to fuel cells and direct hydrogen combustion	open
9:35	High Performance Fuel Cells	Dr. Joerissen, ZSW-Ulm
10:00	Production Technologies for Hydrogen and Electric Flying	Dr. Martin Dix, Fraunhofer Inst. Chemnitz
10:25	Panel 1 with ZSW, Fraunhofer Instituts from Dresden and Chemnitz and APUS	Dr. Joerissen, Prof. Dr. Martin Dix, P. Scheffel, APUS
10:45	Question and answer session panel 1	Dr. Joerissen, Prof. Dr. Martin Dix, P. Scheffel, APUS
10:55	Aura-Aero implements energy and propulsion systems in their Integral and ERA	Jérémy Caussade, Aura Aero/France
11:20	Break - Canapes and Coffee	
11:35	Cranfield Aerospace is working on fuel cell systems for existing aircraft types	Scott Pendry, Cranfield Aerospace/Great Britain
12:00	Panel with Cranfield, APUS	Scott Pendry, Philipp Scheffel
12:20	New perspectives through H2 direct combustion	Dr. Zahradnik, Austro Engines/Austria
12:40	Lunch break - Big break	
13:40	Short introduction at the beginning of the afternoon	Dr. Frank Anton
13:45	THWS, Aero Delft and ETH Zurich presents student projects	Prof. Dr. Johannes Paulus,Vishwajeetsinh Jadhavrao, Leandro Catarci
14:15	Overview of Safety Challenges associated with Integration of Hydrogen-based Propulsion Systems for Climate Neutral Aviation	Professor Dr. Lars Enghardt, DLR Cottbus
14:40	Electrification for helicopters and aircrafts: role of battery technology	Dr. Daniela Fenske, Fraunhofer Inst. Bremen
15:05	Impact of electric and hydrogen aviation on airport	Marlies Hak, Airport Rotterdam /Nether-land
15:30	Break - Cookie and Coffee	
15:45	Vaeridion introduces the Microliner, which will fly with CustomCells batteries	Dr. Seemann, Vaeridion/Andreas Löhrke, CustomCells
16:10	EPS is the core of the Next Generation Propulsion Technology	Axel Doffey, H55/Switzerland
16:35	What battery systems can achieve today and how Elfly wants to use it for the NOEMI	Tomas Brødreskift, Elfly/Norway, Dr. Wilm Friedrichs, ZHAW/CH
16:55	Question and answer session panel 3	Axel Doffey, H55 and Tomas Brødreskift, Elfly
17:25	HyPoTraDe: Hydrogen Fuel Cell Electric Power Train Demonstrator	Andreas Bender, Uni Stgt. + NFL / Nether-land
17:50	Moderation end	
17:55	End	