



April 16 – 17, 2024

AERO HYDROGEN & BATTERY SUMMIT

April 16, 2024 | 13:15 – 17:50

TIME	TOPIC	SPEAKER
13:15	Opening and introduction	Morell Westermann
13:25	Hybrid Electric Propulsion System for GA Aircraft running on Hydrogen	Jean Botti, VoltAero and Yuichiro „Jamie“ Imai, Kawasaki Motors Ltd.
13:45	Overview of development at Pipistrel starting from Velis and its predecessors	Tine Tomažič, CTO Pipistrel
14:10	Developing a 4 seater electric aircraft with a hydrogen-combustion engine range extender	Dr. Kang Guiwen, Liaoning General Aviation Academy
14:25	Panel with Liaoning General Aviation Academy, VoltAero, Kawasaki Motors Ltd. and Pipistrel	Dr. Kang Guiwen, Liaoning General Aviation Academy, Jean Botti, VoltAero, Yuichiro „Jamie“ Imai, Kawasaki Motors Ltd. and Tine Tomažič, CTO Pipistrel
15:00	Break - Cookies and Coffee	
15:20	Developing hydrogen powered fuel cell propulsion system for regional aircraft	Dr. Syed-Asif Ansar, DLR Stuttgart
15:50	Question to the speaker Dr. Syed-Asif Ansar	Dr. Syed-Asif Ansar, DLR Stuttgart
16:10	Developments and trends in batteries for mobile applications	Prof. Dr. Maximilian Fichtner, HIU Ulm
16:40	Flight testing the first hybrid-electric, eSTOL aircraft	Cécile Casses, Electra/USA
17:10	Question session on battery development without a panel	additionally with industry representatives
17:35	Summary day 1 and outlook day 2	Morell Westermann
17:50	End	

April 17, 2024 | 09:30 – 17:50

TIME	TOPIC	SPEAKER
9:30	Time Topic Speaker	Morell Westermann
9:35	High Performac Fuel Cells	Dr. Ludwig Joerissen, ZSW Ulm
10:00	Production Technologies for Hydrogen and Electric Flying	Dr. Martin Dix, Fraunhofer Inst. Chemnitz
10:25	Panel 1 with ZSW and Fraunhofer Institute Chemnitz	Dr. Ludwig Joerissen, Prof. Dr. Martin Dix, Philipp Scheffel
10:45	Question and answer session panel 1	Dr. Ludwig Joerissen, Prof. Dr. Martin Dix, Philipp Scheffel
10:55	Aura Aero implements energy and propulsion systems in their Integral E an 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 2 with Scott Pendry/Cranfield and Philipp Scheffel/APUS	Scott Pendry, Philipp Scheffel, APUS
12:20	New perspectives through H2 direct combustion	Dr. Zahradnik, Austro Engines/Austria
12:40	Lunch break - great 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 by Prof. Dr. Johannes Paulus, Vishwajeetsinh Jadhavrao and Leandro Catarci	Frederik Jantsch, 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	Katharina Platen, Fraunhofer Inst. Bremen
15:05	Impact of electric and hydrogen aviation on airport	Marlies Hak, Airport Rotterdam/Netherlands
15:30	Break - Cookie and Coffee	
15:45	Vaeridion introduces the Microliner, which will fly with customcells	Dr. Seemann, Vaeridion/Andreas Lührke, CustomCells
16:10	Norways fjords are be connected with amphibians	Tomas Brødreskift, Elfly Group
16:35	EPS is the core of the Next Generation Propulsion Technology	Lawrence Blakeley, H55
17:00	Question and answer session panel 3	Lawrence Blakeley/H55, Dr. Wilm Friedrichs/ZHAW, Tomas Brødreskift/Elfly, Dr. Seemann/Vaeridion
17:20	HyPoTraDe: Hydrogen Fuel Cell Electric Power Train	Andreas Bender Uni Stgt. + NFL
17:45	Moderation end	Dr. Frank Anton
17:50	END	