

E2Flight Symposium
 05.-06. Oktober 2017
 Mövenpick Hotel Stuttgart-Airport

AGENDA

	Thursday - October 5th, 2017	
Time	Title	Speaker
09:30	<i>Arrival & Check-In</i>	
Opening Remarks		
10:30	Overview - The E2Flight - Symposium	Josef Kallo - German Aerospace Center DLR / Len Schuhmann - University of Stuttgart / Johannes Anton - German Aerospace Center DLR
10:45	Welcome Note	
Technological and Political Progress in Electric Flight		
11:15	Spiral Development of Electrified Aircraft Propulsion from Ground to Flight	Starr Ginn - NASA Armstrong Flight Research Center
11:45	ICAO Resolution A39-3, Policies and Practices Related to Environmental Protection – Global Market-Based Measure Scheme	Frauke Pleines-Schmidt - German Federal Ministry of Transport and Digital Infrastructure
12:15	LUNCH	
13:15	Commuter Aircraft with Electric Propulsion – Concept Studies	tba - University of Stuttgart, IFB
13:45	Technological Challenges of High Power Demand at High Voltage Levels	Peter Jänker- Airbus Group
Hybrid Systems and Energy Storage		
14:15	Potential of wing structure integrated hydrogen tanks for emission-free general aviation applications	Jan Eichhorn - APUS - Aeronautical Engineering GmbH
14:45	<i>COFFEE BREAK</i>	
15:15	Liquid Hydrogen Storage on Aircraft including Operational Aspects and Logistics	Pierre Crespi - Air Liquide, Advanced Technologies

15:45	Battery Packaging and Safety	Christoph Schäper - AIR ENERGY Entwicklungsgesellschaft mbH & Co KG
16:15	tba	tba
16:45	Closing Remarks	
19:00	<i>Come Together in a typical German Brewery</i>	
	<i>Details will be announced at the conference. Direct payment only.</i>	
	Friday - October 6th, 2017	
Time	Title	Speaker
Energy Conversion, Safety and Certification Aspects		
08:30	Energy Conversion, Safety and Certification Aspects	Manfred Reichel - EASA
09:00	Safety and Certification of Electric Aircraft	Kurt Papathakis - NASA Armstrong Flight Research Center
09:30	Power Converter, Fundamentals and State-of-the-Art	Marc Hiller - Karlsruhe Institute of Technology
Integration Aspects and Flying Hardware		
10:00	Eco4: New Generation Hybrid-electric Four Seat Aircraft	Andreas Strohmayer - University of Stuttgart, IFB
10:30	<i>COFFEE BREAK</i>	
11:00	HY4 - Hydrogen Fuel Cell Powered Passenger Transport	tba - German Aerospace Center DLR
11:30	Flight Testing Methodology for Unconventionally Powered Aircraft	Paolo Romagnolli - PIPISTREL d.o.o.
12:00	Flying Testbeds for Electric Motors of High Power Density	tba - Siemens AG
12:30	Elfin RS10.e – Electric Glider with Pod Mounted Range Extender	Lars Muth - RS.aero GmbH / TH Wildau

13:00	Closing Remarks	Josef Kallo - German Aerospace Center DLR / Len Schuhmann - University of Stuttgart / Johannes Anton - German Aerospace Center DLR