

E²Flight[®] 2023

EMISSION- FREE & ELECTRIC FLIGHT

AGENDA

TUESDAY - 12 SEPTEMBER 2023

10:00 Welcome

10:10 Stuttgart Airport's Vision

Ulrich Heppe, Spokesman of the Management Board of
Flughafen Stuttgart GmbH

SESSION POWERTRAIN & COMPONENTS

10:35 Setting the Scene

Asif Ansar, DLR & Josef Kallo, University of Ulm
José Rey Villazon, GE Aviation

10:55 The Future of More Sustainable Aviation for
Regional Hybrid-Electric Propulsion

11:20 Safeguarding Sustainable Aviation: Hydrogen
Detection in Aircraft

Tim Hoff, DLR
Ruchi Jha, DLR

11:45 LUNCH

12:45 Development of EVTOL aircraft and powertrain
modeling and simulation tools

Chris Shields, Lilium GmbH

01:10 Liquid Hydrogen and Fuel Cell
Electric Powertrains for Aircraft

Johannes Schirmer, H2FLY GmbH

01:35 COFFEE BREAK

SESSION AIRCRAFT DEMONSTRATORS

01:55 Setting the Scene

02:15 Technology Roadmapping and the Dornier
328-ALPHA Demonstrator

Andreas Strohmayr, University Stuttgart
Georgi Atanasov, DLR
Riaan Myburgh, Deutsche Aircraft GmbH

02:40 Airbus ZEROe – The Aerospace Future with
Hydrogen

Peter Frieze, Airbus Operations GmbH

03:05 Hydrogen-electric flights of our DO228-
three lessons for a zero-emission aviation future

Julian Renz, ZeroAvia

03:30 COFFEE BREAK

03:50 APUS i-2

Philipp Schildt, APUS Group

04:15 Ampaire's Eco Caravan: a Caribbean Project

John Rees, Ampaire Inc.

04:40 Leveraging hybrid-electric propulsion to amplify
aerodynamic performance

Diana Siegel, Electra Aero, Inc.

PITCH OF START-UPS

05:10 Setting the Scene

05:20 chesco – new research for hybrid electric flying

Johannes Garbino-Anton, BBAA

05:35 Two-phase Cooling Technology for Next
Generation Electric & Hydrogen Aircrafts

Georg Möhlenkamp, BTU
Antoine de Ryckel, CALYOS

05:50 Electric Flytrain – Powering Sustainable Aviation
- Lessons from 4 years of development

Tobias Kahnert, Electric Flytrain AG

06:05 Electrified Regional Air Mobility with
VÆRIDION's Microliner

Sebastian Seemann, Vaeridion GmbH

06:20 LimeSparx-Pushing boundaries with smart
design space exploration

Alexander Schneegans, LimeSparx GmbH

06:35 Closing

06:40 Departure to Skyland, Airport Stuttgart for the
Networking Event

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