

**15th EASN International Conference on
Innovation in Aviation & Space towards sustainability today and tomorrow**

Agenda Overview

DAY 1 | 14.10.2025

08:30 - 16:00	Registration							
ROOM	A-021							
09:00 - 09:15	Conference Opening & Welcome Addresses							
09:15 - 09:45	KEYNOTE SPEECH Flying to aviation sustainability with hydrogen: Facts & Challenges by Mr. Pierre-Alain Lambert SAFRAN SA, Manager of the Energy & Propulsion Department							
Chaired by	Prof. Gustavo Alonso Conference co-Chairman							
09:45 - 09:55	Signature of MoU between JEDA and EASN Association							
09:55 - 10:55	DISCUSSION PANEL Re-charge innovation to re-gain Europe's competitiveness Mr. Andreas Boschen SESAR 3 Joint Undertaking, Dr. Markus Fischer German Aerospace Center (DLR) & Acting Chairman of EREA, Mr. Axel Krein Clean Aviation Joint Undertaking, Prof. Andreas Strohmayr European Aerospace Science Network (EASN), Chairman, Professor of the Institute of Aircraft Design, University of Stuttgart							
Moderated by	Prof. Spiros Pantelakis European Aerospace Science Network (EASN), Honorary Chairman, Professor Emeritus, University of Patras							
10:55 - 11:25	Coffee Break							
11:25 - 13:25	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027
Session Title	COLOSSUS X-Challenge Student Competitions Exploring Solutions to Wildfire Fighting Using Innovative Aircraft Designs and System of Systems Analysis	Thermal management advances in (hybrid-) electric propulsion systems PART I	Clean Aviation Ultra- Performance Wing project	Innovative Materials and Manufacturing Processes for Developing Sustainable Smart Composites PART I	EFACA SESSION I: TECHNOLOGIES FOR AIRCRAFT DESIGN	LCA in Aviation	UAV/UAS: Systems and operations	AI in space
Session Chair	Mr. Prajwal Prakasha (DLR, Germany)	Prof. Klaus Höscher (Brandenburg University of Technology, Germany)	Dr. Bruno Stefes (Airbus Operations GmbH, Germany) & Dr. Michael Méheut (ONERA, France)	Prof. Liberata Guadagno & Prof. Roberto Pantani (University of Salerno, Italy)	Prof. Francisco Pérez Moreno (Universidad Politécnica de Madrid, Spain)	Ms. Ligeia Paletti (DLR, Germany) & Mr. Daniel Kan (NLR, Netherlands)	Prof. Lidia Serrano Mira (Universidad Politécnica de Madrid, Spain)	Dr. Wiebke Brinkmann (DFKI GmbH, Germany)
13:25 - 14:30	Lunch Break							
14:30 - 16:30	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027
Session Title	Holistic Impact Assessment in Aviation: Frameworks, Climate Metrics & Beyond	Thermal management advances in (hybrid-) electric propulsion systems PART II	Clean Aviation Open Digital Environment for Hybrid- Electric Regional Aircraft	Innovative Materials and Manufacturing Processes for Developing Sustainable Smart Composites PART II	EFACA SESSION II: ROADMAP FOR GREENING OF AVIATION	Eco-Design and Life-Cycle- Assessment for Hybrid Electric Aircraft	Air Traffic Management (ATM)	Space Robotics – Current and Future Trends in Research and Development
Session Chair	Mr. Prajwal Prakasha (DLR, Germany)	Prof. Klaus Höscher (Brandenburg University of Technology, Germany)	Dr. Luca Boggiero (DLR, Germany)	Prof. Liberata Guadagno & Prof. Roberto Pantani (University of Salerno, Italy)	Prof. Francisco Pérez Moreno (Universidad Politécnica de Madrid, Spain)	Dr. Thomas Reichert & Mr. Peter Brantsch (Fraunhofer- Gesellschaft, Germany)	Prof. Luis Perez Sanz (Universidad Politécnica de Madrid, Spain)	Dr. Wiebke Brinkmann (DFKI GmbH, Germany) & Dr. Carlos Perez (Universidad de Malaga, Spain)
16:30 - 17:30	Poster Session Tour #1							
17:30 - 19:00	General Assembly EASN Association							

DAY 3 | 15.10.2025

08:30 - 17:30	Registration								EASN Association - Election for BoD
ROOM	A-021								
09:30 - 10:00	KEYNOTE SPEECH Shaping the aviation of tomorrow by Dr. Markus Fischer German Aerospace Center (DLR), Divisional Board Member for Aeronautics								
Chaired by	Prof. Andreas Strohmayr Conference co-Chairman								
10:00 - 10:30	Coffee Break								
10:30 - 12:30	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027	
Session Title	Digitalization of Manufacturing, Sustainable Manufacturing and MRO	Propulsion System Advancements for the Near Future PART I	Clean Aviation Hybrid Electric Regional Aircraft - Roundtable Discussion with the involvement of HERA, HERWINGT, HECATE, ODE4HERA, HERFUSE	Production of Aerospace Components via Metal Additive Manufacturing: Research Challenges and Industry Perspectives	FALCON : Foreseeing the next generation of aircraft: hybrid approach using lattice Boltzmann, experiments and modeling to optimize fluid-structure interactions	Sustainability and circularity in the design process in aviation	Safely and environment in ATM	The ASTRAIOS Project – Building a Future-Ready Space Workforce in Europe	
Session Chair	Dr. Baris Caglar (TU Delft, Netherlands)	Dr. Christos Mourouzidis (Cranfield University, UK)	Mr. Vittorio Ascione (Leonardo, Italy)	Dr. Spyros Diplas (SINTEF, Norway)	Prof. Julien Favier (Aix-Marseille University, France)	Prof. Angelos Filippatos (University of Patras, Greece) & Ms. Ligeia Paletti (DLR, Germany)	Prof. Octavian Thor Pleter (University Politehnica of Bucharest, Romania)	Dr. Mari Kolehmainen (ESF, France)	
12:30 - 13:30	Lunch Break								
13:30 - 15:30	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027	
Session Title	CABLESTIS: Advancing Aviation through Virtual Prototyping, Lightweight Materials, and High-Performance Computing PART I	Propulsion System Advancements for the Near Future PART II	Clean Aviation Technologies for Hybrid-Electric Regional Architectures PART I	Advanced Manufacturing Technology for Aeronautics and Space PART I	The OVERLEAF Final Event: Advancements in Liquid Hydrogen Storage Technology and Future Scenarios	Sustainability and circularity in the manufacturing process in aviation	From sensors to systems. Navigation & Control PART I	Satellite Front-End Electronics	
Session Chair	Mr. Cristian Builes Cárdenas (AIMEN, Spain)	Dr. Christos Mourouzidis (Cranfield University, UK)	Mr. Sebastian Pellicer Solomayor (Airbus Defence and Space SA, Spain)	Prof. Mario Guagliano (Politecnico Di Milano, Italy)	Ms. Emma Celeste Lope Refuerzo (Acitur, Spain)	Dr. Elias Koumoulos (IRES, Belgium) & Prof. Angelos Filippatos (University of Patras, Greece)	Prof. Cezary Szczepanski (Warsaw Institute of Aviation, Poland)	Prof. Ernesto Limiti (University of Roma "Tor Vergata", Italy)	
15:30 - 16:00	Coffee Break								
16:00 - 18:20	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027	
Session Title	CABLESTIS: Advancing Aviation through Virtual Prototyping, Lightweight Materials, and High-Performance Computing PART II	Next Generation Propulsion Systems PART I	Clean Aviation Technologies for Hybrid-Electric Regional Architectures PART II	Advanced Manufacturing Technology for Aeronautics and Space PART II	Better Contrails Mitigation (BeCoM Project)	Are we ready to design for sustainability?	From sensors to systems. Navigation & Control PART II	Satellite Systems in the 6G network	
Session Chair	Mr. Cristian Builes Cárdenas (AIMEN, Spain)	Prof. Andreas Strohmayr (University of Stuttgart, Germany)	Mr. Sebastian Pellicer Solomayor (Airbus Defence and Space SA, Spain)	Prof. Mario Guagliano (Politecnico Di Milano, Italy)	Assoc. prof. Feijia Yin (TU Delft, Netherlands)	Prof. Sophie Halstedt, Prof. Ola Isaksson (Chalmers University of Technology, Sweden) & Prof. Timeoleon Kipourou (Cranfield University, UK)	Prof. Cezary Szczepanski (Warsaw Institute of Aviation, Poland)	Prof. Ernestina Clanca (University of Roma "Tor Vergata", Italy) & Prof. Beatriz Soret (University of Malaga, Spain)	
20:00	EASN Gala Dinner								
End of the 2nd Day									

DAY 3 | 16.10.2025

08:30 - 18:00	Registration							
ROOM	A-021							
09:00 - 09:30	KEYNOTE SPEECH Impact of space technologies for sustainability and resilience by Mr. Massimo Claudio Comparini LEONARDO, Managing Director of Space Division							
Chaired by	Prof. Ernesto Limiti University of Roma "Tor Vergata"							
09:30 - 10:30	DISCUSSION PANEL Sustainability in Space Technologies, Applications & Systems							
Panelists	Prof. Ernestina Cianca University of Roma "Tor Vergata", Mr. Josef Kaspar VZLU AEROSPACE, Board Chairman & CEO, Dr. Kai Lindow Fraunhofer IPK, Director Digital Engineering, Mr. Miguel Angel Molina GMV, Deputy General Manager Space Systems, Mr. Andrea Vena ESA - European Space Agency Chief Climate and Sustainability Officer							
Moderated by	Prof. Ernesto Limiti University of Roma "Tor Vergata"							
10:30 - 11:00	Coffee Break							
11:00 - 13:00	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027
Session Title	Advancing Collaborative Defence Innovation: Research Insights from EDF-supported Projects	Next Generation Propulsion Systems PART II	Clean Aviation Technologies for Thermal Management PART I	Materials – Manufacturing – Structures PART I	Multifunctional structures with quasi-solid-state Li-ion battery cells and sensors for the next generation climate neutral aircraft (MATISSE Project)	Advancing Sustainable Aviation: Integrating Innovative Design, Manufacturing and Digitalization PART I	Innovation in UAVs: Advances in Design Methods Performance Enhancement and Emerging Technologies	Space Technologies PART I
Session Chair	Ms. Olga Eisman (ISDEFE, Spain)	Prof. Andreas Strohmayr (University of Stuttgart, Germany)	Mr. Guillaume Bourelly (Honeywell, Czech Republic)	Prof. Nikolaos Michailidis (Aristotle University of Thessaloniki, Greece)	Dr. Helmut Kühnelt (Austrian Institute of Technology (AIT), Austria)	Mr. Alexander Sorgenicht (Capgemini Engineering, Germany)	Prof. Pericles Panagiotou (Aristotle University of Thessaloniki, Greece)	Prof. Claas Olthoff (University of Stuttgart, Germany)
13:00 - 14:00	Lunch Break							
14:00 - 16:00	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027
Session Title	Ramp-up of Sustainable Aviation Fuels Production: Taking Stock of Ambition and Reality	Innovative electroactive morphing for disruptive future wing design towards long term sustainability	Clean Aviation Technologies for Thermal Management PART II	Materials – Manufacturing – Structures PART II	Synergies of Highly Integrated Transport Aircraft (SynTrac)	Advancing Sustainable Aviation: Integrating Innovative Design, Manufacturing and Digitalization PART II	Smart-IAM - towards smart-city integrated AI-driven sustainable mobility	Space Technologies PART II
Session Chair	Prof. Robert Mallia (Hasselt University, Belgium)	Dr. Marianna Braza (CNRS, France)	Mr. Guillaume Bourelly (Honeywell, Czech Republic)	Prof. Nikolaos Michailidis (Aristotle University of Thessaloniki, Greece)	Prof. Sabine C. Langer (TU Braunschweig, Germany) & Prof. Stephan Staudacher (University of Stuttgart, Germany)	Mr. Alexander Sorgenicht (Capgemini Engineering, Germany)	Mr. Bartosz Dzulagiel (ILOT, Poland)	Prof. Octavian Thor Pleter (University Politehnica of Bucharest, Romania)
16:00 - 17:00	Coffee Break & Poster Session Tour #2							
17:00 - 19:00	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027
Session Title	Hydrogen Aircraft Design and Application	AI-based methodologies for aircraft health management	Clean Aviation Technologies for Thermal Management PART III	Recent advances in SHM for Aeronautics: from sensor data to predictive maintenance	Green Deal Lighthouse Airports, The Final Sprint	Advancing Sustainable Aviation: Integrating Innovative Design, Manufacturing and Digitalization PART III	Single Pilot Operations (SPO) Technologies	Digital Engineering for Innovation in Aviation and Space PART I
Session Chair	Mr. Fabian Peter (Bauhaus Luftfahrt, Germany)	Prof. Dimitrios Zarouchas (TU Delft, Netherlands) & Prof. Theodoros Loufas (University of Patras, Greece)	Mr. Guillaume Bourelly (Honeywell, Czech Republic)	Mr. José Manuel Royo (ITA, Spain)	Ms. Ella Soltani (To70 Aviation, Belgium)	Mr. Alexander Sorgenicht (Capgemini Engineering, Germany)	Dr. Vittorio Di Vito (CIRA, Italy)	Dr. Shubham Shubham, Dr. Andrea Spinelli & Prof. Timoleon Kipourou (Cranfield University, UK)
19:00	Students & Young Researchers Networking Event							
End of the 3rd Day								

DAY 4 | 17 10 2025

08:30 - 12:00		Registration							
Room	A-021								
09:30 - 10:00	KEYNOTE SPEECH Is the eco-system of the European aerospace engineering education prepared to adapt to the transformation of Aerospace? by Prof. Gustavo Alonso Universidad Politécnica de Madrid (UPM), School of Aeronautical and Space Engineering (ETSIAE)								
	Chaired by Prof. Spiros Pantelakis Conference co-Chairman								
10:00 - 10:30	Coffee Break								
10:30 - 12:30	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027	
Session Title	Energy and Fuels: Radical approaches towards 100% renewable energy and climate neutrality	Aircraft Design PART I	Non-destructive testing and structural health monitoring of aircraft structures	Advanced Manufacturing Technology for Aeronautics and Space PART III	Aerodynamic & Aeroacoustic Analysis and Design PART I	Simulation and experimental validation of sustainable aircraft structures and their manufacturing processes	Regulation & Policies	Digital Engineering for Innovation in Aviation and Space PART II	
Session Chair	Dr. Andreas Sizmann (Bauhaus Luftfahrt, Germany)	Prof. Emmanuel Benard (ISAE SUPAERO, France)	Dr. Heige Pfeiffer (KU Leuven, Belgium) & Prof. Elena Jasuniene (Kaunas University of Technology, Lithuania)	Ms. Elena Rodríguez Senín (AIMEN, Spain)	Prof. Konstantinos Kontis (University of Glasgow, UK)	Prof. Konstantinos Tserpes & Prof. George Lampeas (University of Patras, Greece)	Dr. Dietrich Knörzer (former Senior Officer, Aviation Unit, DG Research & Innovation, European Commission)	Dr. Shubham Shubham, Dr. Andrea Spinelli & Prof. Timoleon Kipouras (Cranfield University, UK)	
12:30 - 13:30	Lunch Break								
13:30 - 15:50	A-021	A-003	A-004	A-005	A-006	A-025	A-026	A-027	
Session Title	Energy Storage	Aircraft Design PART II	Innovative electrical devices supporting sustainability in aviation and space	Advanced Manufacturing Technology for Aeronautics and Space PART IV	Aerodynamic & Aeroacoustic Analysis and Design PART II	In-flight safety for sustainable aircraft	Aeroelasticity & Scaled Flight Testing	Digital Engineering for Innovation in Aviation and Space PART III	
Session Chair	Prof. Christine Espinosa (ISAE SUPAERO, France)	Prof. Emmanuel Benard (ISAE SUPAERO, France)	Prof. Patrizia Lambert (University of Salerno, Italy)	Ms. Elena Rodríguez Senín (AIMEN, Spain)	Prof. Konstantinos Kontis (University of Glasgow, UK)	Dr. Andreas Baltenberg (Fraunhofer-Gesellschaft, Germany)	Prof. Andreas Strohmayr (University of Stuttgart, Germany)	Dr. Shubham Shubham, Dr. Andrea Spinelli & Prof. Timoleon Kipouras (Cranfield University, UK)	
Room	A-021								
16:00 - 16:30	Concluding Remarks, Best Poster Award Announcement & Conference Closing								
End of the 15th EASN International Conference									