

8:00 - 17:30	Registration
ROOM	Aula delle lauree
9:00 - 9:15	Welcome by the Conference Chairpersons & the Rector of the University of Salerno, Prof. Vincenzo Iola
9:15 - 9:45	Sustainability and Digitalisation: the paradigms for a new era of aeronautics Keynote Speech by Dr. Marco Profili Vice President of Advanced Research, LEONARDO
Chaired by	Prof. S. Pontolakis FASN Honorary Chairman

9:45	10:15	Clean Aviation: the ticket to zero-emission flight Keynote Speech by Mr. Axel Krein Executive Director, Clean Aviation Joint Undertaking Chaired by Prof. A. Strohmayr EASH Chairman							
Coffee break									
ROOM	Aula delle lauree	Room D	Room E	Room F	Room G	Room N	Room O	Room 101	Room 102

	Propelling the future with efficiency and sustainability The promise of Distributed Electric Propulsion for a New Era of Aviation (Part I)	Key enabling technologies for drone based multi-agent systems (Part I)	Project session: MINIMAL Project	Advanced Manufacturing Technology for Aeronomics (Part I)	Air Traffic Management (ATM) and Airports (Part I)	Aerodynamic Analysis & Design (Part I)	Polymeric Composites and Processes for primary and secondary aircraft structures (Part I)	New driveline solutions for rotorcraft and tiltrotor - Hybrid aircraft
Session Chair	Ms. Sonali Shroff (Clean Aviation /JG)	Dr. Ricardo Reis (Improbis), Dr. Raj Thibak Rajan (IIT Delhi), Dr. Morien Lorenz (Anyfly Technologies)	Dr. Carlos Xico (Chambers University)	Dr. Je Zhao (University of Strathclyde)	Prof. Octavian Fliter (University Politehnica of Bucharest)	Prof. Jeryk Zabok (E.ON)	Prof. Roberto Pantani & Prof. Roberto Guadagnolo (University of Salerno)	Prof. Michael Weigand (TU Wien)
10:45 11:05	Aerodynamics of Distributed Propulsion – An Overview of the DESPEC Project <i>Jules Wernke, Alessandro Fioricione</i>	Analysis of the new market trends of UAVs for the BVLOS operations. <i>Elena Pohl, Panagiotis Rodolakis, Riccardo Jose Nunes Dos Reis, Morien Lorenz, Imaris Vassiliou, George Dimitrakopoulos</i>	Minimum environmental impact: efficient cores for aircraft propulsion <i>Carlos Xico, Feijia Yin, Anders Lindqvist, Anna Tordshagen</i>	Disruptive technologies: Injection welding and Coldchamber Electroplating Modeling for complex shapes <i>Sinisa Knezevic, Alessandra Passaro, Giuseppe Ruccione, Umberto Argenteau, Michele Agnappace</i>	Flight trajectories optimization for weaving control avoidance <i>Felja Yin, Vessal Kurik, Fedeora Gheara, Volker Grewe, Klaus Gierkes, Walter Alper, Alexander Schmitt, Philippe Keckler, Teodora Popescu, Andreia Bocu, Sigun Martens, Simon Balogh</i>	Carely noise reduction with sweeping surfaces <i>Abdennasser BELALOUCH, Laurent DATA</i>	Polymeric Composites for Aircraft Structures Design and Development of Novel Polymer Matrix Resins Nanocomposites <i>Imperiato, Sabatini, Spasari, D'Alagni, Di Stefano, Arosio, Arnone</i>	Intelligent Chip Detection System for Drive Train Components of a Configuration <i>M. Aufreiter, E. Kogelsbauer</i>
11:05 11:25	Design, manufacturing and testing of the Clean Sky2 Distributed Electric Propulsion Sucker Flight Demonstrator DSF-DEP <i>Cristian DOLE, Maurice HOCQUET, Pierluigi ANELLI, Irene BERTHO, Dorotea KREIER, et al.</i>	Hardware-based security design for improved drone safety <i>Rafael Garcia, Maurice HOCQUET, Pierluigi ANELLI, Irene BERTHO, Dorotea KREIER, et al.</i>	Composits Cybe Engine design for normal climate impact : Study setup and reference system <i>Nicola Ari, Sofia A. Lidenmark, M. Levis A., Zengin G., Xiao C., Rot A.</i>	The impact of data injection on predictive capabilities developed within electrical engineering research in the context of aerospace cybersecurty <i>Jorge Bayliss Hernandez, Mario Angeles Martin Pratz</i>	Implementing and testing a ti-space system: lessons learnt <i>Aliqeer Asghar Far Khan</i>	Li Adaptive Control Design for a Tall Ice Combined Forward Airplane <i>Adrian DAMIAN, Ben Abudul KOC, Burcu KURUCU</i>	Towest smart logging for composite manufacturing by integrated self-healing nanocomposites <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Rotorcraft Main Transmission with Continuous Variable Ratio – Dynamic Simulation and Results of Simulations <i>Al. Weigand, Th. Scheue, A. Scholz, J. Dornier</i>
11:25 11:45	Aerospace simulations and reduced order modelling of CFD configurations <i>Karl-Joseph Jansen</i>	Designing and implementing test generation tools with DelmiaSimetrix <i>Anno Ryckebus, Jean-Louis GUYOT, Bruno MATHIEU, Karim EL KHAYAT, Wolfgang Forster, Joachim Koehnle, Robert Kraft, Axel von Bommberg, Maria Bortol</i>	Demonstrating low HzIs for thermal analysis in real flight conditions on engine core <i>Andrew Wolf, Jonathan Sun, Chao Wang, Wengang</i>	Model-based approach for the automatic inclusion of production considerations in the conceptual design of aircraft <i>Anne-Lise M.M. Bruggeman, Peter van der Laan, Arie de Rooze, Ton van den Berg, Ivo van der Loo</i>	ATM strategies for, and impacts of, space launches <i>Nick Rocco, Andrew Book, Yajima Boke</i>	EXPERIMENTAL STUDIES OF NUTRIENCE OF CARBON EFFECT ON AIRCRAFT ROBOTIC CHARACTERISTICS <i>Andrei Krzywicki, Robert Pascoe, Alessandro Cepek, and Lukasz Kisielowski</i>	Eco-friendly composites with thermally conductive fillers <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Safety of Rotorcraft Drivetrain – Scientific Challenges <i>M. Weigand</i>
11:45 12:05	Aerodynamic and aeroacoustic performance of DEF configurations <i>Julian Tullner</i>	On UAV Testneted Communication through Smart Selective Addressed <i>Emmanuel Papagiorgaki, Luca Davoli, Giancarlo Cicale, Valentinella panisi, Gianluigi Ferrel</i>	Exploration of heat management concepts for a hydrogen fueled and range-compatibility engine test rig <i>David Lee, Hyoung-Gook C., Mizuta, M., Aleksei, E.</i>	Gradient-based Optimization of Composite Structures using Double-Doubt Learning <i>David Letort, Lemont Fortes, David Letort, Lemont Fortes, Edgar Werthen, Eli Koppert, Christian Hofme</i>	ATM towards the adoption of a passenger-centric approach <i>Clara Aquilino Marile, Santiago Almondo, Joaquim Lamounier, Frank Dumur, Nicolas Boulet, Paul</i>	Structural aspects of the High Speed railings with DEF-125 <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Carbon nanotubes based on ID and 2D carbon nanotubes for aerodynamic composites <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	How transmissions contribute to clean energy propulsion systems of aircraft <i>M. Weigand</i>
12:05 12:25	AI-Based Model and Modeling (IBM simulation and IBM modeling) <i>François-René Becot</i>	Open Discussion	Climate model for future aircraft engine design: a novel concept architecture <i>David Lee, Hyoung-Gook C., Mizuta, M., Aleksei, E.</i>	Fuel consumption behavior in aggregated of traffic metrics <i>Clara Aquilino Marile, Santiago Almondo, Joaquim Lamounier, Frank Dumur, Nicolas Boulet, Paul</i>	Helicopter main rotor air analysis using parametric blade model as an application for multidisciplinary optimization <i>Jackie Kopeck, Stanislaw Koczek, Robert Rogalski</i>	Efficient energy saving strategy for aircraft engine <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Experimental analysis of High Lift Propeller Positions for a Distributed Propulsion <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	
12:25 12:45	Structure-Based Model and Modeling <i>Gergely Tamas, Csaba Chrenopoulos</i>	Open Discussion	Climate model for future aircraft engine design: a novel concept architecture <i>David Lee, Hyoung-Gook C., Mizuta, M., Aleksei, E.</i>	On safe separation of aircraft flying along air corridor <i>Luis Campese, Joaquim Marques</i>	Self-repairing systems of composite materials <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Experimental analysis of High Lift Propeller Positions for a Distributed Propulsion <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Experimental analysis of High Lift Propeller Positions for a Distributed Propulsion <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	
12:45 14:00	Lunch Break							
14:00 14:30	Aviation della ricerca							
Chaired by	Bridging research and operations in ATM: The MUAC success stories Keynote speeches by Mr. John Santambrogio (Director, Microsoft Upper Area Control Centre (MUAC)) Prof. Liberto Guadagnolo, EASIN MCP Member							
ROOM	Room D	Room E	Room F	Room G	Room H	Room I	Room J	Room 102
Session Title	Propelling the future with efficiency and sustainability The promise of Distributed Electric Propulsion for a New Era of Aviation (Part II)	Key enabling technologies for drone based multi-agent systems (Part II)	Hydrogen in Aviation	Advanced Manufacturing Technology for Aeronomics (Part II)	Air Traffic Management (ATM) and Airports (Part II)	Aerodynamic Analysis & Design (Part II)	Polymeric Composites and Processes for primary and secondary aircraft structures (Part II)	Aircraft engine Advanced design
Session Chair	Ms. Sonali Shroff (Clean Aviation /JG)	Dr. Ricardo Reis (Improbis), Dr. Raj Thibak Rajan (IIT Delhi), Dr. Morien Lorenz (Anyfly Technologies)	Mr. Hugues Fleut (European Climate, Infrastructure and Environment Executive Agency - CINEA)	Dr. Je Zhao (University of Strathclyde)	Prof. Octavian Fliter (University Politehnica of Bucharest)	Prof. Jeryk Zabok (E.ON)	Prof. Roberto Pantani & Prof. Roberto Guadagnolo (University of Salerno)	Dr. Christos Mouradidis (Cardiff University)
14:40 15:00	Model design through aerodynamics and aeroacoustic optimization <i>Juliano Vilgast</i>	An architecture for multi-task drone communication <i>Morien Lorenz, Ricardo J.N. dos Reis, Clara Cicale</i>	OVERLAY / iREGIO: Hydrogen-Powered Airbus A320XLR <i>Emanuela Coppa, Jorge Martinez</i>	Manufacturing development and control of a two-way 3D printed jet actuator achieved with SMA <i>Alfonso Albano Accardi, Velazquez, David Wang, Ando Winkler, Niklas Mueller, Xosha Kolbasov</i>	Staging of Airport Infrastructures in Support of Hydrogen-Powered Flights <i>Flora A., Brian G.C., Ronald H.M.</i>	YEE-TAE FEATHERING DESIGN FOR CLASS I MIN-VAV <i>Eleftherios Nikolaidis, Vasilias Katsipoulas</i>	Influence of Temperature on the Toughening Reaction of an Epoxy Resin during Self-Repairability <i>Elisa Calabrese, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Effects on non-uniform wall on the noise of a jet exhaust <i>Luis Campese, David de la Cruz, Francisco Javier Becot</i>
15:00 15:20	Challenging aspects like the evolution of structural design and manufacturing issues <i>Stephan Adami, Fabio Ricucci</i>	MBSE to support technology development in European Research for drone technology <i>Ricardo J.N. dos Reis, José Ricardo Pereira, Morien Lorenz, Imaris Vassiliou, George Dimitrakopoulos</i>	HOPF: hydrogen optimized multi-mission system for clean and silent aircraft <i>Felja Yin, Vessal Kurik, Fedeora Gheara, Volker Grewe, Klaus Gierkes, Walter Alper, Alexander Schmitt, Philippe Keckler, Teodora Popescu, Andreia Bocu, Sigun Martens, Simon Balogh</i>	CONTINUOUS ULTRASONIC WELDING OF A THERMOPLASTIC COMPOSITE FILLS-SCALE FIBERGLASS DEMONSTRATOR <i>FROM LABORATORY TESTING TO FULL-SCALE WELDING</i> <i>M. Alessio, M. Gonzalez Castro, S. Pinola, D. Castillo</i>	The Cablen Canandum of Military Aviation: Navigating the Obstacles between Operational Efficiency and Environmental Accountability <i>Robert Horvath</i>	Aerodynamic Concepts of Light Upper-Surface Wing Flight UAV Microaircraft Vehicles <i>Guillermo Galinski</i>	Role of the aspect ratio of carbon fibers in designing Self-Healing and Self-Repairable Structural Elements <i>Antonio Antonio, Antonio Sorrentino, Barbara Palmieri, Antonio Antonio, Alberto Marfano, Roberto Pantani, Liberto Guadagnolo, Giuseppe De Tommaso</i>	Numerical investigation of metallic heat exchanger in Ammonium Nitrate green propellant <i>Bahattar Koca, Atilla Vassiliou</i>

7:00	17:20	Regulatory Compliance <i>Riggo Montemayor, Elio Isipio, Emma Tene</i> In different industrial sectors A <i>Heracleo Suarez, William de Vito, Marcela Magaña</i> Heracleo Suarez <i>Christina Yorgensen</i> <i>Konstantinos Iliopoulos</i>	Material Testing on a Service (Mfao) <i>Song Yang, Xunhui Xu, Yuhang Andrew Lynn, Yi Gan</i>	Disassembled, Single and Isolated Configurations <i>James O'Donnell, Bill K. Lindner, Peter Schuch and Jens Friedrichs</i>	VAB- and ERM- produced Composite Structures <i>Maximilian Jure</i>
		Scaled Flight Testing - Concept Towards Sustainable Aviation:	Heating methods and	Characterizing the shape-	

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Open Discussion							
15:06	15:26	Project EURECH: The Sustainable Waste-Injecting Turbine Compting Hingorani Sachin Kaler	Multifunctional structural batteries – the promise of weight reduction in hybrid electric aircraft Hemul Kulkarni	The recycling of different carbon fibre grades from aerospace composite waste Alexandre Favier, Olivier MARTEL, Ahmad GHALEB, Constance AMARE	Reducing Ground Impact Hazards of a Solar Tilt Thrust Modeling and Analysis Francisco Antonio Zamora, Domingo De Muga, Giovanni Pirovani, Matteo D. Lallo Vedore, Paolo Magagnoli	Investigation of heterogeneous materials for Al-Be Alloy Alloyed in Al-Be Alloy Research on Advanced Al-Be Nishu Nema, Pooja Rishi, Prashant Singh Pokhara, Thomas Di Sarno Nagel	HUMAN AI learning for Air Traffic Controller The COCA project Naveen Rajeev

15:25	15:45	Project HEAVEN Delivering a step change in efficiency and an optimum proposition architecture for net zero carbon fuels Guest	Concept Development of the AIJ inlet for Fuel Cell-Powered Electric Propulsion Systems for Regional Aircraft Stefan Kuzula, David Henratty	Eco-Hybrid Platform Andre Stork, Lena Offer	AURORA - UAM in the urban mobility framework: Potential added value for cities and citizens Daphne Grandjean, Kathryn Burrows, Dominique Gills, Ivana Semang, Shom Fakhrudin	
18:45	19:00	Coffee Break				

Room	Aula delle lauree	Room D	Room E	Room F	Room G	Room N	Room O	Room I02
Session Title	Hydrogen Powered Aircraft	Hybrid Electric Flight (Part II)	UAS Safety	Multi-modal design and integrated new functionalities	From Sensors to Systems	Clean Sky 2+ING Project: towards the first flight	Project Session: OAPES	CRP Bonded: Repertorialization of Gonding
Session Chair	Dr. Jean-François Brouckaert	Prof. Andreas Stohmayr	Mr. Hugues Felix (European Commission)	Prof. Angelos Filippatos	Prof. Cezary Szczępański	Ms. Marka Belardo	Prof. Gustavo Alonso (Universidad Politécnica)	Ms. Noelia González Castro

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16.40	17.00	Thermo-Fluid Analysis of Tank Performance in Liquid Hydrogen Engines	Preiminary design of a detailed stratigal aircraft with a modular tank cell power Drones&flight, Autonomous Drones to Emure Safety in Transport Concept and	Investigating Design-Property-Function relations of CNI- doped cells and CNI- based cells using numerical methods and experimental data Integrated multi-scale modelling for flying vehicles CNI-based cells	A methodology to tune the tick-back dynamic of the bionic motor Andrés Corral, Jacopo	Use of thermal data to estimate the ignition rate in the TMS202 Angel Pardo, J. Javier	Hard patch induction welding of fiber reinforced thermoplastics using flexible induction heating coils	Thermo-Fluid Analysis of Tank Performance in Liquid Hydrogen Engines V. Rozano Tommaso, Michele Giovanni, Alfonso Martone Millán, Juan Zamora, Angel Pérez Prisco, Giuseppe Tommaso, Michele Giovanni

Alireza Zarekhanlou, Shihai Zouli, Theodoros Katsoulakis, Bobby Jolly	Teresa Donatoni, Antonio Riccardi	Implementations of the Solid	Prognosis, Michael Weicker, Cezary Szczepaniak	Berardo, Nicola Paffetti, Antonio Chianelli, Marilisa Piquero, Javier Cebis, Benia Rodriguez, Alejandro Rodriguez	part of the E-United Repair project
Integrating Sustainability in Conceptual Design: A Multi-Objective Approach	Competition of flight	A ROBUST METHOD TO DESIGN AND OPTIMIZE TIE-ROD CLIP	including experiments of AI	Research on ThermoPlastic resins: 3D scanning technologies for CAD optimization of the repair	Markus Ruder

17:00	17:20	Structure Model of Liquid Hydrogen Tanks for Preliminary Design of Commercial Aircraft Antonio Rosendo Bernard, Sebastian Delator Yves Gosselin	Comparative Analysis of Hydrogen Tanks for Preliminary Design of Commercial Aircraft hydrogen-based electric propulsion Stefano Giorio, Victor Bohns Stefan Kuehn	RAPD: Risk Management System Colleen Knox	Criteria Approach for Aircraft Certification Concept for Integration Development Angelo Pignatelli, Tommaso Di Ruggiero, Alessandro Altomonte, Maurizio Di Francesco	parametric in situ simulation of aircraft structure using commercial software and X-Plane simulator for multi-color models Michael Weiser, Alexander Weiser, Ewald Zupfel	FOR THE IDENTIFICATION OF THE CAUSAL CHAIN OF A TEST-AND-REPAIR KAI OHLER D. Diandro, A. White, L. Tombari, A. G. G. Di Ciccio, A. Chierello, M. Balardo	Techniques onboard UTM-300 satellite mission Alejandro Alarido, Juan Carlos Rodriguez, Juan Carlos Valente, Juan de la Puente, Juan Carlos Rodriguez, Montserrat Bayón-López	condition of repair causes analysis of applicability in full scale demonstration with 3D	George Garcia Rodriguez, Montserrat Bayón-López, Cordani Garcia-Milla, Francisco
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17.40 - 18.00	Multiparametric Thermal and Structural Finite Element Simulation of a General Aviation Cyclic Gyro-engine George Tzoumakis, Konstantinos Fotopoulou	Reducing Environmental Impact of Jet Engines by Hydrogen Co-combustion Radosław Przyjeto, Dariusz Górecki, Bartosz Czerwinski, Konrad Zieliński		Flight test evaluation of trim load stabilisation system lateral channel on T30-120 Delta aircraft Artur Ejsler, Cezary Szczepaniński, Marcin Krzywicki	TWING Preliminary Vibration Test Activities Marino Francesco, Mariano Acciaio, Stefano Bergamo, Vincenzo, Gaetano Giuseppe Morabito, Marijo Gubina, Miano Maria, Polenta Nicola, Benetto Jacopo
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18:00 - 18:20	Design and optimization of a Hydrogen power plant for ultra-light aircraft propulsion Parizadeh Chahouli, Antonio Riccardi, Angiola Pennino	Estimating Maintenance Costs of New Aircraft Concepts under Consideration of Uncertainties: A feasibility study Jennifer Werhagshoff, André Ali Pinyas, Lea Wieda, Gerd Wende	Open Discussion	The capability of reducing the aircraft's fuel level measurement and indication system based on the M-6 medium lift helicopter Macedo Filipowicz, Irwinling Spatarowicz-Perez, Cesar Scarpato, Marek Mlynarczyk	GAPFF FOOD METHODOLOGY APPLIED FOR THE STRUCTURAL COMPLIANCE OF THE WING OF A CIVIL BTL-10 Christiane Antonucci, Davide Cavigliani, Domenico Guaglianone, Marika Belardo, Antonio Chagnoli
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		End of the 2nd Day	
		DAY 3 07.09.2023	
8:30	10:30	Registration	
ROOM		Auto delle source	

9:00	9:30	EU Space Research and Innovation 2.0 - Preparing (for) the Future Space Ecosystem Keynote Speech by Mr. Daniel Niles <i>Strategy for EU Space Research and Innovation, DES DEITS</i>
Chaired by		Prof. S. Pavellato <i>EASO Honorary Chairman</i>
9:30	10:00	Space Structures: the role of new materials and innovative structures Keynote Speech by Dr. Stefano Cantoni <i>Department Head, Large Ground Testing Facilities, Demonstrators and Prototyping, CIRA</i>
Chaired by		Prof. Liberato Gaddagno <i>EASO NCP Member</i>
10:00	10:45	Coffee break

Room	Asia del Sur	Room D	Room E	Room F	Room N	Room O	Room 102	Room ICARO
Session Title	Project session: HEWINGT	Hybrid Battle: Fight (Part II)	Digitalization of Manufacturing, sustainable manufacturing and MRO Part II	Human Systems Integration in the design of future aircraft: how to address Non-AI testing (Part I)	European Policy Actions in the field of Aviation	Aircraft Testing (Part I)	Space Technologies (Part II)	Expanding new approaches for Earth and Space Systems in Aviation and Space
Session Chair	Mr. Antonio Hernandez	Prof. Andreas Schreyer	Mr. Hugues Flesch	Dr. Ricardo Reis	Dr. Detrich Denner (former Senior Officer, Airbus)	Prof. Dr. Jochenek (former Head of Airbus)	Dr. Alessandro Delfino	Dr. Angela Vassallo
								Prof. Paulina Lambert & Dr. Alexander

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12.00	12.30	HERWING/ Aerodynamic Technologies Intellectuals Event Location	Enabling human-Autonomy Teaming in Aerial Robotics: An Interview to Address Human Factors in Digital Assistants Abstract Design Chair Visiting Stations From Baron Baron Baron Baron Chief Chief Chief Chief	An approach to describe the business behavior of an enterprise and to manage management Chair Visiting Stations From Baron Baron Baron Baron	Visitation Test Campaigns performed on a landing gear system Chair Visiting Stations From Baron Baron Baron Baron	Qualification methods for a subcritical aircraft system Chair Visiting Stations From Baron Baron Baron Baron	Operational Pressure and Safety: A new Performance Framework Chair Visiting Stations From Baron Baron Baron Baron	Simulation-based design of a microcontroller for the imaging Chair Visiting Stations From Baron Baron Baron Baron
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12:30 - 12:45	Lunch break									
ROOM	Aula delle lauree									
14:00 - 14:30	Enabling technologies for lunar exploration Keynote Speech by Prof. Sabine Klinkner Chair of Satellite Technology, Institute of Space Systems, University of Stuttgart									
Chaired by	Prof. A. Shohmeyer EASN Chairman									
ROOM	Aula delle lauree	Room D	Room E	Room F	Room G	Room N	Room O	Room 102		

Session Title	Smart Air Transport (SAT) Technologies	Hybrid Electric Flight (HEF)	Digitalization of Manufacturing, Sustainable Manufacturing, and AEO (Part I)	Human Systems Integration in the design of future Aviation and Space Systems: addressing Human-AI Teaming (Part I)	Aviation Impact Assessment	Aircraft Testing (Part II)	Way of future orbital and planetary robotics	Digital Tools for future Aircraft on the Horizon	
Session Chair	Dr. Vittorio Di Vito (CIRA)	Prof. Andreas Strohmeier (University of Stuttgart)	Mr. Jürgen Fels (European Clinical Research and Development Executive Agency - CORDA)	Dr. Ricardo Reis (Embraer)	Mr. Volker Kojanek (DLR)	Prof. Ivica Jevčević (Bosch University of Technology)	Mr. Weibke Krimm (DLR)	Mr. Andreas Köhler (Cognitec)	

14.40	15.00	The role of Electric Vertical take-off and Landing (EVTOL) aircraft in the aerospace and mobility (AAM) and its associated challenges Iman Shamsolmoghadam, Samir Babic, Ravindra Datta, Massimo Zennaro, Suresh, Melissa Faria, Francisco de Paula, Subodh Kumar	A SENSITIVE ANALYSIS ON THE RANGE EQUATION FOR HYBRID ELECTRIC AIRCRAFT Arman Baki, Robert Kott and Fabio Russo	DOMINO: Lease-optimized additive manufacturing of large heterogeneous components Burkard, Dennis Demmel, Guggenberger, Gert	Study and development of a new time flight modelling system Burkard, Dennis Demmel, Guggenberger, Gert	A Versatile Compilation Framework for the Development and Implementation of Embedded Systems in Class 2 John Wegmann, Michael von Eupke	The latest approaches and challenges in rescue operations systems development and testing Robert Glatz, Robert Freytag	Development of a leveling and leveling rate control for the first sediments on a test track for Jonas Bismeyer, Jonas Jenz, Malte Langhof	Implementing Lifecycle Sustainability in Aircraft Development in Aerospace Masato Ponzo, Olof Jansson
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15.00	15.20	Overview of Multiple Technologies for Smart Aspects of the Coastal Region Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Prof. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Prof. Grzegorzowski, PWR Prof. Matusz	GENEX: Introduction & GENEX Overview Increasing the Efficiency of the Manufacturing and the Recycling Processes Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Dr. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Dr. Grzegorzowski, PWR Dr. Matusz			
		Predicting the environmental benefits of introducing bio-based plastic generation models on regional level Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Dr. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Dr. Grzegorzowski, PWR Dr. Matusz	Increasing the Efficiency of the Manufacturing and the Recycling Processes Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Dr. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Dr. Grzegorzowski, PWR Dr. Matusz	Environmental Impacts of Clean 2+ Technologies for Next-Gen Large Passenger Aircraft Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Dr. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Dr. Grzegorzowski, PWR Dr. Matusz	Super cooled large door simulation of thin Wing Wind Tunnel Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Dr. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Dr. Grzegorzowski, PWR Dr. Matusz	Design and testing of mechanical gripping tools for intelligent grippers Dr. Jacek Jakubik, Wroclaw University of Science and Technology, Poland Dr. Agnieszka Kozłowska, Wrocław University of Science and Technology, Poland Dr. Grzegorz Gajda, Wrocław University of Science and Technology, Poland Dr. Grzegorzowski, PWR Dr. Matusz

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16:20	16:40	Myriam Montecchi, Alessandra Lodi Zilli, Michela Ferrucci, Edoardo Bucchiarelli	Open Discussion	different panel's mechanical response Konstantinos I. Fotiadou, Panagiotis Kordas, George N. Lemopoulos	Design & development of a modular retractor Enrica Masini
Auto delle lezioni					
17:00	17:30	Concluding Remarks & Conference Closing <i>Prof. A. Stashynsky EASN Chairman - Prof. S. Fontebello EASN Honorary Chairman - Prof. Liberato Geronzi EASN NCP Member</i>			

End of the 3rd Day
DAY 4 08.09.2023
Technical Visit: Centro Italiano Ricerche Aerospaziali (CIRA)
End of the 13th EASN International Conference