

20 May 2026				
18:30		21:30		Welcome Cocktail & Finger Food
21 May 2026				
08:00		09:00		Registration
MARTA Conference Room	09:15 - 09:50		READ/PSAA Chair - Tomasz Goetzendorf-Grabowski READ/UKE Chair - Andrea Alaimo UKE Authority Welcome Speech Opening Session	
		Plenary Lecture		
Conference Room	10:00	10:30	Tomasz Goetzendorf-Grabowski	A Brief History of the READ Conference – Successes and Challenges
10:30		10:50		Coffee break
		Session 1/1	Chair:	Fluid Dynamics
Room 1	11:00	11:20	Katarzyna Kania	Aerodynamic hysteresis at high sideslip angles for an unconventional fixed-wing UAV
	11:20	11:40	Katarzyna Surmacz	An aerodynamic investigation of rocket static stability
	11:40	12:00	Sebastiano Geremia Isidoro Marci	Numerical Simulation of Blast Waves from Hydrogen–Air Detonations Triggered by Tank Failure
	12:00	12:20	Łukasz Kiskowskiak	Numerical and experimental investigation of LEX and LEVCON on fighter aircraft aerodynamics
	12:20	12:40	Tadeusz Mogielnicki	Development of a test stand for aeronautical research
		Session 1/2	Chair:	Structures and Materials 1
Room 2	11:00	11:20	Robert Rogólski	Finite element model of a light airplane with embedded control mechanisms for parametric analysis of free vibrations and flutter
	11:20	11:40	Martina Sartori	Numerical Evaluation of Curing-Induced Deformations in Composite Stiffened Panels
	11:40	12:00	Michał Szcześniak	Measurement of normal modes of the main rotor blade of an unmanned helicopter using contact and non-contact methods
	12:00	12:20	Jaroslav Milczarczyk	Description of the method for obtaining similarity of the structure stiffness on the example of building a dynamically scaled model of the wings of a light aircraft
	12:20	12:40	Jakub Suszyński	Numerical Analysis of the Structural Behavior of a Light Aircraft Wing Segment under Static Load Conditions
12:50		13:50		Lunch break
		Plenary Lecture		
Conference Room	14:00	14:30	Erasmo Carrera	Aerospace Italy 2024
		Session 2/1	Chair:	Aircraft Design
Room 1	14:40	15:00	Andrzej Krzysiak	The Concept of Flying Platform
	15:00	15:20	Angajala Nikhil Chaitanya	Benchmarking, Preliminary Design and Aerodynamic Configuration for Development of N38 Trishool Aircraft
	15:20	15:40	Agnieszka Kwiek	Numerical aerodynamic optimization with stability constraints of Martian aircraft
	15:40	16:00	Andrzej Tarnowski	Multi-Vehicle Aerial Platform (MVAP)
		Session 2/2	Chair:	Structures and Materials 2
Room 2	14:40	15:00	Pamela Bugała	Comparison of Experimental Results and FEM Simulations for a High-Altitude Aircraft with a Joined-Wing Configuration
	15:00	15:20	Robert Smusz	Experimental study of thermal diffusivity of Inconel 625 alloy at higher temperatures
	15:20	15:40	Lukáš Dubnický	Optimization and Experimental Development of a Morphing Flaperon for Small UAVs Using Fused Deposition Modeling
	15:40	16:00	Andriy Payenskyy	High-Fidelity Static Aeroelastic Simulation of Wing Using a Coupled CFD–FEM Solver
16:10		16:30		Coffee break
Gala Dinner				

22 May 2026

08:00 09:00 Registration

		Session 3/1	Chair:	Flight Dynamics
Room 1	09:00	09:20	Wojciech Grendysa	Modelling and simulations of aircraft autorotation.
	09:20	09:40	Agnieszka Kwiek	Rocket plane trajectory simulation in emergency flight conditions
	09:40	10:00	Grzegorz Ptasinski	Formation flight of UAVs – state of the art query
	10:00	10:20	Elisa Testaquatra	A computational framework for evaluating the longitudinal trim of highly flexible aircraft

	Session 3/2		Chair:	Structures and Materials 3
Room 2	09:00	09:20	Antonio Fontanella	High-Fidelity Nonlinear Analysis of Wingbox Structures: Resolving Nastran-CUF Discrepancies through Refined 1 3D Modeling
	09:20	09:40	Giuseppe Mantegna	A Preliminary Mechanical Study of Mapped Modified Lattice Cells for Axisymmetric Problems
	09:40	10:00	Valerio Acanfora	Hybrid Additive Wing Structures with Integrated Metallic Lattices for Impact Resistance
	10:00	10:20	Mariusz Kowalski	Mechanical Characterization of Forged Carbon Fiber Composites for Advanced Aviation Components

Plenary Lecture				
Conference Room	10:30	11:00	Andrzej Krzysiak	One hundred years of the Institute of Aviation.

11:00 11:20 Coffe break

	Session 4/1		Chair:	Education in Aircraft Design
Room 1	11:30	11:50	Maciej Zasuwa	Use of a Flight Simulator in Higher Education: A Case Study of a Boeing 737 Platform at Warsaw University of Technology
	11:50	12:10	Piotr Grzybowski	Application of the V-Model in Assessing the Feasibility of Complex Multimodal Projects under Educational Limitations
	12:10	12:30	Emanuele Caligari	VR-Based Flight Simulation for Structural Design Education
	12:30	12:50	Stefano Carletta	Design and Calibration Runs of the Facility for Education and Research on Re-entry Instability
	12:50	13:10	Eliza Łapińska	Lessons learned from participation in the European Rocketry Challenge 2025 competition

	Session 4/2		Chair:	Systems & Subsystems Design 1
Room 2	11:30	11:50	Miroslav Šplíchal	Aircraft propulsion by external energy
	11:50	12:10	Sergio Bagarello	An overview of hydrogen storage for airborne applications
	12:10	12:30	Emeka Chijioke	Assessing the Impact of Actuator and Rotor Dynamics on Energy-Optimal Electric Rotorcraft Missions
	12:30	12:50	Andreas Strohmayer	A European scaled flying testbed for the integration of novel powertrain components
	12:50	13:10	Antoni Kopyt	Docking station for UAV for autonomous railway track inspection

13:15 14:00 Lunch break

	Session 5/1		Chair:	Aircraft Design
Room 1	14:10	14:30	Łukasz Kiciński	Model Predictive Control Tuning for an Unmanned Helicopter Using Particle Swarm Optimization
	14:30	14:50	Stanisław Gajek	Manoeuvre Classification for Utility-Class Sailplanes Based on Data from Inertial Navigation Systems
	14:50	15:10	Antoni Kopyt	Optimization of the UAV inspection of infratructure with the path planning and AI
	15:10	15:30	Antoni Kopyt	Concept of implementation UAV delivery system in urban environment

		Session 5/2	Chair:	Systems & Subsystems Design 2
Room 2	14:10	14:30	Miroslav Cervenka	Next-Generation Aerospace Actuation: A Solid-State Architecture for Resilient Position Measurement
	14:30	14:50	Erick Espinosa-Juárez	On-Board Systems Impact on Performance In Aircraft Conceptual Design
	14:50	15:10	Carmelo Vindigni	assessing flight task related workload prediction across simulation fidelity levels
	15:10	15:30	Sofia Glorioso	Quantifying Pilot Workload in Flight Training via Gaze Behavior and HRV Analysis

Conference Room Student paper jury

Conference Room Closing Ceremony

Guided tour of Enna historical center

23 May 2026

09:00 12:00 UKE Laboratory tour