ICNAAM 2025
23rd International Conference of Numerical Analysis and Applied Mathematics

Call for Papers

Modelling Progress in Aerospace Science
MPAS-2025

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Following the success of the previous MPAS symposium held in Rhodes, Greece(2019), virtually in Paris, France (2020) and in Heraklion, Greece (2021 and 2022) it was decided to hold the 5th edition of the Modelling Progress in Aerospace Science meeting in Heraklion, Crete, Greece as a symposium of ICNAAM 2025.

MPAS Symposium focuses on new results of aerospace science research carried out by using mathematical and computational techniques. The aim of the Symposium is to collect relevant papers dealing with important approaches of applied and computational mathematics that have relevance to engineering in the field of Aerodynamics and Fluid dynamics, Propulsion, Materials and Structures, Aircraft, and Spacecraft Systems, Flight Mechanics and Control, Aerospace Systems and Missions. Papers must be characterized by innovative models, methods, and approaches that can find practical application to the engineering field or by new useful application of existing models to solve aerospace engineering problems. The Symposium will be characterized by a multidisciplinary nature that, by means of a common need for mathematical and numerical models, can invite authors involved in the implementation and use of mathematical and computational approaches with applications in different aerospace science areas including, but not limited to:

Adaptive Control	All-Electric Aircraft advancements	Green Aviation
Additive Manufacturing for Aerospace	Aviation Human Factor	High voltage-Full electric actuation
Advanced Control surfaces technologies and Development	Avionics	Noise control
Aeroelasticity	Computational Fluid Dynamics	Optimization, Control and Identification
Aircraft Design	Computational Mechanics	Propulsion Systems
Aircraft Flight Control Systems	Damage and Fracture Mechanics	Sensors and Actuators
Aircraft Guidance Navigation and Control	Digital Twins	Smart Materials Modeling
Aircraft Maintenance and Failure Analysis	Flight Mechanics	Smart Structures Modeling
Aircraft Systems and Equipment	Flight Simulation	Space Engineering and Technology
Aircraft Transportation	Flight Tests	Space Exploration and Missions
Air Traffic Management	Fluid dynamics	Structures and Materials

Important notices:

Preparation of the Extended Abstracts: https://icnaam.org/abstract.htm
Registration: https://icnaam.org/registration.htm
Accommodation: https://icnaam.org/accomodation.htm

Deadline:

Papers in the forms of Extended Abstracts should be sent to the MPAS-2025 Symposium Organizers no later than **June 9, 2025,** using one of the following emails: antonio.esposito@unikore.it, giuseppe.mantegna@unikore.it, carmelorosario.vindigni@unikore.it, filippo.masseni@polito.it

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