

وزارة الدفاع الوطني أركان الجيش الوطني الشعبي قيادة القوات الجوية المدرسة العليا لتقنيات الطيران الشهيد موسى رحالي

CALL FOR PAPERS CALL FOR PAPERS CONFERENCE ON AERONAUTICAL SCIENCES AND TECHNIQUES APRIL 22, 2025

The Third Conference on Aeronautical Sciences and Techniques (CAST'03) provides a prestigious platform to showcase technological breakthroughs, explore cutting-edge innovations, and address critical challenges in the dynamic field of aeronautics including propulsion systems, advanced navigation, autonomous systems, and material optimization. This distinguished assembly aims to establish a vibrant forum where researchers, academics, scientists, professionals, and students convene to exchange their profound knowledge and expertise.

- \checkmark Autonomous, Embedded, Control and Navigation Systems
- Cybersecurity in Aeronautical Platforms
- Human-Machine Interaction (HMI)
- Robotics and Autonomous Systems
- Guidance, Navigation and Control
- Air Traffic Management (ATM)
- Sensors and Data Fusion
- Embedded Systems

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- \checkmark Signal, Radio Frequency Technologies and Radar
- Antennas, Propagation and Radio Frequency Designs
- Positioning, Localization, Identification and Tracking
- Signal Processing and Radar Technologies
- Cognitive and Adaptive Radar Systems
- Hyperspectral and Multispectral Sensing
- Electromagnetic Compatibility
- Quantum Signal Processing

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TOPICS

✓ Energy and Electrical Conversion

- Power Electronics and Energy Conversion
 Renewable Energy and Smart Grids
 Actuators and Motion Control Systems
- Energy Optimization and Sustainability
- Emerging Electrical Materials
- Electrical Machines
- \checkmark Reverse Engineering and Maintenance
- Emerging Technologies for Aeronautical Manufacturing
- Reverse Engineering for Aeronautical Systems
- Advanced Processes of Maintenance

Satellite Technologies

✓ Propulsion, Aerodynamics and Structures

- Aeronautical Structures Engineering and Optimization
- UAVs design and Emerging Aeronautical Technologies
- Aeronautical Materials and Surface Treatments
- Energy Efficiency and Fuel Optimization
- Combustion and Propulsion Systems
- Computational Fluid Dynamics
- Internal / External Aerodynamics
- Flight Dynamics



INSTRUCTIONS FOR SUBMITTERS

Authors are cordially invited to submit original and unpublished contributions in English, adhering to both PDF and DOC formats, using IEEE template. Papers must be with a maximum length of five (05) A4 pages.

Accepted and presented papers will be published in the conference proceedings.The conference will encompass:

- Plenary sessions featuring invited speakers and keynote presenters;
- Dedicated oral presentation and poster sessions.

REGISTRATION

Authors are respectfully invited to submit their papers to the following email address: **cast@mdn.dz** Accepted papers must be presented at the conference by one of the co-authors. Registration is completely free.

For any additional assistance or inquiries, authors are encouraged to contact the organizing committee.

ORGANIZED BY



Ecole Supérieure des Techniques de l'Aéronautique CHAHID RAHALI Moussa



