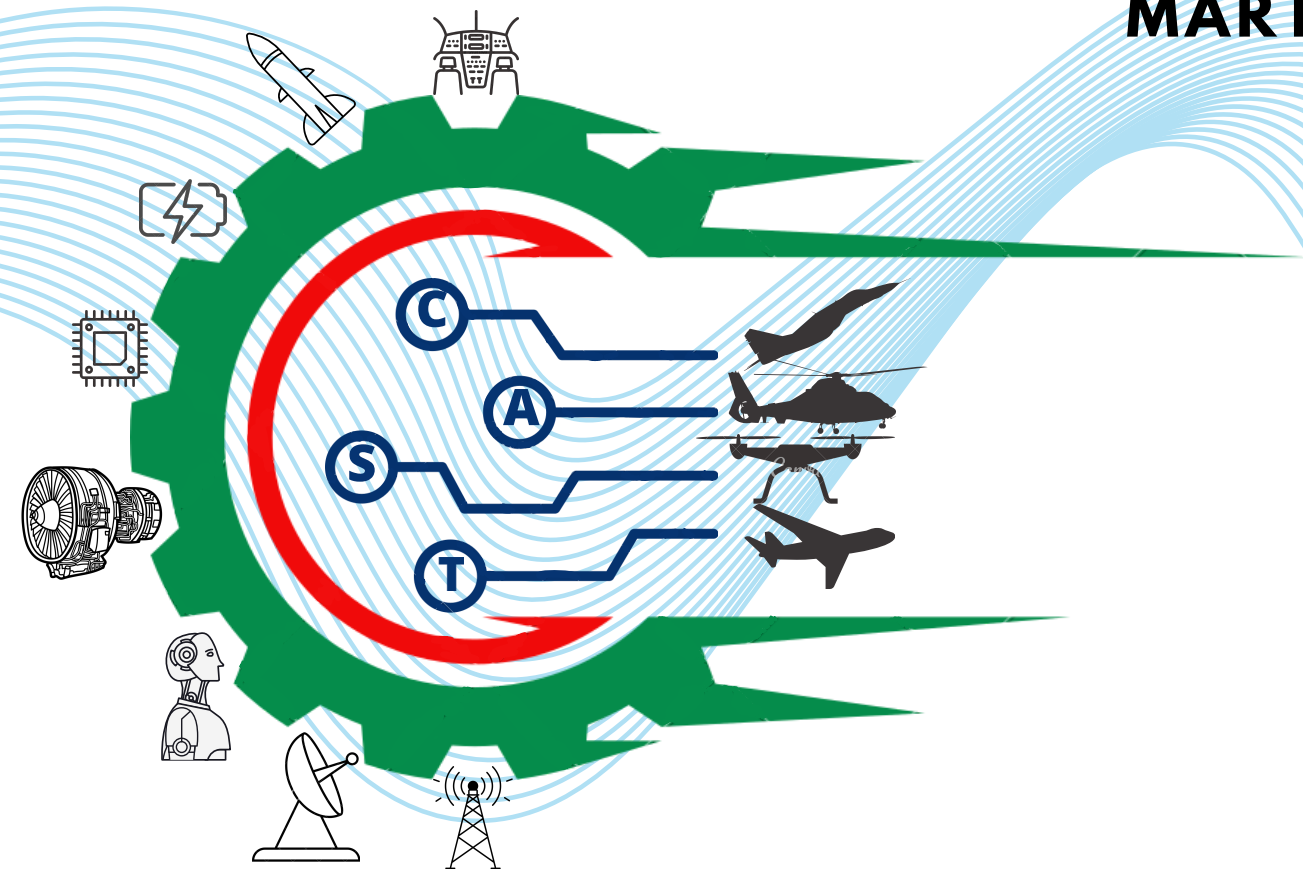




MINISTRY OF NATIONAL DEFENCE
PEOPLE'S NATIONAL ARMY STAFF



AIR FORCE COMMAND
HIGHER SCHOOL OF AERONAUTICAL TECHNIQUES
MARTYR RAHALI MOUSSA



CALL FOR PAPERS
CAST'04

CONFERENCE ON AERONAUTICAL
SCIENCES AND TECHNIQUES
APRIL 22, 2026

The Fourth Conference on Aeronautical Sciences and Techniques (CAST'04) 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.

TOPICS

✓ **Autonomous, Embedded, Control and Navigation Systems**

- Cybersecurity in Aeronautical Platforms
- Robotics and Autonomous Systems
- Safety Software Techniques
- Guidance, Navigation and Control
- Spacecraft and Satellite Platforms
- Integrated Modular Avionics
- Air Traffic Management
- Novel Hardware and Software
- Embedded Systems

✓ **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

✓ **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
- Optoelectronics and Devices
- Quantum Signal Processing

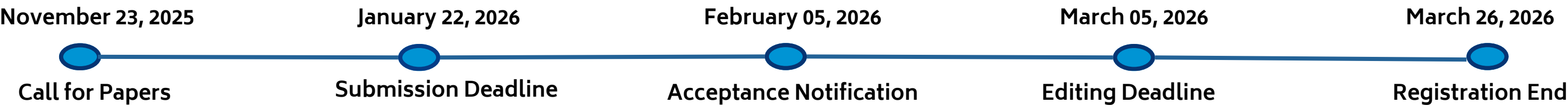
✓ **Propulsion, Aerodynamics and Space Systems**

- UAV design, Flight Dynamics and AI-Based Optimization
- Advanced Space Propulsion and CubeSat Technologies
- Energy Efficiency and Sustainable Propulsion
- Advanced Maintenance and Repair Processes
- Internal and External Aerodynamics
- Computational Fluid Dynamics
- Combustion and Propulsion Systems

✓ **Aeronautical Structures and Materials**

- Advanced Aeronautical Materials and Surface Treatments
- Fatigue, Durability, and Damage Tolerance of Aerospace Structures
- Emerging Technologies, Smart and Adaptive Aerospace systems
- Aeronautical Structures Engineering and Optimization
- Advanced Processes in Maintenance and Manufacturing

IMPORTANT DATES



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. The submitted Papers should have 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;
- Oral presentations 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.

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