



10TH INTERNATIONAL CONFERENCE ON Recent Advances in Air and Space Technologies **RAST2023**



İSTANBUL, TÜRKİYE / JUNE 7-9, 2023



CALL for
PAPERS

www.rast.org.tr



International Conference on Recent Advances in Air and Space Technologies (RAST) is held by the National Defence University, Turkish Air Force Academy at the international level biennially. As in the previous meetings; institutions and distinguished universities of Türkiye are expected to contribute to 10th RAST Conference.

RAST2023 intends to be a forum for the exchange of recent research results and ideas in air and space technologies. It should be of interest to a wide range of participants from government agencies, relevant international institutions, universities, research organizations, air and space companies, as well as media and the general public. It is expected to attract a wide range of participants from government agencies, relevant international organizations, universities, research organizations, space companies, the media and the general public. In general, contributions regarding all aspects of recent developments in air and space technologies are welcome. Papers may fall under, but not be limited to the following topics.

TOPICS

The main topics include, but are not limited to:

- Space resources and asteroid mining
- Space weather, microgravity and plasma simulation
- Aerospace system softwares
- Aerospace materials and manufacturing processes
- Spacecraft and space mission architecture and subsystems
- Aerospace education and training
- Manned space missions
- Alternative aircraft/spacecraft power and propulsion systems
- Occupation in space
- Social and environmental aspects of aerospace
- Air and space traffic
- Unmanned aerial systems
- Swarm systems and technologies
- Autonomous and robotic systems
- Missile and rocket systems
- Aerodynamics, CFD and heat transfer issues
- ADCS, GNSS and avionics systems
- Defensive and offensive capabilities
- Design, construction, maintenance and certification
- Optical systems
- Remote sensing and photogrammetry
- Artificial Intelligence (AI) / Machine Learning (ML) in aerospace
- Electronic warfare theory and applications
- Autonomous and semi-autonomous weapons
- Cyberwarfare theory and applications
- Potential military uses of cyber attacks
- Counter-terrorism security policies, procedures and legislation
- Electromagnetic spectrum management
- Signal processing in aerospace

PAPER SUBMISSION

- Papers should be submitted electronically through the following web page www.rast.org.tr/submission
- Prospective authors must electronically submit a full paper (6 pages, including figures).
- All papers will receive peer-review; authors will receive timely notification of paper acceptance.
- All accepted papers will be published in the conference proceedings, which will be available at the time of the conference.
- Presented papers will be recommended for publication in **IEEE Xplore, Scopus and Web of Science (THOMSON REUTERS Conference Proceedings Citation Index)**.
- As the previous RASTs, after the conference, the extended and enhanced versions of the selected papers will be considered for publication in the **Journal of Aeronautics and Space Technologies** (<https://jast.hho.msu.edu.tr/index.php/JAST>).
- Student paper competition is planned. The winner will be rewarded with a certificate of honor and honorarium.
- Participants of the conference are encouraged to organize special sessions (4-6 papers) in a particular area within the conference theme. For details, please visit the web page.

IMPORTANT DATES

Submission Opening	December 5, 2022
Deadline of Special Session Proposals	February 20, 2023
Deadline for Submission	March 20, 2023
Notification of Acceptance	May 2, 2023
Deadline for Registration	May 12, 2023
Announcement of the Program	May 22, 2023

CONTACTS

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