CoMEA 2026

2026年6月26-28日 | 中国·西安

2026年第二届航空航天机械工程国际会议

2026 2nd International Conference of Mechanical Engineering on Aerospace

Conference Overview

2026 2nd International Conference of Mechanical Engineering on Aerospace (CoMEA 2026) is organized by **Northwestern Polytechnical University**, co-organized by **School of Astronautics NPU, Northwestern Polytechnical University**, and technically sponsored by **IEEE Xi'an Section** which is scheduled to be held in **Xi'an, China** on **June 26-28, 2026**. It encourages open sharing and discussion among global participants, fostering the exchange of emerging technologies in the greening, unmanned, electrification, and intelligence of aerospace mechanical engineering.

In the face of new-age challenges, the mechanical engineering on aerospace is evolving towards high-end, intelligent, and green directions. The scientists, experts and scholars in this field have been at the forefront of innovation, achieving significant outcomes in areas such as aerospace propulsion, lightweight electric aircraft, hydrogen aviation technology, assisted driving, autonomous flight control, and intelligent avionics systems.

The conference schedule will be three days including keynote sessions, parallel sessions, special sessions, presentations, and networking events. We hope all participants will enjoy the fascinating sceneries and cultural heritage during their three-day stay.

Call for Papers

Please visit: **www.co-mea.org/call_for_paper.html** for more information.

The topics of interest include, but are not limited to:

- Aerospace Propulsion
- Aerodynamics, Fluid Dynamics, and Aeroacoustics
- Aerospace Design, Manufacturing, and Maintenance
- Air-Breathing and Rocket Propulsion
- Combustion and Reactive Flows
- Computational Fluid Dynamics
- Flight Mechanics, Performance, Modelling, and Simulation
- Guidance, Navigation, and Control
- Intelligent Control
- Mechanical Engineering
- Robotics, Mobile Platforms, Unmanned Vehicles
- Thermal Engineering

Publication

Registered and presented full papers will be included in the CoMEA 2026 digital conference proceedings and submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.

Compendex on Engineering Village Scopus

Accepted and selected extended papers can be recommended to publish in the following journal: ***International Journal of Vehicle Systems Modelling and Testing*** **(ISSN: 1745-6444)**.

Key Dates

Abstract Submission Due: February 19, 2026

Full Paper Submission Due: March 4, 2026

Author Notification Due: April 4, 2026

Registration Due: May 4, 2026

Camera-ready Submission Due: May 18, 2026

Main Conference: June 26-28, 2026

Submission Guidelines

1. Manuscripts submitted to the conference should be written in English only.
2. Manuscripts submitted to the conference should follow the template provided.
3. Manuscripts can be submitted in Doc, Docx and PDF format.
4. Oral or Poster presentations should be nominated while submitting an abstract.
5. The ordinary length is suggested no less than 5 pages, including all figures, tables, references, and appendices. If the paper exceeds 5 pages, the additional pages will be charged at the time of registration.

For paper template, please visit: **www.co-mea.org/submission_guideline.html**.

Online submission system: **https://cmt3.research.microsoft.com/CoMEA2026**

Special Sessions

Session I : Flight Dynamics, Planning and Control

Session II : Modeling and Simulation of Solid Rocket Motors and Propellants

Session III: Transdielectric Dynamics and Applications

Session IV : Intelligent Design Optimization of Aerospace Mechanical Structures

Session V : Industrial Vision-based Measurement Technologies and Applications

Session VI : Aerospace Structural Measurement and Control

Session VII: Functional Polymers and Composites

Session VIII : Detonation Combustion and Propulsion Technology

Session IX : Vibration/Noise Control and Applications

Session X : Dynamic and Control of Spacecraft

Session XI : Innovations in Compressible Multiphase Flows: Modeling, Simulation, and Applications

Session XII : Hypersonic Design Technology

Session XIII : Lightweight and Multi-functional Composite Structures

Session XIV : New Aeronautics and Astronautics Propulsion and Combined-cycle Propulsion Technologies

Session XV : Navigation, Guidance and Control

Session XVI : Multi-scale Simulation of Polymer-based Nanocomposites in the Aerospace Field

Session XVII : Smart Materials and Structural Design

Session XVIII : Intelligent Perception and Planning of Unmanned Aerospace Systems

Session XIX : Multi-scale and Multi-physics Modelling of Aerospace Composite Materials and Structures

Session XX : Guidance and Intelligent Control of Cross-domain/Trans-media Morphing Aircraft

Session XXI : Aerothermodynamics of Advanced Aero-Engines

Session XXII : Aerodynamics and Flight Mechanics of Low Altitude Aircraft

Contact Us

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