

## ABOUT THE SYMPOSIUM

FLUTE 2025 is an international peer-reviewed academic symposium. It provides a forum for high-quality academic papers in order to promote rapid communication and exchange between researchers, scientists, and engineers in the field of fluid and thermal engineering. It publishes original research articles, review articles, and feature articles.

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Foundation

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## REGISTRATION FEE (\*Including GST)

Category	Indian	Foreigners
❖ Students (UG/PG) and	4500 INR	120 USD
❖ Research Scholar (Ph.D./JRF/SRF/RA etc.)	4500 INR	140 USD
❖ Faculty from academic institution	7500 INR	160 USD
❖ Researchers from Industry	1000 INR	180 USD
❖ Listener without a paper presentation:	1500 INR	25 USD

## PLENARY/ KEYNOTE SPEAKERS:

- **Prof. Gaurav Tomar**, Professor Department of Mechanical Engineering Indian Institute of Science- Bangalore India
- **Prof. Atul Srivastava**, Professor Department of Mechanical Engineering Indian Institute of Technology- Bombay India
- **Prof. Sumon Saha**, Professor Department of Mechanical Engineering BUET, Dhaka
- **Prof. Chaobin DANG**, Professor Graduate School of Engineering University of Fukui Fukui- Japan
- **Prof. K. M. Singh**, Professor Department of Mechanical and Industrial Engineering Indian Institute of Technology- Roorkee India
- **Prof. Malay Kumar Das**, Professor Department of Mechanical Engineering Indian Institute of Technology- Kanpur India
- **Dr. Elizaveta Gatapova**, Russian Academy of Sciences, Russia
- **Dr. Ankur Gupta**, Associate Professor Department of Mechanical Engineering Indian Institute of Technology- Jodhpur India
- **Dr. Gaurav Bhutani**, Assistant Professor School of Mechanical and Materials Engineering Indian Institute of Technology-Mandi India
- **Dr. Maneesh Punetha**, Assistant Professor Department of Mechanical Sciences Indian Institute of Technology- Bhubaneswar India
- **Dr. V. Sajith**, Professor, Materials Science and Engineering, NIT-Calicut
- **Dr. Deepak Kumar Agarwal**, Liquid Propulsion Systems Centre, Valiamala, ISRO
- **Dr. Pranab K. Mondal**, Associate Professor- Department of Mechanical Engineering, Indian Institute of Technology- Guwahati, India
- **Dr. Simhachala Rao**, Scientist/Engineer 'SG', Heat Pipe Section, Thermal Systems Group, URSC (ISRO)
- **Dr. Anish Kumar**, Assistant Professor, Department of Aerospace Engineering, IIST (under Department of Space)
- And many more.....

## CONTACT DETAILS

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FLUTE 2025 Website: [amity.edu/flute2025/](http://amity.edu/flute2025/)

Departmental Website: [amity.edu/aset/departments-mac.asp](http://amity.edu/aset/departments-mac.asp)



AMITY UNIVERSITY  
UTTAR PRADESH

FLUTE-2025

3<sup>rd</sup> Biennial International Symposium on  
“Fluids and Thermal Engineering”  
(FLUTE - 2025)

**Theme: Innovations and Future Directions  
in Renewable Energy Harvesting and  
Sustainable Thermal Systems.**

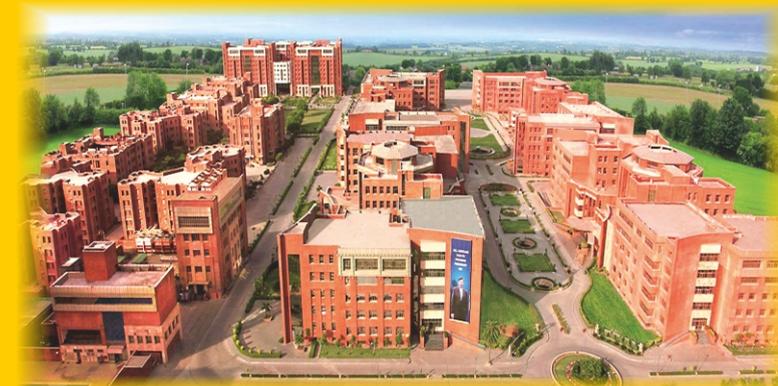
**August 7<sup>th</sup> to 8<sup>th</sup> August 2025**

ORGANISED BY

Department of Mechanical Engineering  
Amity School of Engineering and Technology  
Amity University Uttar Pradesh, Noida

-:Venue:-

**Amity University**  
Sector-125, Noida, Uttar Pradesh



In Association With



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ENERGY QUIPSYS

## Topics Covered

- \* Solar, wind, and wave energy systems
- \* Emerging technologies for geothermal and hydroelectric power
- \* Thermal energy storage systems
- \* Fuel cells and advanced combustion systems
- \* Biomass and waste-to-energy technologies
- \* Biofuels, hydrogen, and synthetic fuels
- \* Life cycle assessment of renewable energy technologies
- \* Carbon capture, utilization, and storage (CCUS)
- \* Pathways to net-zero energy buildings and systems
- \* Decarbonizing the industrial and power sectors
- \* Cogeneration and trigeneration systems
- \* Multiphase flows in thermal and fluid systems
- \* Computational fluid dynamics (CFD) for energy applications
- \* Smart grids and demand-side energy management
- \* Energy storage systems (electrical, mechanical and chemical)
- \* Role of AI and machine learning in energy optimization
- \* Advanced Functional materials for energy harvesting
- \* Bioenergy conversion technologies
- \* Hydrogen production methods
- \* Desalination and water purification processes
- \* Solar-driven systems
- \* Computational Technique for Energy Application

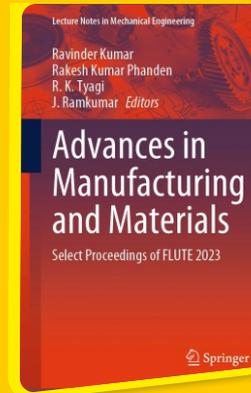
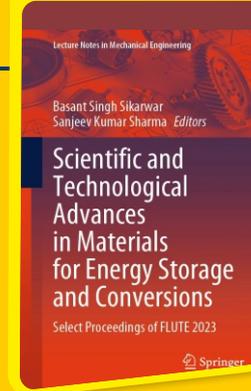
## PUBLICATION

All the accepted and presented papers will be indexed in the SCOPUS database.

Selected and extended versions of papers will be published as Special Issue in Scopus/SCI/ESCI Indexed international journal of repute.

- International Journal of Vehicle Structures and Systems
- Advances in Mechanical Engineering (SAGE)
- FME Transactions
- Many more in progress...

Registration is necessary for the manuscript to appear in the proceeding.



## SPECIAL SESSIONS

- Session 1 : Cooling Technology by ISRO experts
- Session 2 : Latest Research in Defence Applications by DRDO experts
- Session 3 : Renewable Energy and Its Applications for Energy Storage by IIT experts

## CALL FOR PAPERS

### Submit Full-Length Paper

**Submission Platform:** Authors are required to submit full-length papers online using the Microsoft CMT platform.

**Account Registration:** To access the submission portal, authors must register an account with Microsoft CMT using a valid email address. If an account already exists, authors can log in directly.

**Submission Link:** A direct link to the CMT platform will be provided on the official FLUTE 2025 website. Please follow the link to access the submission portal.

<https://cmt3.research.microsoft.com/FLUTE2025/>

**Guidelines for Submission:** Ensure the manuscript complies with the Submission Guidelines outlined for FLUTE 2025 before uploading.

Use the latest version of the paper to avoid submission errors.

**Support:** For assistance with the Microsoft CMT platform or submission-related queries, please contact the FLUTE 2025 technical support team at [flute@amity.edu](mailto:flute@amity.edu)



## IMPORTANT DATES

- Deadline for Full Paper Submission  
✓ 30<sup>th</sup> May 2025
- Notification of Paper Acceptance/Rejection  
✓ 20<sup>th</sup> June 2025
- Deadline for Camera-Ready Paper Submission  
✓ 01<sup>st</sup> July 2025
- Early Registration Deadline  
✓ 30<sup>th</sup> June 2025
- Conference: August 7<sup>th</sup> to 8<sup>th</sup> August 2025



## TECHNICAL PARTNERS

