



ARTH-2025

National Conference on Advances in Reactor Thermal-Hydraulics (ARTH)

January 09-11, 2025

DAE Convention Centre, Anushaktinagar, Mumbai-400094, INDIA



Objective

National conference on **Advances in Reactor Thermal Hydraulics (ARTH)** is being organized by BARC in collaboration with NPCIL, AERB and IGCAR at DAE Convention Centre Anushaktinagar, Mumbai 400094 during **January 9 to 11, 2025**.

The purpose of the conference is to provide a platform for detailed presentations and technical discussions leading to exchange of information in latest advances in Thermal Hydraulics. In addition, it will identify the R&D needs and gap areas to assess the future requirements in this field. The proceedings of the conference will comprise of invited talks and key note lecturers by experts. Participants are encouraged to contribute papers for poster sessions.

Scope

- ❖ Fundamental thermal hydraulics
- ❖ Application of CFD for reactor systems
- ❖ Advances in thermal hydraulic modeling and experiments
- ❖ Containment thermal hydraulics
- ❖ Transient & accident analysis
- ❖ Severe accidents studies
- ❖ Thermal Hydraulics of Liquid Metal and Molten Salt
- ❖ Multi-physics, Multi-scale and multiphase simulations
- ❖ Regulatory requirements and operating experiences
- ❖ Flow visualization and advanced measurement techniques
- ❖ Process equipment for heat transfer and fluid flow
- ❖ Advanced Reactor Systems (HTGCR, MSR, Fusion, ADS etc.)

Organizing Committee

- Chairperson:**
S. K. Sinha, BARC
- Co-Chairperson:**
S. Hajela, NPCIL
- Convener:**
Dr. D.K. Chandraker, BARC
- Co-convener:**
Utkarsh C., AERB
- Organising Secretary:**
Dr. S. V. Prasad, BARC
- Joint Secretary:**
Sanjeev Sharma, NPCIL
- Treasurer:**
DK Nathani, BARC

IMPORTANT DATES

- Extended Abstract submission:**
15th Nov, 2024
- Review and Acceptance of Extended Abstract:**
25th November, 2024
- Registration**
Up to 10th December, 2024
email: paper_arth@barc.gov.in

CONTACT

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Dr. S.V. Prasad, Organising Secretary, ARTH-2025, Phone 91-22-25591533
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Website: <https://sites.google.com/view/arth2025/>

VENUE

**DAE-Convention Centre
Anushaktinagar,
Mumbai - 400094**

REGISTRATION FEE

Students	Rs 2000/-
Academic/Research Institutes	Rs 8000/-
Industries	Rs 25000/-
DAE (Supported by BRNS)	NIL

