



20th December, Forenoon (9 AM - 12.30 PM)

Session 1: Energy and Environmental Systems

Session Chair: Prof. Pramod Kumar (IISc Bangalore)

Zoom Link: <https://us02web.zoom.us/j/82741167934?pwd=RFFBQklwNktPdXpPKzluUEJQL1ZkUT09>

Note: Only Session Chair and Presenting Author of the listed papers should join using Zoom Link. Other Registrants should join as audience through conference web portal.

| Paper No | Author(s) | Title | Affiliation | Time |
|---|--|--|--|--------------------|
| 617 | Syed Jiaul Hoque, Pramod Kumar and Pradip Dutta | Concentrating Solar Powered Transcritical CO ₂ Power Generation Cycle for the Union Territory of Ladakh, India | Indian Institute of Science Bangalore | 10.15 - 10.30 AM |
| 618 | Vikas Gaur and Dr. Surendra Kumar Singh | NUMERICAL INVESTIGATION ON MELTING AND HEAT TRANSFER CHARACTERISTICS OF PHASE CHANGE MATERIAL IN A PARALLELOGRAM ENCLOSURE | M.B.M. Engg. College, J. N. V. University, Jodhpur | 10.30 - 10.45 AM |
| 622 | Prahar Sarkar, Gourab Banerjee, Pranibesh Mandal, Sourav Sarkar, Achintya Mukhopadhyay and Swarnendu Sen | COOLING CHARACTERISTICS OF AIR JET IMPINGING ON A ROTATING CIRCULAR DISK | Jadavpur University | 10.45 - 11.00 AM |
| 625 | Jaykumar Joshi, Pawan Sharma, Akhalesh Sharma and Santosh Kumar Sahu | Effect of Elliptical Nozzle Geometry on a Heat Transfer Characteristics of a Concave Surface | IIT INDORE | 11 - 11.15 AM |
| 629 | Venu Madhav Hanumanthugari, Sujita Srichandana Dey, Venkata Raghavendra and Pramod Kumar | CFD Simulations of a PCM coupled heat pipe with thermal enhancers | IISc Bangalore, ISRO Bangalore | 11.15 - 11.30 AM |
| 635 | Bibhu Bhusan Sha, Rajiva Lochan Mohanty and Mihir Kumar Das | Thermo-hydraulics performance of isothermally heated tube composed of flat and circular surface | IIT BHUBANESWAR | 11.30 - 11.45 AM |
| 641 | Juri Sonowal, Muthukumar Palanisamy and Dr. Anandalakshmi R. | Comparative Study of Different Tube Geometry of Evacuated Tube Solar Collector | IIT Guwahati | 11.45 - 12.00 PM |
| 642 | Deepak Kumar, Aditya Kumar and Sudhakar Subudhi | Magnetohydrodynamic Natural Convection in an Enclosure Filled with Fe ₃ O ₄ /H ₂ O Nanofluid Containing an Electronic Component | NIT Uttarakhand | 12.00 - 12.15 PM |
| 645 | Pradeep Kumar Singh, Jaykumar Joshi and Santosh Kumar Sahu | Experimental investigation to identify the effect of thin metal foam on heat transfer characteristics of a heated plate | IIT INDORE | 12.15- 12.30 PM |
| Keynote Talk 17: Prof. John Bischof (University of Minnesota, USA) Title: Bioheat Transfer and Biopreservation | | | | 9 – 9.45 AM |

Note: All times are Indian Standard Time (IST)