



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

**Session 2: Energy and Environmental Systems**

**Session Chair: Prof. Atul Shrivastava (IIT Bombay)**

Zoom Link: <https://us02web.zoom.us/j/85801574323?pwd=SDdOcWozRjcvQnJtM0lHM3ptOGNIUT09>

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
651	Amit Arora	Effect of Geometric design of Longitudinal Vortex Generators on thermal augmentation in a fin-and-tube heat exchanger	National Institute of Technology Jaipur	10.15 - 10.30 AM
659	Sharanjit Singh, Chandan Nashine and Manmohan Pandey	A Numerical Study of Transient Characteristics of Miniature Loop Heat Pipes	Indian Institute of Technology Guwahati	10.30 - 10.45 AM
663	Chandan Mukherjee and Sudipto Mukhopadhyay	Numerical Design of an Experimental Rig for Assessment of Thermal Insulation	Indian Institute of Technology Jodhpur	10.45 - 11.00 AM
664	Avanish Anand, Rohit Kumar and Manmohan Pandey	Numerical Simulation of a Compact Miniature Parallel Channel Heat Sink for Electronic Cooling	Indian Institute of Technology Guwahati	11 - 11.15 AM
670	Disha Dewangan and Jasinta Poonam Ekka	Hybrid Power System: A Clean Renewable Energy Resource for the Development of Rural Areas in India	GGV, Bilaspur	11.15 - 11.30 AM
675	Mithun Srivan M M, Keerthi Varman H and Sri Hari Vikram T	Performance enhancement investigations in a solar parabolic trough collector using vortex generators	Anna University, Chennai, SASTRA University Thanjavur	11.30 - 11.45 AM
695	Subramanya, D W Tijare, Neeraj K Satya, Akimaradi B S, Thamizh Selvan, Santram, V Jaikumar, Tanneru Goutam and Alok Shrivatsav	Performance of passive radiant cooler of IMAGER payload through seven year designed mission life of a meteorological spacecraft	U R Rao Satellite Centre Bengaluru	11.45 - 12.00 PM
703	Govind Maurya, Suneet Singh and Lalit Kumar	Stability of Rayleigh-Benard Convection in Trapezoidal Cavities	Indian Institute of Technology Bombay	12.00 - 12.15 PM
715	Sourabh Karmarkar, Reji Joseph and Vijayakumar G	Mathematical Model of Rapid Depressurization of a High-Pressure Gas Bottle and Estimation of Residual Gas	LPSC ISRO	12.15 - 12.30 PM
<b>Keynote Talk 18: Prof. Ravi Prasher (UC Berkeley, USA)</b> <b>Title: Dynamic and Tunable Thermal Storage and Transport</b>				<b>9 – 9.45 AM</b>

Note: All times are Indian Standard Time (IST)