



# Symposium on Advances in Heat Transfer and Thermal Energy Systems

In honour of the distinguished career of

**Prof. Pradip Dutta**

Professor, Department of Mechanical Engineering and Interdisciplinary Centre for Energy Research (ICER), IISc

**DATE** Saturday, 11 July 2026

**VENUE** A.R. Auditorium, Dept. of ME, IISc

## Programme Schedule

TIME	SESSION	PROGRAMME DETAILS
9:30 – 10:30	Inauguration	Welcome Address - Chair, Department of Mechanical Engineering, IISc Inaugural Address - Prof. Satyam Suwas, Dean, Mechanical Sciences Division, IISc Inaugural Address - Prof. Navakanta Bhat, Dean, Interdisciplinary Sciences Division, IISc
10:30 – 11:30	Technical Session 1	<b>Prof. Suman Chakraborty</b> - Transport Phenomena Without Boundaries: From Materials to Life <b>Dr. Abhijit Avinash Adoni</b> - Role of Heat Transport and Heat Storage Devices in Spacecraft TCS <b>Prof. Gandham Phanikumar</b> - Thermal simulations in Integrated Computational Materials Engineering
11:30 – 11:50	<i>Tea Break</i>	
11:50 – 12:50	Technical Session 2	<b>Prof. Shyamprasad Karagadde</b> - Evolving multimaterial interfaces using volume fractions <b>Dr. Diptimayee Samantaray</b> - Structural Materials Development for Indian Fast Reactor and Advanced Ultra Super Critical Power Plants <b>Dr. Kali Charan Nayak</b> : Thermal Challenges in Advanced Gas Turbine Engines
13:00 – 14:00	<i>Lunch Break</i>	
14:00 – 15:20	Technical Session 3	<b>Prof. Anirban Bhattacharya</b> - Pore-scale modelling of phase change in porous foam based structures <b>Mr. Harish Jagadish</b> - Thermal Management of Electronic packages in the Compute Industry <b>Special Address - Prof. Pradip Dutta</b>
15:20 – 15:40	<i>Tea Break</i>	
15:40 – 18:00	Reminiscences	Sharing memories and experiences with Prof. Dutta