

Day 1 September 4, 2025 Two-Day Symposium on Advances in Thermo Fluid Sciences IIT Guwahati	
9.00 AM	Inaugural Function
Session 1: Session Chair Prof. Gaurav Tomar, IISc Bangalore	
9:30 AM - 10:00 AM	Keynote Talk 1: Prof. Sanjay Mittal, IIT Kanpur Title: <i>"Streamwise vortices and cellular shedding on a finite wing at low Reynolds number"</i>
10:00 AM - 10:30 AM	Keynote Talk 2: Prof. Ashis Kumar Sen, IIT Madras Title: <i>"Tunable patterning of bioparticles in ultrasonically oscillating microcavities"</i>
10:30 AM - 11:00 AM	Keynote Talk 3: Prof. Kirti Chandra Sahu, IIT Hyderabad Title: <i>"Evaporation of a freely floating droplet in an airstream: effects of temperature, humidity, and shape oscillations"</i>
11:00 AM - 11:30 AM	Photo Session and Tea Break
Session 2: Session Chair Prof. Sandip Sarkar, Jadavpur University	
11:30 AM - 12:00 Noon	Keynote Talk 4: Prof. Suvanjan Bhattacharyya, BITS Pilani, Pilani Title: <i>"Thermohydraulic Performance Analysis of Circular Tubes in the Laminar–Transitional Flow Regime"</i>
12:00 Noon - 12:30 PM	Keynote Talk 5: Prof. Abhishek Kundu, MNNIT Allahabad Title: <i>"Higher -order accurate numerical solver for compressible flow problems"</i>
12:30 PM - 1:00 PM	Keynote Talk 6: Prof. Suman Chakraborty, IIT Kharagpur Title: <i>"Microfluidics for Human Health"</i>
1:00 PM - 2:15 PM	Lunch Break
Session 3: Session Chair Prof. K Arul Prakash, IIT Madras	
2:15 PM - 2:45 PM	Keynote Talk 7: Prof. Abhiram Hens, NIT Durgapur Title: <i>"Heat transfer during Droplet and Bubble Dynamics at Molecular Scale"</i>
2:45 PM - 3:15 PM	Keynote Talk 8: Prof. Yogesh G. Bhumkar, IIT Bhubaneswar Title: <i>"Development and Deployment of Autonomous Surface and Subsurface Vehicles for Environmental and Strategic Applications"</i>
3:15 PM - 4:00 PM	Tea Break and Poster Session
Session 4: Session Chair Prof Sukumar Pati, NIT Silchar	
4:00 PM - 4:30 PM	Keynote Talk 9: Dr. Nagahanumaiah, CMTI Bengaluru Title: <i>"Engineering Smart Machines and Factory Automation Tools in India"</i>
4:30 PM - 5:00 PM	Keynote Talk 10: Prof. Raj P. Chhabra, Shiv Nadar University Title: <i>"Research as a career: Some personal reflections"</i>