

# MRSI-ICEM 2025

Thursday, December 18, 2025

Parallel session - V

**Symposium- H (Venue-LH1)**

Session Chair: Tapan Mishra, NISER Bhubaneswar

2:30 PM - 2:55 PM	Invited Talk	IT-H05: <b>Sridhar Sahu</b> <b>IIT(ISM)-Dhanbad, IN</b>	Functionalized Porous 2D COFs and Macrocyclic Compounds: From Hydrogen Storage to Li-ion Batteries
2:55 PM - 3:20 PM	Invited Talk	IT-H06 : <b>Debashis Bandyopadhyay</b> <b>BITS-Pilani, IN</b>	Unveiling newly modelled Janus Nb <sub>2</sub> COS MXene as a Promising Anode for Alkali Metal-Ion Batteries: A DFT Investigation
3:20 PM - 3:32 PM	Contributory Talk	CT-H03: <b>Kunchanapalli Ramya,</b> <b>SRM AP, IN</b>	Computational Insights into Biomarker Adsorption on Functionalized Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes for Neurodegenerative Disease Sensing
3:33 PM - 3:45 PM	Contributory Talk	CT-H04: <b>Nilakantha Tripathy,</b> <b>IIT Ropar, IN</b>	Harnessing Ferroelectricity for Multifunctional 2D Materials
3:45 PM - 4:10 PM	Tea break (Venue - Library foyer)		

Parallel session - V

**Symposium- H (Venue-LH1)**

Session Chair: Ashis Kumar Nandy, NISER Bhubaneswar

4:10 PM - 4:35 PM	Invited Talk	IT-H07 : <b>Abir De Sarkar</b> <b>INST, Mohali, IN</b>	Insights into Inversion Symmetry Breaking in 2D Materials: Piezoelectricity and Spin-Orbitronics
4:35 PM - 5:00 PM	Invited Talk	IT-H08 : <b>Koushik Pal</b> <b>IIT-Kanpur, IN</b>	Leveraging Data-driven Approaches and Density Functional Theory to Accelerate Novel Materials Discovery
5:00 PM - 5:12 PM	Contributory Talk		
5:15 PM - 6:15 PM	Poster ( <b>P:101- P:200</b> ) + Tea (Venue: Library 3rd Floor)		
6:15 PM- 7:30 PM	MRSI-AGM + Award Session (Venue- Auditorium)		
7:30 PM- 9:30 PM	Dinner		

**NOTES:** Invited Talk (25 Mins) ; Contributory Talk(12 Mins) ; P: Poster