

MRSI-ICEM 2025

Saturday, December 20, 2025

Parallel session - I

Symposium- A (Venue-LH4)

Session Chair: Rupesh S Devan, IIT Indore

2:00 PM - 2:25 PM	Invited Talk	IT-A08: Pramoda Kumar Nayak Jain University, IN	Interlayer Excitons and Ultrafast Dynamics in Twisted van der Waals Heterostructures
2:25 PM - 2:37 PM	Contributory Talk	CT-A06: Mousm Charan Sahu UCM Madrid, SP	Mimicking Neural Complexity Leveraging the Metal-Insulator Transition in Rare Earth Nickelates
2:37 PM - 2:50 PM	Contributory Talk	CT-A07: Aparajita Mandal, IOP Bhubaneswar	Experimental Investigation Combined with Physics-Based Modelling of Vacancy-Controlled Switching in V2O5/ITO Memristors
2:50 PM - 3:02 PM	Contributory Talk	CT-A08: Arjun Behera Govt. Aut. College, Sundargarh, IN	Oxygen vacancy mediated Z-Scheme charge transfer in Mixed Phase TiO 2 @B doped g-C_3N_4 Heterojunction for Photocatalytic degradation of Antibiotics
3:02 PM - 3:14 PM	Contributory Talk	CT-A09: Koteswar Rao Peta Uni. of Delhi, South Campus , IN	Synthesis Strategies of Various Zinc Oxide Nanostructures and Their Potential Applications
3:14 PM - 3:26 PM	Contributory Talk	CT-A10: Ashutosh Thakur CSIR-NEIST, Jorhat, IN	Solid-State Phosphors from Coal-Derived Carbon Quantum Dots for White-Light-Emitting Devices
3:30 PM - 3:45 PM	Tea break (Venue - Library foyer)		
4:00 PM - 5:00 PM	Valedictory; Poster Awards, and Closing Ceremony		
7:00 PM - 9:00 PM	Dinner		
	NOTES: Invited Talk (25 Mins) ; Contributory Talk(12 Mins) ; P: Poster		