Conference on 2D Materials (2dMAT 2026)

S. N. Bose National Centre for Basic Science
16th-17th March, 2026
Venue: Silver Jubilee Hall

Anusandhan National Research Foundation

Day 1: 16th March, 2026		
9:30 – 10:00	Registration	
Session 1: Chairperson: Saquib Shamim, S. N. Bose Centre		
10:00 – 10:30	Chandan Kumar *IISc Bangalore*	Probing Phonon Modes in Reconstructed twisted Homo and Hetero Bilayer System
10:30 – 11:00	Nitesh Kumar *S. N. Bose Centre*	On the magnetism and magnetotransport properties of ferromagnetic kagome compound $MgMn_6Sn_6$
11:00 – 11:30	Tea Break	
Session 2: Chairperson: Samik Dattagupta, SINP		
11:30 – 12:00	Soumya Bera *IIT Bombay*	Band-center metal-insulator transition in disordered bipartite lattices
12:00 – 12:30	Prasana Sahoo *IIT Kharagpur*	2D Heterostructures for Reconfigurable Optoelectronic Devices
12:30 – 15:45	Lunch + Poster Session (At Basundhara dinning Hall)	
15:45 – 16:00	Tea Break	
Session 3: Chairperson: Biswajit Karmakar, SINP		
16:00 – 16:30 pm	Tanusri Saha-Dasgupta *S. N. Bose Centre*	Unconventional Superconductivity @ 2D Limit: A Tale of Two Stories
16:30 – 17:00	Saquib Shamim *S. N. Bose Centre*	Non-Gaussian conductance fluctuations across the BKT transition in FeSe thin films
17:00 – 17:30	Rajeev Kini *IISER TVM*	Emergence of interlayer hybrid Moire Trions in the MoWSe_2/MoSe_2 heterostructure

Day 2: 17th March, 2026		
Session 1: Chairperson: Nitesh Kumar, S. N. Bose Centre		
9:30 – 10:00	Registration	
10:00 – 10:30	Vidya Kochat *IIT Kharagpur*	Skyrmions in twisted bilayer graphene
10:30 – 11:00	Manoranjan Kumar *S. N. Bose Centre*	Quantum Ground States of Coupled Spin Dimers on a Shastry–Sutherland Lattice
11:00 – 11:30	Tea Break	
Session 2: Chairperson: Debnarayan Jana, Calcutta University		
11:30 – 12:00	Sajal Dhara *IIT Kharagpur*	Anisotropic Exciton–Polaritons in Two-Dimensional Materials: A Route to Non-Hermitian Topology

12:00 – 12:30	T. Setti *S. N. Bose Centre*	Electronic Band Structure of Topological Transition Metal Dichalcogenides
12:30 – 14:00	Lunch (At Basundhara dinning Hall)	
Session 3: Chairperson: Anjan Barman, S. N. Bose Centre		
14:00 – 14:30	Subhadeep Dutta *IACS*	Turning Sound into Charge: Ultrasound-Enabled Piezotransduction
14:30 – 15:00	Vipin Kumar Singh *CGCRI*	In Pursuit of an Elemental Quasicrystal
15:00 – 15:30	Mintu Mondal *IACS*	From 2D to 3D Quantum Spin Hall Insulators via Intrinsic Layer Stacking
15:30 – 16:00	Tea Break	
Session 4: Chairperson: Achintya Singha, Bose Institute		
16:00 – 16:30	Barun Ghosh *S. N. Bose Centre*	Quantum Geometry and Dynamical Axion in antiferromagnetic topological insulator $MnBi_2Te_4$
16:30 – 17:00	Swarup Deb *SINP*	Excitonic Signature of 2D Sliding/Interfacial/Moiré Ferroelectrics
17:00 – 17:30	Atindra Nath Pal *S. N. Bose Centre*	Contact engineering and slow defect dynamics in 2D Semiconductor