CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE, KOLKATA – 700 032

COMPUTATIONAL AND DATA-DRIVEN ADVANCED MATERIALS (CDAM)

Date: April 07, 2026
Venue: A.P.C Roy Seminar Hall, CSIR-CGCRI-Kolkata

Time	PROGRAM
Day-1	
Time	**PROGRAM**
08:30 hrs–09:15 hrs	Registration and High Tea
Inaugural Session	
09:15 hrs -09:20 hrs	Ceremonial lighting of a lamp to mark the beginning of an event
09:20 hrs –09:30 hrs	Welcome Address and Setting the Context, Prof. Bikramjit Basu, Director, CSIR-CGCRI and Patron, CDAM 2025
09:30 hrs –09:40 hrs	Introductory Remarks by Guest of Honour, Dr. G. K. Patra, Director, CSIR-4PI, Bangalore
09:40 hrs –09:50 hrs	Introductory Remarks by Chief Guest, Prof. Tanusri Saha Dasgupta, Director, SNBNCBS, Kolkata
09:50 hrs –09:55 hrs	Vote of thanks
09:55 hrs –10:00 hrs	Group Photo Session
Technical Session 1	
10:00 hrs –10:30 hrs	Prof. Tanusri Saha Dasgupta, Director, SNBNCBS, Kolkata Title: Intelligent Materials Design & Understanding: ML in action
10:30 hrs –11:00 hrs	Prof. Srikanth Sastry, JNCASR, Bangalore Title: Seeing through glass failure: Prediction of fatigue failure in glasses from damage quantification and machine learning
11.00 hrs –11:30 hrs	Dr. G. K. Patra, Director, CSIR-4PI, Bangalore Title: Becoming a Scientist in the Age of AI: Opportunities in Advanced Materials Research
11:30 hrs –12:00 hrs	**Inauguration of the Computational Materials Section at CSIR-CGCRI** **&** **Tea Break (at K D Sharma Hall)**

Technical Session 2	
12:00 hrs –12:25 hrs	Prof. Priya Mahadevan, SNBNCBS, Kolkata Title: Determining rules for distortions in complex systems – case of hybrid perovskites
12:25 hrs -12:50 hrs	Prof. Suman Chakrabarty, SNBNCBS, Kolkata Title: Navigating Pathways in Free Energy Landscape: Adaptive (Machine) Learning Strategies in Molecular Simulation
12:50 hrs –13:15 hrs	Prof. Sankha Mukherjee, IIT Kharagpur Title: From Configurational Disorder to Anharmonic Lattice Softening: Mechanistic Origins of Superionic Conduction in Ge-Free Sulfide Solid Electrolytes
13:15 hrs –14:30 hrs	**Lunch Break** **(at K D Sharma Hall)**
Workshop Session	
14:30 hrs –15:45 hrs	Hands-on Workshop by Prof. Srikanth Sastry, JNCASR Bangalore Title: Aneesur Rahman and the beginnings of molecular dynamics
15:45 hrs – 16:00 hrs	TEA BREAK
16:00 hrs –17:15 hrs	Hands-on Workshop by Prof. Gautam Anand, IIT- BHU Title: Entropy as a computational design tool for structure-property correlations in materials
17:30 hrs -18:30 hrs	Poster Session & Evaluation

Date: April 08, 2026

Venue: A.P.C Roy Seminar Hall, CSIR-CGCRI-Kolkata

Day-2	
Time	**PROGRAM**
09:15 hrs – 10:00 hrs	**Inauguration of Refurbished Administrative Enclave at CSIR-CGCRI**
Technical session 3	
10:00 hrs –10:30 hrs	Prof. D. D. Sarma, IISc Bangalore Title: Synergy between experiment and theory in materials science: A few examples
10:30 hrs –11:00 hrs	Prof. Partha Pratim Chakrabarti, IIT Kharagpur Title: Artificial Intelligence: The Emerging Face of Modern Scientific Discovery and Technological Innovation

11:00 hrs –11:30 hrs	Prof. Asim Tewari, IIT Bombay Title: TBA
11:30 hrs -12:00 hrs	**Inauguration of the Knowledge Resource Center at CSIR-CGCRI & Tea Break (at K D Sharma Hall)**
	Technical Session 4
12:00 hrs –12:30 hrs	Prof. Smarajit Karmakar, TIFR, Hyderabad Title: Yielding Transition in Amorphous solids: Effect of Fragility
12:30 hrs –13:15 hrs	Panel discussion on "Emerging Computational tools for accelerated discovery of materials"
13:15 hrs –14:15 hrs	**Lunch Break (at K D Sharma Hall)**
	Workshop Session
14:15 hrs –15:30 hrs	Hands-on Workshop by Prof. Asim Tewari, IIT Bombay Title: TBA
15:30 hrs – 15:45 hrs	Tea Break
15:45 hrs –17:00 hrs	Hands-on Workshop by Dr. Bishwajit Ganguly, Former Chief Scientist, CSIR-CSMCRI, Bhavnagar Title: Computational Methods for Exploring Structural and Electronic Effects in Molecules and Materials
	Valedictory session
17:00 hrs –17:10 hrs	Concluding Remarks
17:10 hrs -17:25 hrs	Poster Prize distribution
17:25 hrs -17:30 hrs	Vote of thanks