

DAY 01: 06 FEBRUARY 2025	
Time	Programme
09:00 AM – 10:00 AM	Registration and kit distribution
Inaugural Session	
10:00 AM – 10:10 AM	Ceremonial lighting of a lamp to mark the beginning of an event
10:10 AM – 10:20 AM	Welcome address: Prof. Bikramjit Basu, Director, CSIR-CGCRI and Patron, ETAM 2025
10:20 AM – 10:30 AM	About the conference: Dr. Mrinal Pal, Chair, ETAM 2025
10:30 AM – 10:45 AM	Address by Chief Guest: Prof. Rajeev Ahuja, Director, IIT Ropar
10:45 AM – 10:50 AM	Vote of thanks: Dr. Swastik Mondal, Convenor, ETAM 2025
10:50 AM – 11:20 AM	High Tea
Session 01	
11:20 AM – 12:05 PM	Keynote lecture 01: Prof. Rajeev Ahuja on <i>Computational materials science and its applications in the area of materials for energy.</i>
12:05 PM – 12:35 PM	Invited talk 01: Prof. Kanishka Biswas on <i>Phonon-Glass Electron-Crystal like High Performance Thermoelectrics.</i>
12:35 PM – 12:50 PM	Oral presentation 01: Dr. Ashok Bera on <i>Interface solar steam generation for water-energy-nexus.</i>
12:50 PM – 01:05 PM	Oral presentation 02: Mr. Ashadul Adalder on <i>Magneto-Electrochemical Ammonia Synthesis: Enhancing Nitrite Reduction Efficiency Using Manganese Phthalocyanine Nanostructure.</i>
01:05 PM – 02:00 PM	Lunch
Session 02	
02:00 PM – 02:45 PM	Keynote lecture 02: Prof. Arindam Ghosh on <i>Designing Functional Emergence with Interfaces.</i>
02:45 PM – 03:15 PM	Invited talk 02: Prof. Sukhendu Mandal on <i>Cluster-Assembled Materials: Properties beyond their Cluster Unit.</i>
03:15 PM – 03:30 PM	Oral presentation 03: Dr. Monal Dutta on <i>Applications of Smart Materials and Sensors an Emerging Trend.</i>
03:30 PM – 03:45 PM	Tea
Session 03	
03:45 PM – 04:30 PM	Keynote lecture 03: Dr. Somnath Bandyopadhyay on <i>Specialty Optical Glass Fiber and fiber based Sensors and Lasers.</i>
04:30 PM – 05:00 PM	Invited talk 03: Dr. Uttam Kumar Ghorai on <i>Electrochemical synthesis of N-based products (green ammonia, green urea & nitric acid) using metal phthalocyanine nanostructures: Fundamental-to-Pilot scale demonstration.</i>
Session 04	
05:00 PM – 05:30 PM	Meet the Scientific Leaders: Meeting with Participants and distinguished Scientists.
05:30 PM – 08:00 PM	Poster Presentations
08:00 PM – 09:30 PM	Dinner

DAY 02: 07 FEBRUARY 2025

Time	Programme
09:45 AM – 10:00 AM	Tea
Session 05	
10:00 AM – 10:45 AM	Keynote lecture 04: Prof. P.S. Anil Kumar on <i>Introduction to Quantum Materials and Heterostructures</i> .
10:45 AM – 11:15 AM	Invited talk 04: Prof. Somabrata Acharya on <i>Switchable Bulk Photovoltaic Effect in Ferroelectric CsPbBr₃ Perovskite Nanocrystals</i> .
11:15 AM – 11:30 AM	Oral presentation 04: Dr. Manodipan Sahoo on <i>Design and Investigation of Advanced TMD FET Based Biosensors</i> .
11:30 AM – 12:00 PM	High Tea
Session 06	
12:00 PM – 01:00 PM	Platinum Jubilee Distinguished Lecture : Prof. Dipankar Banerjee on <i>GaN: Process, Structure and Properties</i> .
01:00 PM – 01:30 PM	Invited talk 05: Prof. Chacko Jacob on <i>Carbon-based nanomaterials</i> .
01:30 PM – 02:30 PM	Lunch
Session 07	
02:30 PM – 03:15 PM	Keynote lecture 05: Dr. Jayasree R.S. on <i>Atomically Precise Gold Nanoclusters as Excellent Platform for Biomedical Imaging & Therapy</i> .
03:15 PM – 03:45 PM	Invited talk 06: Prof. Jyotsnendu Giri on <i>Biomaterials for Affordable Mass Health Care</i> .
03:45 PM – 04:00 PM	Oral presentation 05: Dr. Upendranath Nandi on <i>Probing the Internal Dynamics of Energy Storage Systems with Electrochemical Impedance Spectroscopy</i> .
04:00 PM – 04:15 PM	Oral presentation 06: Dr. Radharani Das on <i>Synthesis and Characterization of Silica Nano-Particles From Agro-Wastes</i> .
04:15 PM – 04:30 PM	Tea
Valedictory session	
04:30 PM – 04:40 PM	Concluding Remarks by the Chair
04:40 PM – 04:55 PM	Poster Prize distribution
04:55 PM – 05:00 PM	Vote of thanks