36THACM OF MRSI & 7TH INDIAN MRSI-ICEM MATERIALS CONCLAVE &

17 - 20 Dec 2025

Website: https://www.niser.ac.in/events/mrsi2025

INTERNATIONAL CONFERENCE ON EMERGING MATERIALS 2025

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Indian Participants:

- Faculty/Scientists: ₹12,000 Including GST
- Students (UG/PG/Ph.D./PDF): ₹6,000 Including GST Students (UG/PG/Ph.D./PDF): \$150
- Industry Participants: ₹20,000 Including GST
 Industry Participants: \$500

Abroad Participants:

- Faculty/Scientists: \$300

Note:

- MRSI members receive a ₹1,000 discount on the registration fee.
- Fee covers sessions, refreshments, meals, reception & abstract book.
- Pre-conference workshop fee is ₹1,000 (Including GST).
- Industry participants need to arrange their own accommodations.

LOCAL ORGANIZING COMMITTEE

- Chairman: Prof. Kulamani Parida | SOA University, Bhubaneswar (Chairman, MRSI Bhubaneswar Chapter)
- Convener: Dr. Pratap K. Sahoo | NISER Bhubaneswar
- Co-Chairman: Prof. Tapobrata Som | IOP Bhubaneswar
- Co-Convener: Dr. Bishnu P. Biswal | NISER Bhubaneswar (Joint-Secretary, MRSI, Bhubaneswar Chapter)
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- Prof. Sarat Kumar Swain | VSSUT Sambalpur
- Dr. Saroj Kumar Singh | IMMT Bhubaneswar
- Dr. Satyaprakash Sahoo | IOP Bhubaneswar
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- Dr. Tapan Kumar Rout | PS, R&D, TATA Steel Ltd.
- Prof. Udai P Singh | KIIT University, Bhubaneswar
- Prof. Umaprasanna Ojha | IIT Bhubaneswar

CONFERENCE SYMPOSIA A. Electronic and Photonic Materials

- A-1: Wide Bandgap Semiconductors
- A-2: Device and materials design
- A-3: Semiconductor for Photonics/photovoltaics
- A-4: Functional materials for optoelectronics A-5: Optical resonators/devices

B. Quantum Materials

- B-1: Topological material and devices
- B-2: Magnetic & Superconducting materials and devices
- B-3: 2-D materials and devices B-4: Spintronics
- B-5: Skyrmions

universities/colleges. Submit your request to mrsi2025@niser.ac.in to avail it.

C. Energy and Sustainable Materials C-1: Self-power devices

- C-2: Porous Materials(MOFs, COFs, Cages and Zeolites)
- C-3: Perovskite Materials
- C-4: Nuclear Materials C-5: Piezo, Tribo, Pyro, Thermoelectric materials
- D. Applied Soft and Biomaterials
- D-1: Bio-derived materials D-2: Materials for Bio/Medical Applications

Limited Sleeper class / AC-III train fare travel support is available for student participants from state

D-3: Soft Materials Technology
D-4: Flexible and Wearable Materials

E. Advanced Methods in Materials • E-1: Advanced Spectroscopic Techniques

- E-2: Advanced Microscopic techniques E-3: Advanced Scattering and diffraction
- techniques • E-4: Advanced material characterization techniques
- E-5: Advanced device fabrication techniques F. Alloys and Composites
- F-1: Metallurgical alloys
- F-2: Soft alloys
- F-3: Refractory composites
- F-4: High entropy alloys F-5: Polymer composites
- G. Critical and Strategic Materials
- G-1: lon/electron/photon interactions with materials
- G-2: Materials for space and radiation hazards G-3: Materials and techniques for national security
- G-4: Materials from waste and strategic minerals H. Materials Modelling and Simulation C-6: Sustainable Materials for Energy Conversion & Storage
 - H-1: DFT for new materials
 - H-2: First principle calculation

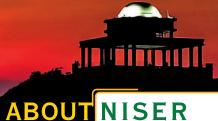
 - H-3: Search for emerging materials
 H-4: Materials modeling methods beyond DFT



The the 36th AGM of MRSI & 7th Indian Materials Conclave and International Conference on Emerging Materials (MRSI-ICEM-2025), will be organized by the National Institute of Science Education and Research (NISER), Bhubaneswar in association with MRSI Bhubaneswar Chapter, IOP Bhubaneswar, IIT Bhubaneswar, CSIR-IMMT Bhubaneswar, IISER Berhampur, SOA University, KIIT <u>Jniversity and Sophotorium Group of Institutes from 17th to 20th December 2025.</u>

A special Pre-Conference workshop (for limited participants) on the topic 'Advanced Materials Characterizations' will be held at IISER Berhampur

We are looking forward to welcoming you to NISER Bhubaneswar - a beautiful campus near the historic Barunei hill, on the eastern coast of the country, within 50 km of the golden beach of Puri and Shri Jagannath Temple. This conference aims to gather the leading researchers, eminent speakers, students, and industry experts, making it an ideal platform for sharing and exchanging scientific knowledge and innovative ideas.



The National Institute of Science Education and Research (NISER), Bhubaneswar, under HBNI and aided by the Department of Atomic Energy (DAE), is a premier institute dedicated to education and research in basic sciences. Established in 2007 and functioning from its 300-acre

Jatni campus since 2015, NISER offers integrated M.Sc., M.Sc.-Ph.D.,

and Ph.D. programs with a strong focus on nurturing scientific talent.

It houses seven schools of sciences, a Centre for Interdisciplinary Sciences, and a Center of Medical and Radiation Physics, promoting front-end basic science research and innovation. NISER also engages in science outreach and policymaking to inspire young minds and support national science initiatives.

















Pathani Samanta Auditorium, NISER Bhubaneswar