

# CONDENSED MATTER DAYS- 2025 (CMDAYS-2025)

## 29-31 October, 2025

### DEPARTMENT OF PHYSICS, VISVA-BHARATI, SANTINIKETAN, WEST BENGAL, 731235, INDIA



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- B. C. Gupta, Visva Bharati University
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- D. K. Mishra, SoA University
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Prof. Probir Kumar Ghosh  
Vice-Chancellor  
Visva-Bharati

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- Prof. Karuna Kar Nanda, Director, IOP Bhubaneswar

#### About the Conference

The Department of Physics, Visva-Bharati is organizing the 33<sup>rd</sup> National Conference "Condensed Matter Days" (CMDAYS-2025). CMDAYS aims to provide a suitable platform for young researchers and scientists to present their works on experimental, theoretical and computational Condensed Matter Physics. In addition to this trend, CMDAYS-2025 includes a wide variety of emerging and interdisciplinary areas of Condensed Matter Physics. The conference is expected to achieve a large gathering of Physics Community with ample thought-provoking ideas, discussions and exchange of ideas that will be helpful in creation of sustained research collaborations.

#### Conference Themes

✧ Dielectrics, Ferroelectrics & Multiferroics; ✧ Disordered Systems, Phase Transitions; ✧ Energy Storage Devices; ✧ Magnetism, Spintronic Systems; ✧ Mesoscopic Phenomena, Junctions; ✧ Nanomaterials, Nanocomposites; ✧ Nonlinear Dynamics; Photonics, Plasmonics; ✧ Photovoltaics; ✧ Optoelectronics Devices; ✧ Photo Catalysis; ✧ Organic, Inorganic, Biomaterials, Sensors; ✧ Semiconductor Materials, Devices; ✧ Soft Condensed Matter Physics; ✧ Strongly Correlated Systems; ✧ Surface, Interface Phenomena; ✧ Superconductivity, Critical Superconductivity, Critical Phenomena; ✧ Thin Films, Devices; ✧ AL and ML for Materials Discovery ✧ Interdisciplinary Topics Relevant to Condensed Matter Systems

#### List of Speakers

- ❖ Prof. Seikh Mohammad Yusuf, Director, UM-DAE Centre for Excellence in Basic Sciences (CEBS)
- ❖ Prof. Tanushree Saha Dasgupta, Director and Senior Professor, S. N. Bose National Centre for Basic Sciences
- ❖ Prof. Prasenjit Sen, Professor (H), HRI, Prayagraj
- ❖ Prof. Saroj Kumar Nayak, Professor, IIT Bhubaneswar
- ❖ Prof. Dipak Kumar Goswami, Professor, IIT Kharagpur
- ❖ Prof. Smarajit Karmakar, Professor, TIFR Hyderabad
- ❖ Prof. Subhradip Ghosh, Professor, IIT Guwahati
- ❖ Prof. Pabitra Kumar Chakrabarti, Professor & Vice Chancellor, Sidho-Kanho-Birsha University
- ❖ Prof. Ranjit Thapa, Professor, SRM University AP, Andhra Pradesh
- ❖ Dr. Prabir Pal, Senior Principal Scientist, CGCRI, Kolkata
- ❖ Dr. Amrita Bhattacharya, Associate Professor, IIT Bombay
- ❖ Dr. Ranjith G. Nair, Associate Professor, NIT Silchar
- ❖ Dr. Anupam Roy, Assistant Professor, BIT Mesra
- ❖ Dr. Rajib Batabyal, Scientist-D, UGC-DAE CSR Indore

#### Accommodation

Participants may directly contact hotels and lodges at Santiniketan to book their accommodation. The Organizers may help you in this regard.

#### Contact Details

Dr. Jagadish Chandra Mahato & Prof. Bikash Chandra Gupta, Convenors, CMDAYS-2025  
Department of Physics, Visva-Bharati, Santiniketan-731235, West Bengal, India  
Email ID: cmdays2025@visva-Bharati.ac.in  
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#### About Visva-Bharati

Visva-Bharati, founded by Rabindranath Tagore in Santiniketan in 1921, is a unique institution that reflects the poet's vision of a holistic, inclusive, and nature-integrated education. Rooted in the ideals of universal humanism, Visva-Bharati – meaning "where the world makes a home in a single nest" – was conceived as a centre for the confluence of Eastern and Western thought, art, and culture. Santiniketan, originally established as an experimental school in 1901, offered an alternative to rote learning by encouraging creativity, freedom, and close interaction with nature. Classes were conducted in the open air under trees, symbolizing the harmony between the learner and the natural world. Over time, it evolved into a university where education, art, science, music, philosophy, and internationalism merged to create a vibrant intellectual and cultural community. Visva-Bharati remains a living embodiment of Tagore's belief that education should nurture the mind, spirit, and senses in equal measure, fostering a deep connection between the individual, society, and the universe. In September 2023, the core area of the university was recognized as a UNESCO world heritage site.

website: <https://sites.google.com/view/cmdays2025/home>

#### Call for Papers

Participants are encouraged to register and submit their abstracts online on or before 15.09.2025 at <https://sites.google.com/view/cmdays2025/home>. The abstract should be of the following format:- A4 size page; MS word or PDF Font: Times New Roman; Title: 16 pt.; Body: 12 pt. with single spacing. Mention affiliation, email address and contact number of the corresponding author. The publication of peer-reviewed full-length articles will depend on the availability of funds from the organizers. Participants opting for peer-reviewed publication may be required to contribute a partial publication charge. Further details will be communicated in due course.

#### Important dates

Abstract Submission Begins	: 15/08/2025
Abstract Submission Closes	: 15/09/2025
Confirmation of Acceptance	: 21/09/2025
Registration Begins	: 21/09/2025
Registration Closes	: 30/09/2025

#### Registration Fees

UG/PG student	: 1500 INR
Research Scholar	: 2500 INR
Postdoc Researcher	: 3500 INR
Faculty/Scientist	: 4500 INR
Industry Personnel	: 5500 INR

Kindly note that registration is required for all the participants

#### Travel support

Partial travel support will be provided to limited participants depending on the availability of funds.

#### Local Organizing Committee

- ❖ Prof. Ashis Bhattacharya, Visva-Bharati
- ❖ Prof. Swapan Mondal, Visva-Bharati
- ❖ Prof. Manas Maity, Visva-Bharati
- ❖ Prof. Tapas kumar Kundu, Visva-Bharati
- ❖ Prof. Pijush Kanti Ghosh, Visva-Bharati
- ❖ Prof. Bikash Chandra Gupta, Visva-Bharati
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- ❖ Dr. Biplob Roy Chowdhury, Visva-Bharati
- ❖ Dr. Aparna Saha, Visva-Bharati
- ❖ Dr. Subhasish Roy, Visva-Bharati
- ❖ Dr. Amitabha Bandyopadhyay, Visva-Bharati
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- ❖ Dr. Arani Chakraborty, Visva-Bharati
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- ❖ Dr. Aditya Saw Mondal, Visva-Bharati

- ❖ Dr. Anagha Chakraborty, Visva-Bharati
- ❖ Mr. Subhas Tudu, Visva-Bharati
- ❖ Dr. Rajkumar Singha, Visva-Bharati
- ❖ Dr. Swarup Kr. Majee, Visva-Bharati
- ❖ Dr. Jagadish Chandra Mahato, Visva-Bharati
- ❖ Dr. Rohit Kumar, Visva-Bharati
- ❖ Dr. Tanmoy Paul, Visva-Bharati
- ❖ Dr. Nabarun Chakraborty, Visva-Bharati