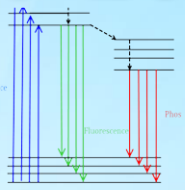
34TH National Conference

Condensed Matter Days-2026

(CMDAYS-2026)



17-19 November 2026

Department of Physics and Astronomy, National Institute of Technology Rourkela

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List of Speakers

- Prof. Praveen Chaddah, UGC-DAE CSR, Indore
- Prof. Rajeev Ranjan, IISc Bangalore
- Prof. S. K. Roy, IIT Kharagpur
- Prof. K. G. Suresh, IIT Bombay
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- Prof. A. Ghosh, Central university of Jharkhand
- Prof. D. K. Mishra, SoA University
- Prof. Bulumoni Kalita, Dibrugarh University
- Prof. Pankaj Dutta, Dibrugarh University

Contact Details

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Chief Patron

Prof. K. Umamaheshwar Rao
Director, NIT Rourkela

Chairperson

Prof. Jyoti Prakash Kar
HOD Physics and Astronomy, NIT Rourkela

About NIT Rourkela

National Institute of Technology (NIT) Rourkela is a prestigious institution of national importance, which is fully funded by the Ministry of Education. The institute is recognized as one of the leading national-level institutions for technical education in India. Its primary objective is to produce highly skilled and competent engineers and scientists through its graduate, post-graduate, and doctoral programs in various branches of Engineering and Science. NIT Rourkela has been ranked 317 in QS Asia University, 13 in NIRF Engineering, 30 in NIRF Research and 34 in NIRF Overall.

Department of Physics and Astronomy at NIT Rourkela was established in 1961. The department is known for providing high-quality education in undergraduate and postgraduate studies, as well as PhD and M.Tech (Research) programs. The department is actively engaged in research activities in the field of low-temperature physics, astrophysics, astronomy, functional material, soft matter and polymer physics, and theoretical physics etc. For further information about the institute, please visit our website at **www.nitrkl.ac.in**

Call for Papers

Prospective authors are encouraged to submit their latest research results in the form of abstracts online to **cmdays2026@nitrkl.ac.in** by **31.08.2026**. Acceptance of the abstract will be notified through email.

The abstract should be of the following format:- A4 size page; MS word or PDF Font: Times New Roman; Title: 16 pt.; Body: 11 pt. with single spacing. Mention affiliation, email address of the corresponding author. For the abstract template and other details see the conference website.

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.

- **CMDAYS-2026 will cover Plenary, Keynote, Invited Talks and Contributory presentations: Oral and Poster .**
- **Awards for Best Poster and Best Oral Presentation will be presented at the conference.**

For more details, please refer the website:
https://cmdays2026.nitrkl.ac.in/

About the Conference

The Department of Physics and Astronomy, NIT Rourkela is organizing the 34th National Conference "Condensed Matter Days" (CMDAYS-2026). 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-2026 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, and Multiferroics;
- Energy Storage Devices;
- Magnetism and Spintronic Systems;
- Nanomaterials and Nanocomposites;
- Semiconductor Materials and Devices;
- Photoluminescence and optical materials;
- Spectroscopic Techniques;
- Photonics and Optoelectronic Devices;
- Photovoltaics and Photocatalysis;
- Superconductivity and Low-T Physics;
- Strongly Correlated Systems;
- Topological Materials;
- Disordered Systems and Phase Transitions;
- Surface, Interfaces and Thin films;
- Quantum Materials and Devices;
- Mesoscopic Phenomena and Junctions;
- Nonlinear Physics;
- Soft Condensed Matter Physics;
- Organic, Inorganic, and Biomaterials, and Sensors;
- AI and ML for Materials Discovery;
- Interdisciplinary Topics Relevant to Condensed Matter Systems

Important Dates

Abstract Submission Begins	:01/08/2026
Abstract Submission Closes	:31/08/2026
Confirmation of Acceptance	:10/09/2026
Registration Begins	:10/09/2026
Registration Closes	:20/09/2026

Registration Fees

UG/PG student	:2000 INR
Research Scholar	:3000 INR
Postdoc Researcher	:4000 INR
Faculty/Scientist	:5000 INR
Industry Personnel	:6000 INR

Accommodation

A limited no of accommodation will be provided on request and on payment basis at student's hostel/Institute guest house located inside the campus. Request for accommodation should be made in advance. The details will be shared in the website. Hotels are also available at reasonable cost around NIT Rourkela.

Local Organizing Committee

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Prof. Nilay Maji (Co-convener)
Prof. Dillip Kumar Pradhan (Secretary)
Prof. Soudamini Sahoo (Treasurer)

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