ANRF Sponsored under CRG-SSR Scheme

Two-Day National Workshop

on

Advanced Semiconductor Materials and Devices Technology

(ASMDT-2026)

Hybrid Mode

February 2-3, 2026

Organized by

Department of Physics and Astronomy,

NIT Rourkela, Odisha-769008

NIT Rourkela

Rourkela, Odisha, 769008

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 396 in QS Asia University Ranking in 2026. In 2025, NIT Rourkela ranked 13 in NIRF Engineering, 30 in NIRF Research and 34 in NIRF Overall. For further information about the institute, please our institute website www.nitrkl.ac.in

ABOUT THE DEPARTMENT

The Department of Physics at NIT established in 1961. The department is known for providing high-quality education in undergraduate and postgraduate studies, as well as PhD and M.Tech (R) programs. Presently, the department is actively engaged in research activities that cover a range of fields, including Semiconductors, low- temperature physics, astrophysics, functional material, soft matter and theoretical physics.

ABOUT THE WORKSHOP

The Department of Physics and Astronomy, NIT Rourkela, is hosting a two-day Workshop on "Advanced Semiconductor Materials and Devices Technology (ASMDT-2026)" from 02nd – 03rd February 2026. This workshop aims to provide post-graduate, PhD students, postdocs, young faculties and researchers with the technical knowledge and training on various advanced semiconductor materials and characterization techniques in semiconductor research. This two-day workshop, which is led by a team of experts, aims to combine lectures by eminent scientists, visual aids, and data analysis that are used to understand the underlying mechanism in the advanced semiconductors in modern-day applications.

Topics Covered

- III-V Semiconductors
- Nanomaterials and Devices
- Sensors and Detectors
- Micro-Electromechanical Systems (MEMS)
- Power and RF devices
- Spintronics

ORGANIZING COMMITTEE

Chief Patron

Prof. K. Umamaheshwar Rao

Director, NIT Rourkela, Odisha

Chairman & Convener

Prof. Jyoti Prakash Kar

HOD, Department of Physics and Astronomy

Co-Convener

Prof. Sarojalochan Samal

Department of Chemistry

Prof. Suryanarayan Dash

Department of Physics & Astronomy

Who can attend

Post-Graduate, PhD students, Postdoc, Young researchers, Faculties and Industry personnel from various institutes, universities or industries who are working in materials science, experimental Condensed Matter Physics or related subjects are encouraged to apply.

Registration* Begins: 15th January 2026

Registration Closes: 31st January 2026

The participants need to register by filling of google Form: https://forms.gle/C7SBZu2cbT4QXjJh8

FREE Registration

CONTACT US

Prof. Jyoti Prakash Kar, Convenor

Prof. Sarojalochan Samal, Co-Convenor

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Student coordinator: Mr. Somesh Sabat (Mob. 8249340334)