

Symposium Overview

The 33rd National Laser Symposium (NLS-33), sponsored by the Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), will be organized in collaboration with Indian Laser Association (ILA) at the Medi-caps University, Indore during March 6 – 9, 2025.

The symposium aims to create a forum for researchers in the field of laser physics, technology, and applications to interact with each other and network with experts in the field. The symposium will cover invited talks by leading experts in the field, poster presentations of the contributed papers, thesis presentations by Ph.D. students, and exhibitions by manufacturers and suppliers in the field. The Indian Laser Association will also conduct short courses prior to the symposium on March 4 and 5, 2025.

The symposium organizing committee cordially invites all the scientists, engineers, and students engaged in basic and applied research in the broad areas of laser and related fields to participate in the symposium.

- Physics and Technology of Lasers
- Lasers in Nuclear Science & Technology
- Laser Materials, Devices, and Components
- Nonlinear, Quantum and Atom Optics
- Ultrafast Lasers and Applications
- Lasers in Materials Science
- Laser Plasma Interaction
- Lasers in Industry and Defense
- Laser Spectroscopy and Applications
- Lasers in Chemistry, Biology & Medicine
- Laser & Fiber Based Instrumentation
- Electronics and Instrumentation for Lasers
- Machine Learning & AI in Laser Applications

ILA Short Courses

The Indian Laser Association (ILA), the co-organizer of the NLS-33, will conduct short tutorial courses on March 4 and 5, 2025 at the symposium venue. ILA will announce the details of these courses on the ILA website shortly. Please contact General Secretary - II, ILA.

Paper and Thesis Submission

Authors are requested to submit a full-length manuscript in the specified format by December 31, 2024, as per the guidelines and instructions provided at the NLS-33 website. Use MS word 2007 or higher version in '.docx' format. The length of the manuscript should be at least 2 pages and not more than 4 pages (including figures, references, tables etc.). A separate short abstract (maximum 100 words) as per the guidelines provided on the NLS-33 website should also be submitted. A poster board of area 1m x 1m approx. will be

provided for each poster presentation during the symposium.

Ph.D. students, who have submitted their thesis on-or-before December 31, 2024, and whose work fall in any of the themes of the symposium or those who have been awarded Ph.D. degree after January 1, 2024 are eligible for thesis presentation. The interested students should send a four-page summary of their thesis by December 31, 2024 along with a certificate from Ph.D. guide specifying date of submission of thesis or award of the degree.

Best Poster & Ph.D. Thesis Awards

A few outstanding contributory posters and Ph.D. thesis presented by the research scholars will be selected by a jury of eminent experts for the award of "BEST POSTER" and "BEST Ph.D. THESIS" awards.

Publications

Abstract Book: A "Book of Abstracts" containing abstracts of peer reviewed contributed papers, invited talks, and thesis summaries, and a CD / pen drive containing full manuscripts will be made available to the participants during symposium.

KIRAN - ILA Bulletin: A special issue of "KIRAN – Bulletin of ILA" will be released during the symposium containing articles based on the invited talks presented during NLS-33. In addition, articles based on the "Best Poster" and "Best Ph.D. Thesis" awards will be published in a forthcoming issue of "KIRAN – Bulletin of ILA".

Industrial Exhibition

ILA will also be organizing an industrial exhibition at the symposium venue to provide a platform to the manufacturers and suppliers of lasers and related equipment to showcase the latest technical developments in the field to the symposium attendees.

GBM of ILA

The annual General Body Meeting (GBM) of the ILA will also be held during the symposium.

Registration

Registration fee and advance booking charges for accommodation will have to be paid online in the NLS-33 bank account ONLY. For bank details kindly visit NLS-33 website. Registration charges as given below:

Category	Fee
Students (Rs. 1,500/- for ILA members)	: Rs. 2,000/-
Academic & Govt. Organization (Rs. 5,000/- for ILA members)	: Rs. 6,000/-
Industry delegates (Rs. 10,000/- per delegates for Corporate Members)	: Rs. 12,000/-

Accommodation

The accommodation at RRCAT Guest House is very limited, therefore most of the outstation participants will be accommodated in hotels in single/sharing (AC/non-AC) rooms. For more details about the hotels, please visit the NLS-33 website. All participants should upload the accommodation request on the NLS-33 website. One day room rent should be paid as an advance for the booking of hotel accommodation. Please note that accommodation in hotels would be booked only after receipt of an advance deposit.

Travel Assistance to Students

Efforts will be made to provide shared accommodation to the student participants in one of the hostels at RRCAT. Financial assistance towards local hospitality and travel by train (3rd AC) by the shortest route will be provided to a limited number of deserving students. Applications for the assistance with a letter of recommendation from Guide / Head of the Department and addressed to the Convener, NLS-33 should reach on or before February 15, 2025.

Important Deadlines

Paper / Thesis Submission	: December 31, 2024
Paper/Thesis Acceptance	: January 22, 2025
Registration with Payment	: February 7, 2025
Accommodation with Payment	: February 15, 2025

About Indore

Indore, the cleanest city of India, is the largest cultural, educational, economic and industrial city of Central India having several monuments of historical importance of the erstwhile Holkar dynasty of Indore. The city serves as the gateway to the many religious pilgrimage sites such as Jyotirlinga in Ujjain and Omkareswar. In addition, the nearby locations of tourist attraction are the Maheshwar fort and the city of Mandu.

About Symposium Venue: Medi-Caps, Indore

Medi-Caps University is a premier educational institution in Indore, India, established under the Madhya Pradesh Niji Vishwavidyalaya Adhiniyam and has been dedicated for providing a positive learning environment and supporting students' professional growth. It offers a diverse range of academic programs including undergraduate, postgraduate, integrated postgraduate, and industry-partnered courses, as well as full-time Ph.D. programs across a variety of disciplines.