



32nd पञ्चवि-बीआरएनएस राष्ट्रीय लेसर संगोष्ठी

32nd DAE-BRNS National Laser Symposium

Raja Ramanna Centre for Advanced Technology, Indore-452013

January 29 to February 01, 2024



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DAE Diamond Jubilee Structure



The 32nd National Laser Symposium (NLS-32), sponsored by the Board of Research in Nuclear Science (BRNS), Department of Atomic Energy (DAE), will be organized in collaboration with the Indian Laser Association (ILA) at the Raja Ramanna Centre for Advanced Technology (RRCAT), Indore during January 29 –February 01, 2024.

The symposium aims to create a forum for researchers in the field of laser physics and technology, and their applications to interact with each other and network with eminent 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 Industrial exhibition. The symposium organizing committee cordially invites all the scientists, engineers, research scholars, and industry participants engaged in basic and applied research in the broad areas of laser and related fields to participate in the symposium.



In collaboration with:
Indian Laser Association

Topics of Interest

- 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 and AI in Laser Applications

Paper and Thesis Submission

Authors are requested to submit a full-length manuscript in the specified format by **November 30, 2023**, as per the guidelines and instructions provided at the NLS-32 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-32 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 **November 30, 2023**, and whose work fall in any of the themes of the symposium or those who have been awarded Ph.D. degree after **January 1, 2023** are eligible for thesis presentation. The interested students should send a four-page summary of their thesis by **November 30, 2023** along with a certificate from Ph.D. guide specifying date of submission of thesis or award of the degree.

Symposium Organizing Committee

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Verma Sunil	RRCAT, Indore: Convener
Saxena Manoj K.	RRCAT, Indore: Member Secretary
Majumder S. K.	RRCAT, Indore & President, ILA
Achanta Venugopal	NPL, New Delhi & Vice-President, ILA
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Upadhyay Ajit	RRCAT, Indore: Scientific Secretary
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Upadhyaya B. N.	RRCAT, Indore
Vanchhani D.	RRCAT, Indore

Important dates and information

Paper / Thesis Submission
November 30, 2023

Paper/Thesis Acceptance
December 15, 2023

Registration with Payment
January 10, 2024

Accommodation with Payment
January 15, 2024

Contact persons for NLS-32

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ILA Short Courses

The Indian Laser Association (ILA), the co-organizer of the NLS-32, will conduct short tutorial courses on January 27 - 28, 2024 at the symposium venue. ILA will announce the details of these courses on the ILA website shortly. Please contact General Secretary-II, 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. A special 'Make in India' session will also be organized where Indian R&D organizations and Industries will be invited to make presentations on their laser and related products developed in India. The exhibition will run concurrently with the symposium from January 29 to February 01, 2024. The industry participants are encouraged to contact "General Secretary-II, ILA" in this regard.

For further details about abstract submission, registration, and other updates, please visit :

www.ila.org.in/nls32