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**29<sup>th</sup> DAE-BRNS  
NATIONAL LASER SYMPOSIUM**



**February 12 – 15, 2021**

*Organized Online by*

**Raja Ramanna Centre for Advanced Technology (RRCAT), Indore  
and  
Shri Vaishnav Vidhyapeeth Vishwavidyalaya (SVVV), Indore**



*Sponsored by*

**Board of Research in Nuclear Sciences  
Department of Atomic Energy  
In Collaboration with**



**Indian Laser Association**

## Symposium Overview

The 29th National Laser Symposium, 20th in a series sponsored by the Board of Research in Nuclear Sciences of the Department of Atomic Energy, will be organized in collaboration with Indian Laser Association and Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore during February 12-15, 2021. The symposium aims to create a platform for scientific interaction among the researchers working in the field of laser physics, technology and applications and also to network with eminent scientists in the field. The Symposium will cover invited talks by leading experts, poster presentation of the contributed papers, and thesis presentation by Ph.D. students. The Indian Laser Association will also conduct short courses prior to the Symposium. The Symposium organizing committee cordially invites all the scientists, engineers and students engaged in the basic and applied research in the broad areas of laser and related fields, to participate in the Symposium.

## 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 and Fiber based Instrumentation

## ILA Short Courses and Exhibition

The Indian Laser Association (ILA), the collaborator of NLS-29, will organize short tutorial courses on February 10-11, 2021 in online mode. ILA will announce the details of these courses separately. ILA will also award prizes for the "Best Thesis" and "Best Poster" presentations. The paper selected for the "Best Poster Award", and articles based on the work of "Best Thesis Award", will be published in 'Kiran', the ILA Newsletter. The invited talks will also be published in 'Kiran'. The annual general body meeting of ILA will also be held during the symposium in online mode.

ILA is also organizing an online industrial exhibition for lasers and related products during NLS-29. For updates of NLS-29 and ILA courses please visit the symposium website <http://www.ila.org.in/nls29>

## Important Dates

Paper submission deadline	<b>January 22, 2021</b>
Thesis summary submission deadline	<b>January 22, 2021</b>
Intimation of paper/ thesis acceptance	<b>February 02, 2021</b>
Last date for registration fee payment	<b>February 05, 2021</b>

**NLS-29**

## Venue

City of Indore is known as commercial capital of the state of Madhya Pradesh. It is also known as "The City of Holkars". Indore has a great historical and cultural significance. Presently, Indore is the cleanest city of the country for several years.

Shri Vaishnav Vidyapeeth Vishwavidyalaya (SVVV) is a private university established under Madhya Pradesh Niji Vishwavidyalaya (Sthapana Avam Sanchalan) Adhiniyam in 2015 at Indore (India). The University has been established with a vision to be leader in shaping better future for mankind through quality education, training and research. University is focused to provide education in the disciplines of Engineering, Forensic Science, Architecture, Management, Science, Social Sciences, Humanities, Arts, Journalism and Mass Communication and Computer Applications. Shri Vaishnav Vidyapeeth Vishwavidyalaya is governed by 137 years old Shri Vaishnav Group of Trusts initiated by compassionate philanthropists of Indore in 1884. The SVVV has Center of Excellence for Plasma Research. Plasma Centre has completed several research projects with research grant from different funding agencies.

## Paper / Thesis Summary Submission

Authors are requested to upload on NLS-29 web-page a full-length paper manuscript in the specified format by **January 22, 2021**, as per the guidelines and instructions provided on ILA web-page. Use MS word 2007 or higher version in '.doc' format. The length of the manuscript should be at least 2 pages and not more than 4 pages (including figures, references, tables etc.). A short abstract (maximum 100 words) should be a part of paper manuscript submitted. The accepted paper will be presented by the author during NLS-29 via online mode.

Ph.D. students who have submitted their thesis by January 01, 2021 for award of degree, or those who have been awarded Ph.D. degree after January 01, 2020, are eligible for the thesis presentation in NLS-29. Those interested in their thesis presentation should upload by **January 22, 2021** the following documents : (i) a four-page summary of their thesis, (ii) a certificate from Ph.D. guide specifying date of submission of thesis or award of the degree, (iii) list of publications related to thesis work. On the acceptance of this thesis summary, the student is expected to make a short presentation on the thesis work during NLS-29.

The registration is compulsory for authors presenting papers and thesis summaries during the NLS-29.

The invited talks, papers selected for the "Best Poster Award", and articles based on the work of "Best Thesis Award", will be published in Kiran, the ILA Newsletter.

**NLS-29**

## Registration

S. No.	Category	Registration Fee
1	Life members of ILA	Nil
2	Other participants	₹ 100

Registration fee will be accepted through electronic bank transfer into NLS-29 account. Details will be available on the website.

## Addresses for Correspondence

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### For ILA courses

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### For NLS information on web

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**NLS-29**