

## Symposium Overview

The Sixth DAE-BRNS National Laser Symposium sponsored by the Board of Research in Nuclear Sciences, Department of Atomic Energy will be held at Raja Ramanna Centre for Advanced Technology, Indore, from December 5 to 8, 2006. The symposium will cover recent developments in physics, technology and applications of lasers, and will include invited talks by leading experts, contributed papers and Ph.D. thesis presentations. The organizing committee of the symposium invites research scientists, engineers and research students engaged in basic or applied research & applications in the area of lasers and related fields to participate in the symposium.

## Topics to be Covered in the Symposium

1. Physics and Technology of Lasers
2. Lasers in Nuclear Science and Technology
3. Semiconductor Lasers and Optoelectronic Devices.
4. Laser Materials: Devices and Components
5. Quantum Optics
6. Ultrafast Lasers and Applications
7. Nonlinear Optics
8. Laser Spectroscopy
9. Laser Plasma Interaction
10. Lasers in Industry and Defence
11. Lasers in Chemistry, Biology and Medicine
12. Laser based Instrumentation
13. Lasers in Material Science

All accepted contributed papers in the above topics will be presented as posters.

In addition, the Indian Laser Association (ILA) will organize one-day tutorial courses on December 3rd and 4th, 2006. The topics are: a) Generation, Characterization and Amplification of Ultrashort Laser pulses, b) Growth and Optical Characterization of Nanostructures. The details of these courses will be announced by ILA separately. ILA will also award prizes for the best thesis and poster presentations. The annual general body meeting of ILA will be held during the symposium.

## Venue

The symposium will be held at RRCAT, Indore, which is 2 kms away from Rajendra Nagar (a southern suburb of Indore) and about 13 kilometers away from Indore airport as well as the Indore railway station. The weather in Indore during December is pleasant with day temperatures between 18-22°C. Nights are cold. Kindly bring warm clothes.

## Contributed papers

Authors willing to present their work are requested to send two hard copies of their manuscript by post and one by email as attachment, using MS Word 98 or higher version. The length of the manuscript of contributed paper should be restricted to two pages (including figures, references etc.) and the thesis summary should be limited to four pages. Each manuscript should be accompanied with a category number (1-13) as per the list of topics mentioned in: "Topics to be covered in the symposium".

A short abstract should also be sent separately by e-mail only (as attachment using MS Word 98 or higher versions). Manuscripts and abstracts should be sent to:

**Mr. Tapas Ganguli, Secretary NLS – 6  
Solid State Laser Division,  
Raja Ramanna Centre for Advanced Technology,  
PO: CAT, Indore-452 013.**

E-mail: [nls2006@cat.ernet.in](mailto:nls2006@cat.ernet.in)

## Guidelines for Preparing Manuscript and Abstract

### Manuscript:

1. The Manuscript should be typed on paper size A4 (210 mm x 297 mm) leaving 25 mm margin on all sides in *Times New Roman* font. Title of the paper should be bold in font size 12 (do not underline). Authors' names with initials should be typed in capitals one space below the title in font size 10. It should be followed by affiliations of all authors and e-mail address of the corresponding author. All matter should be centered. The text should start two spaces below the address (normal font size 10, justified in 1.5 line spacing).
2. Figures and Tables should be suitably reduced and placed at appropriate places with numbers and captions below them.
3. References should be given in the text as superscripts, numbered according to their occurrences (e.g. 1,2,3 etc) and listed at the end, leaving two lines after text.

## Short Abstract:

Title, authors' names, affiliations and the text should be typed continuously without any linebreaks in *Times New Roman*, font size 10, single line spacing, on paper size A4 with 25 mm margin on both sides. Title should be in bold letters, authors' names & affiliations should be in italics and text in normal font. The total abstract including title, affiliation etc must be restricted to seven lines. Please adhere strictly to these guidelines.

## Time Schedule (Last Dates)

**Receipt of manuscript: September 04, 2006**

**Intimation of acceptance: October 03, 2006**

**Submission of registration form: Nov 06, 2006.**

**(It may not be possible to accept post deadline papers)**

## Proceedings

CD containing manuscripts of all contributed papers will be made available to the participants during the symposium.

## Presentation Facilities

An area of 1 m x 1 m will be provided for each poster.

## Accommodation

Accommodation will be provided in guest houses/hostels on twin sharing basis and in hotels in Indore city. The hotel charges are mentioned in the intimation form. Family accommodation can be provided only in hotels. **Accommodation cannot be guaranteed to participants whose registration forms are received after Nov. 06 2006.**

## Financial Assistance

Financial assistance towards local hospitality and travel by train (Sleeper class) by the shortest route can be provided to a limited number of deserving students for whom the institute of affiliation is unable to pay. Application for assistance must be accompanied with recommendation of research guide.

## Registration Fee and Intimation of Participation

Category	Fee
I) Students	Rs. 200/-
II) Delegates from educational institutes & govt. organizations	Rs. 500/-
III) Delegates from public sector undertakings & industry	Rs.800/-

Registration fee is payable by DD favoring "National Laser Symposium – 6" payable at Indore. The DD along with the Registration / Booking of accommodation form should reach the Convener at RRCAT, Indore (Address on the back side of registration form) by **Nov 06, 2006.**

## SIXTH DAE-BRNS NATIONAL LASER SYMPOSIUM

(NLS - 6)

Dec 5-8, 2006

## Registration Form

(Please strike out whatever is not applicable)

Name (in Capital) : \_\_\_\_\_  
(Last Name) (Initials)

Sex : Male / Female

Designation : \_\_\_\_\_

(Prof./Reader/Lecturer/Sci.Off./R.A./Student etc)

Registration Fee Category: I / II / III

Address : \_\_\_\_\_

Pin Code : \_\_\_\_\_

Tel. : \_\_\_\_\_

Fax.: \_\_\_\_\_

E-mail. \_\_\_\_\_

Proposed Contribution: Contributory paper / Thesis /  
Exhibition / Only participation

Financial Assistance\* : Full/Partial / Not required

Accommodation Required : Single(in hotels)/Double  
occupancy/Family/Not required

Accommodation Required from Dec. \_\_\_ to \_\_\_, 2006.

Please note: Hotel charges for a double occupancy room will be about Rs 275/- per head, charges for a single occupancy room will be about Rs 700/-.

Date \_\_\_\_\_ Signature: \_\_\_\_\_

**The registration form along with the DD should reach the Convener at RRCAT, Indore on or before November 06, 2006. Please send one stamp size photograph along with this form to enable us to issue photo identity cards. Please note that accommodation cannot be guaranteed to participants whose registration forms are received after Nov. 06 2006.**

\*Can be provided to a very limited number of deserving students, for whom the institute of affiliation is unable to pay. Please attach recommendation letter from your guide

**For additional copies, please photocopy this form**

Kindly mail this form along with DD to:

Mr. Utpal Nundy,  
Convener, NLS-6  
Laser Systems Engineering Division,  
Raja Ramanna Centre for Advanced Technology  
PO: CAT,  
Indore – 452013, Madhya Pradesh

#### NATIONAL ADVISORY COMMITTEE

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#### ADDRESSES FOR CORRESPONDENCE

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For ILA Short Courses :  
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Ph : 0731-248 8377 (off)

For updates visit NLS-6 website  
[www.cat.ernet.in/symposiums/conf/nls06](http://www.cat.ernet.in/symposiums/conf/nls06)  
[www.ila.org.in/nls06/](http://www.ila.org.in/nls06/)

## SIXTH DAE-BRNS NATIONAL LASER SYMPOSIUM (NLS – 6)

December 5 - 8, 2006

Organised at

Raja Ramanna Centre for Advanced  
Technology  
Indore, Madhya Pradesh.



In Collaboration with  
Indian Laser Association

Sponsored by  
BOARD OF RESEARCH IN NUCLEAR SCIENCES  
Department of Atomic Energy  
Government of India