

Symposium Overview

The Fifth DAE-BRNS National Laser Symposium sponsored by the Board of Research in Nuclear Sciences, Department of Atomic Energy will be held at Vellore Institute of Technology, Vellore during December 7 to 10, 2005. The symposium will include plenary talks on recent developments in physics, technology and applications of lasers, invited and contributed presentations by leading experts and young researchers and Ph.D. thesis presentations in the related research areas. The organizing committee of the symposium invites all research scientists, engineers and research students who are engaged in basic or applied research & applications in the broad area of lasers and related fields to participate in the deliberations of the symposium.

Topics of Interest:

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

The Indian Laser Association (ILA) will organize a couple of short tutorial courses on December 6, 2005 preceding the Symposium. Details of this will be announced separately by ILA. ILA will also award prizes for the best thesis and poster presentations. The annual general body meeting of ILA will be held during this symposium.

Venue

The symposium is being organized at Vellore Institute of Technology (Deemed University), Vellore, Tamil Nadu. It is the only institution in India to have obtained International Accreditation from the Institution of Electrical Engineers (IEE), UK. It is about 130 km from Chennai and 3 km from Katpadi Railway station. The weather in Vellore during December is pleasant with temperatures around 15^oC – 20^o C. For further details visit www.vit.ac.in

Manuscript Presentation

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.

A short abstract should also be sent separately by e-mail ONLY (as attachment using MS word98 or higher versions). Manuscripts and abstracts should be sent to:

Mr. S. V. Nakhe, Secretary NLS – 5
Scientific Officer, Laser Systems Engineering Division
Centre for Advanced Technology, Indore-452 013.
E-mail: nls2005@cat.ernet.in

Guidelines for Preparing Manuscript and Abstract

Manuscript: 1. 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). Names of authors with initials should be typed in capitals one space below the title in font size 10. It should be followed by affiliation 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.

Abstract: Title, author's name, affiliation 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, names of authors & affiliation should be in italics and text - in regular font. The total abstract must be restricted to seven lines. **Please adhere strictly to these guidelines.**

Time Schedule (Last Dates)

Receipt of manuscript: September 17, 2005

Intimation of acceptance: October 31, 2005

Submission of registration form: November 7, 2005.

Proceedings

A hard copy of abstracts of the accepted papers and a CD containing full manuscripts will be made available to the participants during the symposium.

Presentation Facilities

Overhead and Multimedia projectors will be made available for oral presentations. An area of 1 m x 1 m will be provided for each poster presentation.

Accommodation

All the participants will be accommodated in guest houses/hostels in shared rooms. Family accommodation may not be available in the guest houses/hostels.

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 & Industries	Rs.800/-

Registration fee is payable by DD favouring "National Laser Symposium – 5" payable at Vellore. The DD along with the Registration / Booking of accommodation form should reach the Co-Convener at VIT, Vellore (Address is given on the back side of registration form) **on or before November 7, 2005.**

For updates visit NLS-5 website
www.cat.ernet.in/symposiums/conf/nls2005

FIFTH DAE-BRNS NATIONAL LASER SYMPOSIUM

(NLS-5)

Dec 7-10, 2005

Intimation of Participation

(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: Thesis / Contributory Paper /
Exhibition / Only participation
Financial Assistance* : Full/Partial / Not required
Accommodation Required : Single, Single (Twin
Sharing)/Family/ Not required

Accommodation Required from Dec. ___ to ___, 2005.

My expectation/entitlement for tariff is up to
Rs _____ /- per day.

(Unless this column is filled, it will not be possible to
arrange the accommodation)

Date Signature:

The registration form along with the DD should reach the Co-Convener at VIT, Vellore on or before November 7, 2005.

*Can be provided to very limited number of deserving students only, 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:

Dr. E. JAMES JEBASEELAN SAMUEL,
Co-Convener, NLS-5
Dept of Physics
Vellore Institute of Technology
(Deemed University)
Vellore – 632014, Tamil Nadu

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ADDRESSES FOR CORRESPONDENCE

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FIFTH DAE-BRNS NATIONAL LASER SYMPOSIUM (NLS – 5)

December 7 - 10, 2005



Organised at

VIT

Vellore Institute of Technology
(Deemed University)
Vellore, Tamil Nadu.

In Collaboration with
Indian Laser Association

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