



Indian Laser Association

As in previous years, this year also the Indian Laser Association (ILA) is organizing two short courses on December 1st and 2nd, 2018 (immediately preceding the National Laser Symposium, NLS-27 during December 3-6, 2018) at RRCAT, Indore. The broad objective of this course is to make individuals who are launching their research careers in the field of Laser and its allied Technology. These courses are envisioned for young scientists, engineers, professionals and research students working in relevant fields.

The course will be highly beneficial to understand the philosophy of research and introduce them to various tools that can help improve their research and problem solving skills.

The courses will run for two days (Dec. 1st and 2nd, 2018) and will be conducted in parallel. Apart from above ILA will organize a brief presentation about career opportunities for young aspirants in the field of lasers and allied technologies.

The details of the course topics and their coordinators are as follows:

Course 1: Optical Interferometry

Course Coordinator: Dr. Sendhil Raja, RRCAT

The laser based optical interferometry is a very active field of research and utilization including applications in gravitational wave detection. The present tutorial course will cover, Basics of Interferometry, Light sources for precision Optical Interferometry, Interferometry for Optical Metrology and Physical Characterization, Fundamental Physics with Interferometry and Interferometry beyond the Standard Quantum Limit. The course will cover lectures and hands on demonstration of some advanced experimental techniques in the field.

Course 2: Laser-matter interaction at the nanoscale

Course Coordinator: Dr. Rama Chari, RRCAT

Light-matter interaction at the nanoscale is a field rich in science that is rapidly leading to several technological applications. Lasers are ideal for non-destructive probing of nanostructures. This course will introduce the basic concepts of light-matter interaction at nanoscale and discuss several laser-based techniques for probing nanomaterials under a variety of physical conditions. The course will consist of lectures and hands on demonstration of some advanced experimental techniques in the field.

For details about accommodation etc., kindly visit the ILA website at: <http://www.ila.org.in/nls27>

With warm regards,

Dr. Manoj Kumar

General Secretary - II, ILA

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REGISTRATION FORM

ILA Short Courses on Dec. 1st and 2nd 2018
Organized by “Indian Laser Association” at
“Raja Ramanna Centre for Advanced Technology, Indore”

Name: Mr. / Ms _____ Age _____ yrs.

ILA membership number: _____ / Not a ILA member

Status: Student/Faculty/Professional from Industry/ Manager/ other _____

Highest qualification and specialization: _____

Institution: _____

Address for correspondence: _____

PIN: _____ State: _____

Phone & Fax: _____ E-mail: _____

Category & Fee: 1. ILA member (Rs. 1000/-), 2. Non ILA member (Rs.1500/-)
3. Industrial participant (Rs. 2000/-)

I am interested in attending (please make a ring around your option):

Course-I: [Optical Interferometry](#)

Course-II: [Course Laser-matter interaction at the nanoscale](#)

The course fee has to be paid **ONLINE ONLY** to the following bank account of the Indian Laser Association:

Name of Account: Indian laser Association

Bank name & branch: State Bank of India, RRCAT-Sukniwas branch, Indore

Current A/c number: 34804906156

Branch IFS Code: SBIN0008484

Swift Code: SBININBB570

ONLINE transaction details:

Amount: Rs. _____ Transaction No. _____

Name of Bank _____ Date: _____

Accommodation will be provided on payment basis in the hostels at very nominal charge

Signature

The duly filled scan copy of the registration form should be sent to the following email ID latest by 15th Nov. 2018:

Email: ilashortcourse@gmail.com ; Phone: 0731-248-8388