

Workshop Dates

27-28 February 2012

Closing date of Registration:

16.02.2012

Address for communication:

The Director
International School of Photonics
Cochin University of
Science and Technology
Cochin – 682 022

For details contact:

The Co-ordinator ,
Dr. Sheenu Thomas

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Organizing committee:-

Prof. C. P. Girijavallabhan

Prof. V. P. N. Nampoore

Prof. P. Radhakrishnan

Dr. M. Kailasnath

Dr. Sheenu Thomas

**Annual Photonics Workshop 2012
(APW 2012)**

27-28 February 2012

**National Workshop on
“Recent Trends in Photonics”**

Organised by



**International School of Photonics (ISP)
&
Centre of Excellence in Lasers and
Opto-electronic Sciences (CELOS)**

**Cochin University of Science and
Technology
Cochin – 682 022**

In collaboration with

**ISP-SPIE Student Chapter
ISP-OSA Student Chapter
and
Photonics Society of India**

Sponsored by
University Grants Commission

**Annual Photonics Workshop 2012
(APW - 2012)
27-28 February 2012
at
International School of Photonics
Cochin University of Science and Technology
Cochin – 682 022**

Recent Trends in Photonics

The field of Photonics has continued to evolve vigorously during the last decades and after its advancements in the areas of lasers, fiber optic communications and fiber optic sensors, new and important areas are picking up in the form of Nano-Photonics , Bio-Photonics etc . In view of this, the International School of Photonics, in association with the Centre of Excellence in Lasers and Optoelectronic Sciences is organizing a 2 day Workshop (APW -2011) on “**Recent Trends in Photonics**”. The main objective of APW- 2012 is to give an introduction to the above topics to motivate students who are planning to work in these areas.

The target group will be researchers and teachers in the Universities, Colleges and other research institutions. Tentative list of topics to be covered include recent trends in Fibre Optic sensors, Non-linear Optics, Nano-photonics and Bio-Devices. One session will be earmarked for poster presentation by the participants.

How to Apply?

Those who are interested to take part in this workshop should send the registration form duly filled in so as to reach

The Director

International School of Photonics
CUSAT, Cochin-682 022

on or before 16-2-2012

Registration fee:

Teachers/Scientists - Rs. 800/-
Members of Photonics Society of India -
Rs. 700/-
Students - Rs. 500/-
Student members of Photonics Society of India -
Rs. 400/-

D.D. should be drawn in favour of

The Director

International School of Photonics

payable at
State Bank of Travancore
Thrikkakara Branch
Cochin - 682 022, Kerala

Travel Assistance:

Participants are advised to avail travel assistance from their home institutions. Limited travel assistance will be provided to students based on the availability of funds.

Accommodation:

Accommodation will be provided to the delegates in the University Guest House/nearby hotel.

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Cochin 682 022**

Registration Form

Name :
Designation :
Institution :
Whether member of PSI :
Field of Specialization :
Teaching / Research
Experience :
Details of
Registration fee :
Amount Rs. :
D D.No. :
Whether presenting
work as poster :
Whether accommodation
needed :
Address for
communication :

Whether travel assistance requested:

Use Xerox copies of the registration form if needed. Those who are presenting posters are requested to send an abstract of the same on or before 16-Feb-2012.

For details visit www.photonics.cusat.edu

Programme schedule

27th February 2012

8.30- 9.30 a.m.	Registration
9.30 – 10.15 a.m.	Inaugural Programme Chief Guest- Dr. Tessy Thomas, Project Director of the Agni Missile programme , presided over by Dr. Ramachandran Thekkedath, Vice Chancellor, CUSAT
10.15 – 10.45 a.m.	Tea Break
10.45 – 12.00 noon	“Prospect of Silicon Photonics without CMOS Technology” – Dr. Bijoy Krishna Das, Associate Professor, Department of Electrical Engineering, Indian Institute of Technology Madras, Chennai
12.00 – 1.15 p.m.	“Laser Ablated Materials” – Dr. Mahadevan Pillai, Professor and Head, Department of Optoelectronics, Kerala University, Trivandrum
1.15 – 2.15 p.m.	Lunch break
2.15 – 3.30 p.m.	“Bose condensation of Photons” – Prof. V M Nandakumaran, Chairperson, Amrita Vishwa Vidyapeetham, Amritapuri Campus, Amritapuri, Kollam
3.30 – 3.45 p.m.	Tea Break
3.45 – 5.00 p.m.	“Ultrafast Laser driven Novel Electron Accelerators” – Dr. Riju Isaac, Assistant Professor in Physics, M A College, Kothamangalam
5.00 - 6.00 p.m.	Laboratory Visit
6.00 – 6.30 p.m.	PSI Meeting

28th February 2012

9.30 – 10.30 a.m.	“National Science Day Lecture” – Prof. C P Girijavallabhan, Former Director and Emeritus Professor of ISP
10.30 – 10.45 a.m.	Tea Break
10.45 – 11.45 p.m.	“Ultra fast Laser Spectroscopy” – Dr. Rajeev Kini, Assistant Professor, Physics, Indian Institute Of Science Education and Research, Trivandrum

11.45 – 12.45 p.m.	“Stokes holography: A new polarization based imaging technique” – Dr. Rakesh Kumar Singh, Assistant Professor, Department of Physics, Indian Institute of Space Science and Technology
12.45 – 1.45 p.m.	Lunch break
1.45 – 2.30 p.m.	Poster session
2.30 – 3.00 p.m.	“Laser Plasma and their Applications in Space Craft” – Commodore K R Nambiar Indian Navy (Retd)
3.00 – 3.15 p.m.	Tea Break
3.15 – 3.45 p.m.	“Ultra Fast Nonlinear Raman Spectroscopy” – Dr. Vinu V Namboodiri, Consultant Scientist, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore
3.45 -4.15 p.m	“Commercial Light Emmiting Diode Lamps” – Dr. Nibu George, Assistant Professor, Baselios College, Kottayam
4.15 p.m	Valedictory function
