

Annual Photonics Workshop 2010

(APW 2010)

27-28 February 2010

Organized by



International School of Photonics

(ISP)

&

Center of Excellence in Laser 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 2010 (APW - 2010)

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at

International School of Photonics
Cochin University of Science and Technology
Cochin - 682 022

QUANTUM Optics has been an area of intense research activities for the last several decades. The field has generated many interesting and experimental results involving quantum entanglement, quantum teleportation and quantum computing. In view of this, the International School of Photonics in association with Centre of Excellence in lasers and Opto-electronic Sciences is organizing a 2-day Workshop (APW-2010) on "Quantum Optics". The main objective of APW- 2010 is to give an introduction to the above topic to motivated persons planning to work in these areas. The target group will be young researchers and teachers in the Universities, colleges and other research institutions. Tentative list of topics to be covered include Quantum entanglement and Quantum computing. One Session will be devoted to 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.

Prof. V.M.Nandakumaran

International School of Photonics
Cochin University of Science and Technology
Cochin - 682 022

**On or before
20th February 2010**

Registration fee:

Teachers/Scientists Rs.800/-

(Members of Photonics Society of India – Rs.700/-)

Students: Rs.500/-

Members of Photonics Society of India – Rs.400/-

D.D. should be drawn in favour of

**Co-ordinator,
APW2010**

Payable at

State Bank of Travancore

Thrikkakara branch, 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.

Posters

Those who are presenting posters are requested to send an abstract of the same on or before 20-Feb-2010

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(APW - 2010)
27-28 February 2010
at
International School of Photonics
CUSAT

Workshop Dates

27-28 February 2010

Closing date of Registration:

20 Feb 2010.

Address for communication:

Prof. V.M.Nandakumaran

International School of Photonics
Cochin University of Science and Technology
Cochin - 682 022
nandak@cusat.ac.in

Phone: 0484 - 2575848 (Office)

Organizing committee:-

Prof .C.P.Girijavallabhan
Prof. V.P.N.Nampoori
Prof.V.M.Nandakumaran
Prof.P.Radhakrishnan
Mr.M.Kailasnath
Dr Sheenu Thomas

For details visit
www.photonics.cusat.edu/APW2010.pdf

Registration Form

Name :

Designation :

Institution :

Whether member of PSI :

Field of specialization :

Teaching/research exp :

Details of Registration fee :

Amount Rs. :

DD. 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 20-Feb-2010

PROGRAMME SCHEDULE FOR APW 2010

27-02-2010 Saturday

- 9.30 am to 10.15 am : Inauguration
- 10.15 am to 10.30 am : Tea Break
- 10.30 am to 12.30pm : Lecture by Prof. V. P.N Nampoori
 ➤ “**Introduction to Quantum Optics**”
- 12.30 pm to 1.30 pm : Lunch Break
- 1.30 pm to 3.00 pm : Lecture by Prof. M. Sabir
 ➤ “**Quantum computing with photons**”
- 3.00 pm to 3.15 pm : Tea Break
- 3.15 pm to 4.45 pm : Laboratory Visit/ Poster Session
(**Demonstrations of experiments like Quantum eraser,
Thermal Lens based Logic gates etc**)
- 4.00 pm to 4.45 pm : Alumni Meeting
- 4.45 pm : PSI Meeting

28-02-2010 Sunday

- 9.30 am to 10.30 am : **Science Day Lecture** by Dr.Reji Philip (RRI, Banglore)
 ➤ “**Intense field Nonlinear optics**”
- 10.15am to 10.45 am : Tea Break
- 10.45 am to 12.15 pm : Lecture by Prof. S. P. Tewari (Univ. of Hyderabad)
- 12.15 pm to 1.30 pm : Lunch Break
- 1.30 pm to 3.00 pm : Lecture by Dr. Anil Shaji (IISER, Trivandrum)
 ➤ “**Quantum Cryptography using quantum and classical optics**”