

UGC Sponsered National Work Shop on Nanophotonics

Organized By
Centre for Advanced Materials
Department of Physics CUSAT, Cochin-22, Kerala.
In Collaboration with SPIE Student Chapter.
Date: March 18-19, 2016

Scope of the workshop

Nanophotonics is the study of the behaviour of light on the nanometer scale, and of the interaction of nanometer-scale objects with light and hence is a interdisciplinary branch of science of optics, optical engineering, and nanotechnology. The National Workshop on Nanophotonics (NWN-2016) is platform bringing together the experts and young researchers together to discuss the present scenario and the future prospects in the area of nanophotonics. The workshop will be focusing on the fabrication and application of nanostructures that facilitate the generation, propagation, manipulation, and detection of light from the infrared to the ultraviolet regimes. The workshop also mark the closing ceremony of the year long celebrations of Interanational year of Light (IYL 2015) and the tenth anniversary of SPIE CUSAT student chapter. To mark these events, a poster presentation competition for postgraduate students are also being organised. The workshop will be an ideal platform to share and exchange ideas on the latest development in the areas of nano materials and processing for futuristic optoelectronic applications.

Topics

- ▶ **Nanomaterials for optoelectronic applications** ▶ **Dielectrics & Ferroelectrics** ◀
- ▶ **Materials for solar energy** ▶ **Magnetic Materials** ▶ **Transparent electronics** ◀
- ▶ **Materials for energy storage** ▶ **Nano Bio/Nano catalysts/Nano toxicology/LP-PLA** ◀

Submission of Abstracts

Participants are invited to give oral/poster presentation. The authors may submit to anjanaradhakrishnan88@gmail.com, a one page abstract (MS Word) for the contributed paper. **The best paper award instituted by SPIE CUSAT Student Chapter carries a cash prize and citation.**

Registration details

Participants from CUSAT :Nil
Out station Participants : Rs. 1000

Important Dates

Submission of Abstracts. February 25th, 2016
Notification of Abstract. March 1st, 2016
Last date for Registration. March 5th, 2016

Contact:

mkj@cusat.ac.in
anjanaradhakrishnan88@gmail.com



Centre For Advanced Materials (CAM)

Centre for Advanced Materials (CAM) is a unique Centre established in Cochin University of Science and Technology in the year 2011, with a single goal of promoting and coordinating research in the broad area of material science. The centre was formally inaugurated by Prof.C.N.R Rao, Chairman, Scientific advisory council to the prime minster on 15th January 2011. Since then various seminars were conducted by eminent scholars in the area of material science. CAM conceived to an interdisciplinary Centre coordinating and combining the research activities of departments of Physics, Chemistry, Polymer and rubber technology, Instrumentation and Electronics in order to better understand material properties and design and create new materials.

Department of Physics

The Department of Physics was established in 1962 as one of the five departments of the erstwhile Ernakulam Centre of the Kerala University. In 1971, it became part of the University of Cochin, which was later recognized in to a full-fledged university of science & Technology. The goal and objective of the Department was to undertake post graduate teaching and impart research training to students who opt for advanced studies in Physics. The Department of Physics has hitherto continuously maintained a creditable record of post graduate teaching and research in Physics. The Department conducts teaching programmes leading to M.Sc and M.Phil degrees and a research programme leading to Ph.D. The students to the various courses are selected by separate nationwide admission tests. Physics department is presently supported by DST under FIST level I, by UGC under Centre for advance studies.

SPIE CUSAT Student Chapter.

SPIE CUSAT student chapter was formally inaugurated on 27th October 2005 and is celebrating its tenth anniversary. SPIE, the International Society for Optical engineering and society's international network of Student Chapters connects students and professionals worldwide. The growing network of chapters enables students to connect with other programs and professionals, further supporting the next generation of scientists, engineers, and society leader. SPIE members through their collective talents have influenced the future of optical, technical, and scientific discovery

Accommodation

There is limited number of university Guest house and hostel accommodation. Accommodation will be arranged by the organisers on request and on advance payment.

Guidelines for Submission of Abstracts

Please submit an abstract limited to 250 words with brief results in A4 size Microsoft Word format

- Title 14 Point Times New Roman, Bold, Normal, Justified.
- Author Name 11 Point Times New Roman, Normal, Single Spacing, Justified.
- Affiliation 11 Point Times New Roman, Normal, Single Spacing, Justified.
- Corresponding author e-mail address 11 Point Times New Roman, Normal, Justified.
- Text 12 Point Times New Roman, Normal, 1.5 Spacing, Justified.
- References [] Authors Name, Vol., Page no. (Year). 11 Point Times New Roman, Single Spacing, Justified.