



Focused discussion meeting on
Metamaterials and Photonic Nanostructures
16th & 17th August, 2013
Indian Institute of Technology, Kanpur



A focused discussion meeting on Metamaterials and Photonic Nanostructures is organized jointly by the Department of Physics, Indian Institute of Technology Kanpur and the Instruments Research and Development Establishment, Dehradun during 16-17 August 2013.

The program is designed to present the state-of-art developments on metamaterials and nanophotonics, and identify the emerging themes in these areas. The thrust will be on identifying new applications and technologies. Leading international researchers are expected to participate in the programme. All participating young scientists are required to present a poster on their research in the poster session.

Objectives

In recent years, the research area of Nanophotonics has gained enormous importance in view of the likely applications in device-level architectures. Similarly the ideas of metamaterials have gained acceptance and are finding increasing applications from micro-wave frequencies to optical frequencies. The present symposium will discuss techniques for modeling of metamaterials and photonic structures, and fabrication of such structures. Various application for devices and metamaterial applications for cloaking/invisibility will be highlighted. Emphasis will be placed on imparting working knowledge in the above mentioned areas through lectures by experts from India and abroad. Two poster sessions and a panel discussion are expected to result in a high level of interactions and engagement for exchange of idea.

PhD research scholars, Post-doctoral scientist and young scientist working in these areas are strongly encouraged to apply on the application form available on the website.

Patrons: Director IIT Kanpur and Director IRDE Dehradun.

Website: <http://www.iitk.ac.in/phy/Metamaterials2013>

THEMATIC SESSIONS:

- Modeling of active photonics media, metamaterials and devices.
- Fabrication of metamaterials and photonics nanostructures.
- Metamaterials and photonic crystal devices and application.
- Futuristic applications – Cloaking/ Invisibility

Invited Speakers

J. K. Basu (IISc Bangalore)
S. K. Bhadra (CGCRI, Kolkata)
D.R.Chowdhary(NUS,Singapore)
S. Enoch (Fresnel Institut)
A. V. Gopal (TIFR, Mumbai)
R. Jha (IIT, Bhubaneswar)
A. Krishnan (IIT, Madras)
G. V. P. Kumar (IISER, Pune)
G.V. Prakash (IIT, Delhi)
R. De La Rue (Glasgow)
A. Lakhtakia (Penn State University)
O. J. F. Martin (EPF, Lausanne)
K. Sakoda (NIMS, Tsukuba)
G.S. Subramania (Sandia Nat.Labs)
P. Vasa (IIT, Bombay)
N. K. Viswanathan (Univ. Hyderabad)

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Organizing Committee

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