

**Focused discussion meeting on  
Metamaterials and Photonic Nanostructures  
Indian Institute of Technology, Kanpur**

**Day 1, Aug.16, 2013 (Venue: Outreach Building – Main Auditorium)**

08:30-09:00		<b>Registration (Lounge, Outreach Building)</b>
09:00-09:40	<p style="text-align: center;"><b>Inauguration by <i>Prof. I.Manna</i>, Director, IIT Kanpur</b></p> <p style="text-align: center;"><b>Nanophotonics Research in India: a DRDO perspective</b> <i>Dr. A.K.Gupta</i>, Director, IRDE Dehradun</p>	
09:40-10:20	<p><i>Session Chair:</i> <i>Ashutosh Sharma</i> <i>IIT Kanpur</i></p>	<p style="text-align: center;"><b>Surface multiplasmonics and Dyakonov–Tamm waves</b> <i>Akhlesh Lakhtakia</i> <i>Pennsylvania State University</i></p>
10:20-10:50 <b>High Tea</b>		
10:50-11:30	<p><i>Session Chair:</i> <i>Ajay Kumar</i> <i>IRDE,</i> <i>Dehradun</i></p>	<p style="text-align: center;"><b>Active Fourier plane imaging of propagation characteristics of surface plasmons, localized surface plasmons and demonstration of plasmon stimulated emission in dye coated metal</b> <i>Ananth Krishnan</i> <i>Indian Institute of Technology Madras</i></p>
11:30-12:10		<p style="text-align: center;"><b>Plasmonics: Merging metals with semiconductors</b> <i>Parinda Vasa</i> <i>Indian Institute of Technology Bombay</i></p>
12:10-12:50		<p style="text-align: center;"><b>Controlling Emission of Quantum Dots in Hybrid Photonic-Plasmonic Metamaterial templates</b> <i>J.K.Basu</i> <i>Indian Institute of Science Bangalore</i></p>
12:50-14:00 <b>Lunch Break</b>		
14:00-14:40	<p><i>Session Chair:</i> <i>Kehar Singh</i> <i>IIT Delhi</i></p>	<p style="text-align: center;"><b>Study of Modal Guidance in Plasmonic Multi-layered Waveguides and Photonic Crystal Fibers</b> <i>Shyamal K. Bhadra</i> <i>CSIR-Central Glass and Ceramic Research Institute</i></p>
14:40-15.20		<p style="text-align: center;"><b>Sensors based on optical micro-nano fibers</b> <i>Rajan Jha</i> <i>Indian Institute of Technology Bhubaneswar</i></p>
15:20-16:30		<b>Tea Poster Session 1 (Posters P1-P18) (Hall of Fame, Outreach Building)</b>
16:30-17:10	<p><i>Session Chair:</i> <i>A.K.Gupta</i> <i>IRDE Dehradun</i></p>	<p style="text-align: center;"><b>Sub-wavelength, Long-range, Unconventional-polarized Optical Beams</b> <i>Nirmal K. Viswanathan</i> <i>University of Hyderabad</i></p>
17:10-17:50		<p style="text-align: center;"><b>Coupled and Isolated: Plasmonic and Excitonic Nano-Architectures</b> <i>G.V.Pavan Kumar</i> <i>Indian Institute of Science Education and Research, Pune</i></p>
20:00-22:00		<b>Dinner (Type-II Community Centre)</b>

**Day 2, Aug.17, 2013 (Venue: Outreach Auditorium)**

09:00-09:40	<p align="center"><i>Session Chair:</i> <b>R.K.Thareja</b> <i>IIT Kanpur</i></p>	<p align="center"><b>Mode-symmetry requirement for creating photonic Dirac cones in the Brillouin-zone center</b> <i>Kazuaki Sakoda</i> <i>National Institute for Materials Science &amp; Tsukuba University</i></p>
09:40-10:20		<p align="center"><b>Metamaterials for optical and THz regions</b> <i>Achanta Venu Gopal</i> <i>Tata Institute of Fundamental Research, Mumbai</i></p>
10:20-11:00		<p align="center"><b>Ultrafast Active Terahertz Metamaterials</b> <i>Dibakar Roy Chowdhury</i> <i>National University Singapore</i></p>
11:00-11:20	<b>Tea</b>	
11:20-12:00	<p align="center"><i>Session Chair:</i> <b>S.R.Vadera</b> <i>Defense Labs,</i> <i>Jodhpur</i></p>	<p align="center"><b>Naturally self-assembled Inorganic-Organic Multiple Quantum Wells (IO-MQWs): Fabrication to Photonic Applications.</b> <i>G.Vijaya Prakash</i> <i>Indian Institute of Technology Delhi</i></p>
12:00-12:40		<p align="center"><b>Nanophotonic Structures for Control of Light-matter Interaction</b> <i>Ganapathi Subramania</i> <i>Sandia National Laboratories</i></p>
12 :40-13:20		<p align="center"><b>Silicon Photonics: Monolithic Integration of Micron to Sub-Micron Waveguide Devices</b> <i>Bijoy K, Das</i> <i>Indian Institute of Technology Madras</i></p>
13:20-14:20	<b>Lunch Break</b>	
14:20-15:00	<p align="center"><i>Session Chair:</i> <b>K.Thyagarajan</b> <i>IIT Delhi</i></p>	<p align="center"><b>Photonic Structured Materials Fabrication and Applications</b> <i>Joby Joseph</i> <i>Indian Institute of Technology Delhi</i></p>
15:00-15.40		<p align="center"><b>Photonic crystal ring resonators for communication and sensor applications</b> <i>T.Srinivas</i> <i>Indian Institute of Science, Bangalore</i></p>
15:40-17:00	<b>Tea</b>	<b>Poster Session 2 (Posters P19-P36) (Hall of Fame, Outreach Building)</b>
17:00-17:40	<b>Talks by IITK group members</b>	
17:40-18:10	<b>Meeting ends</b>	<b>High Tea</b>
18:10-19:00	<b>Meeting on DRDO Nanophotonics Programme (by invitation)</b>	
20:00-22:00	<b>Dinner</b>	