

International Workshop on **NANOPHOTONICS USING STRUCTURED LIGHT**



PLENARY LECTURE

Prof. Paras N Prasad

State University of New York (SUNY)
at Buffalo, USA



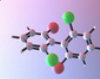
CHIEF PATRON

Prof. Sunil Kumar Khare

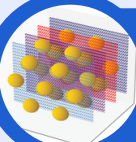
DIRECTOR

Indian Institute of Science Education and Research,
Kolkata

Chiral Nano-Photonics



Metasurface & Metamaterials



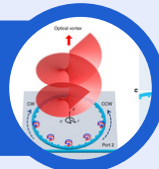
Sensing and Metrology



AI Based Sensor Design



Spin-Orbit Photonics



09:00AM IST



07th March 2026



ROYAL BENGAL ROOM
City Centre 1, Kolkata, India



PARC

Scheme for Promotion of Academic and Research Collaboration

WORKSHOP DETAILS

The International workshop is focused on the recent advances and current trends of the rapidly growing fields of Nanophotonics using structured light. The workshop will cover fundamentals and emerging phenomena associated with spin-orbit interaction of light, interaction of structured light with chiral metasurfaces, plasmonic and hybrid metamaterials, 2-D layered materials, etc. Emphasis will be placed on potential applications in classical and quantum information processing, optical computing and data storage, miniaturized multifunctional photonic devices for sensing and metrology, and on-chip photonic technologies. The intent of the workshop is to summarize the current state of research in these promising fields that are breaking new ground into the domain of nano-photonics, facilitate insight and understanding of the recent trends and findings, indicate the outstanding issues, and point toward the future of this field. The intent is to stimulate new ideas and encourage further research in these domains.

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PLENARY LECTURE

Prof. Subhasish Dutta Gupta

PROFESSOR
TIFR - Hyderabad


PLENARY LECTURE

Prof. Venu Gopal Achanta

DIRECTOR
CSIR-National Physical Laboratory

Prof. Ayan Banerjee

Indian Institute of Science Education and
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Prof. Manik Pradhan

S.N. Bose National Centre for Basic Sciences


Prof. Sajal Dhara

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Dr. Soma Bandyopadhyay

Principal Scientist
TCS Research

Prof. Kamaraju Natarajan

Indian Institute of Science Education and
Research- Kolkata

Prof. Nirmalya Ghosh

Indian Institute of Science Education and
Research- Kolkata

Prof. Debdatta Ray

Indian Institute of Technology, Kanpur



SPONSORS & PARTNERS

This international workshop is supported by academic and industry partners



REGISTER FOR OUR WORKSHOP

REGISTRATION CHARGES

Faculty: ₹ 500/-

Students: ₹ 100/-

<https://sites.google.com/iiserkol.ac.in/sparc/workshop/registration?authuser=0>



Scan the QR to for the registration page

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