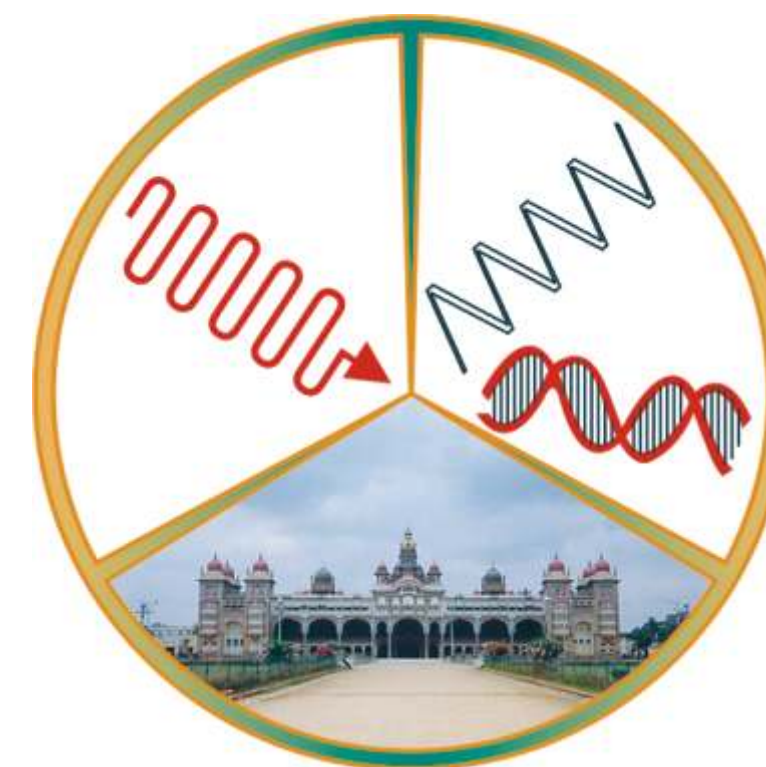


First Circular

Optical Probes 2005



6th International Topical
Conference on

Optical Probes of
Conjugated Polymers
and Biosystems

January 4-8, 2005
Bangalore (India)

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Conference web-site

[Http://www.jncasr.ac.in/op2005](http://www.jncasr.ac.in/op2005)
See the conference web-site to:

- submit abstracts
- register
- book hotel rooms
- read the final program
- find information about Bangalore



IISc
&
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About the Conference Series

This meeting is the sixth of a very successful series of topical conferences held in Snowbird 1991, followed by Salt Lake City 1994, San Diego 1997, Salt Lake City 2000, Venice 2003.

Optical Probes 2005 will deal with optical effects and photophysics of novel organic and polymeric molecular materials with high technological impact. The event provides a great opportunity for chemists, physicists, biologists and device engineers to meet and discuss ideas, solutions and future issues on organic molecular photophysics and optoelectronics.

No parallel sessions are planned and the programme is scheduled to provide room for discussion in a friendly and open environment.

VENUE

The SIXTH INTERNATIONAL TOPICAL CONFERENCE ON OPTICAL PROBES OF CONJUGATED POLYMERS (Op2005) is held at

**Indian Institute of Science and
Jawaharlal Nehru Centre for Advanced
Scientific Research Campuses**

Bangalore is one of the most important scientific, cultural and artistic centers in India and is home to several excellent hotels and dining places specifically catering to International visitors. The city, apart from being widely known as the Silicon Valley of India, is famous for its salubrious weather conditions, verdant environment, culturally vibrant and intellectually stimulating ambience. It is well connected by air, rail and road. It offers a central location for important tourist attractions in the Deccan plateau. VISA is required for travel to India.

Scope & Topics

This meeting deals with optical properties of conjugated polymers, fullerenes, MX chains, organic and bio supramolecular structures and photonic crystals. Special focus of this edition will be optical probing of BIOSYSTEMS, including single molecule spectroscopy and sensors. Particular emphasis will be placed on optical nanoprobe, time resolved spectroscopy and nonlinear techniques.

Major areas of interest are:

- ✓ Optical probes of excited states
- ✓ Physics of optoelectronic devices including LED, FET, photovoltaic and solar cells
- ✓ Laser action in films, microcavities and photonic crystals
- ✓ Charge transfer processes
- ✓ Energy transport processes
- ✓ Photoconductivity and other electron transport processes
- ✓ Ultrafast spectroscopy
- ✓ Nonlinear optics
- ✓ Theoretical modeling of electronic and vibrational states
- ✓ Raman scattering and other phonon spectroscopies
- ✓ Optically detected structure modifications
- ✓ Metallic photonic crystals
- ✓ Molecular ordering, intermolecular interactions and electronic structure
- ✓ Carbon nano-systems
- ✓ Magneto-optics
- ✓ Superstructures, supramolecular organization and thin films
- ✓ Single crystals of oligomers and acenes
- ✓ Semiconducting (organic and inorganic) and metallic nanoparticles

Abstract Submission & Proceedings

Interested participants may submit an abstract as per instructions available at the conference web site (<http://www.jncasr.ac.in/op2005>). Submissions can be made by hard copy or by e-mail (op2005@jncasr.ac.in) to the Chairman OP2005.

A book of abstracts will be provided to all the participants during the meeting. It is also planned that all the papers presented at the meeting will be brought out in a Special Issue in an International Journal. The manuscripts, accepted by the conference Editors, will be refereed at the conference according to the standard journal policy. In the second circular, the deadlines as well as the registration details will be provided.

Those interested in receiving the second circular, are requested to kindly complete the registration form available at the conference web site.



EXHIBITION & SOCIAL EVENTS

Space for stalls will be available for Companies and others to display their products/instruments. Interested Companies are invited to contact the Chairman OP2005. Excursions and Conference Banquet are currently being planned.

Information will be available in
<http://www.jncasr.ac.in/op2005>.

