

Raman Centre for Atomic, Molecular & Optical Sciences  
**Indian Association for the Cultivation of Science**  
Jadavpur, Kolkata 700032

Two-day workshop on selected topics in modern optics  
**Optomechanics, Orbital Angular Momentum & Spin-Orbit Interactions of Light**  
12 & 13 January 2017

### **Speakers & the title of talks**

**Subhasish Dutta Gupta, University of Hyderabad**  
Transverse spin in planar and spherical nanostructures

**Mishkat Bhattacharya, Rochester Institute of Technology**  
(a) Cavity optomechanics of linearly vibrating systems  
(b) Optomechanics based on the exchange of orbital angular momentum between light and matter

**Bimalendu Deb, IACS**  
A basic introduction to orbital angular momentum of light & its potential applications

**Nirmalya Ghosh, IISER, Kolkata**  
Weak measurements on spin optical effects

**Prasanta Panigrahi, IISER, Kolkata**  
To be announce (TBA)

**Ayan Banerjee, IISER, Kolkata**  
Optical tweezers

**Sonjoy Majumder, IIT-Kgp**  
TBA

**Tarak Nath Dey, IIT Guwahati**  
TBA

**To participate, please register by sending an email to:**  
Arpita Pal, Sr. Research Scholar, IACS  
Email: [msap2@iacs.res.in](mailto:msap2@iacs.res.in)

**Registration fee:** Rs. 200/-

**Last date of registration:** 04 Jan 2017