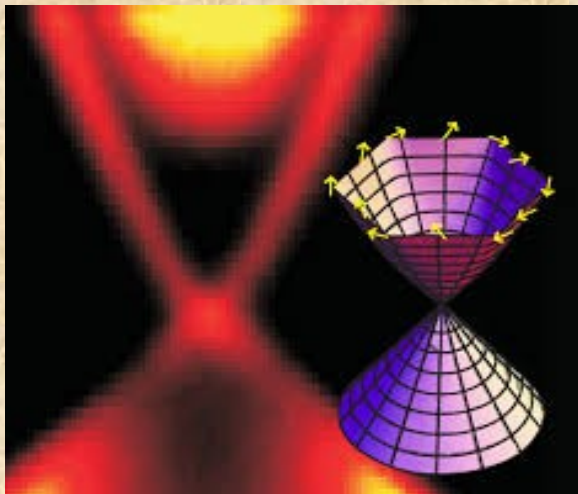
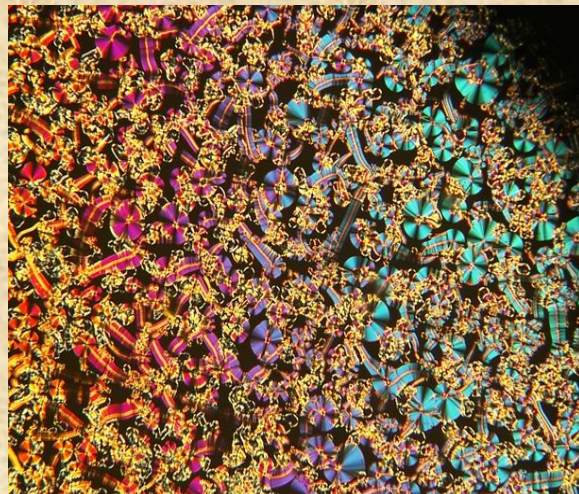


Workshop on  
**Frontier Areas in Condensed Matter and  
Statistical Physics**  
**Department of Physical Sciences, IISER  
Kolkata**



(Courtesy: physics.aps.org)



(Courtesy: www.materialstoday.com)

**Date : February 23 - 24, 2018**  
**Venue : TRC Auditorium, 2nd Floor, IISER Kolkata**

**The workshop aims to bring together leading researchers in  
Condensed Matter and Statistical Mechanics to highlight recent  
progress as well as outstanding problems in these fields.**

**Invited Talks**

**G. Baskaran (I.M.Sc., Chennai)**

There is Room for Room Temperature Superconductivity

**Jayanta K. Bhattacharjee (I.A.C.S., Kolkata)**

Statistical Mechanics and Fully Developed Turbulence

**Sourav Pal (IISER Kolkata)**

Atomic clusters as functional materials: Density functional theoretic study

**Surajit Sengupta (TIFR, Hyderabad)**

Assembling colloidal crystals using laser templates

**Arghya Taraphder (IIT Kharagpur)**

Revisiting metamagnetism in correlated electrons

**Pinaki Majumdar (HRI, Allahabad)**

Superconductivity near an antiferromagnetic Mott insulator.

**Sudhansu Mandal (IIT Kharagpur)**

Jastrow-Form of the Ground-State Wave Functions for All  
Fractional Quantum Hall States

**Mukul S. Laad (I.M.Sc., Chennai)**

Superconductivity in the Iron Age : A View From LDA+DMFT Studies

**Organisers**

**Subhasis Sinha**

**Siddhartha Lal**

**Bhavtosh Bansal**

**Supratim Sengupta**

**Contact**

**Subhasis Sinha**

(subhasis[at]iiserkol.ac.in)

**Siddhartha Lal**

(slal[at]iiserkol.ac.in)

<https://physics.iiserkol.ac.in>

**IISER Kolkata,  
Mohanpur-741246,  
West Bengal, India**