

Superconductivity@100: Current Research Issues @TIFR
(13th April, 2011, Venue: Lecture Theatre)

1st session

9:30-10:00

Srinivasan Ramakrishnan: Strongly correlated superconductivity in Platinum Group Metal Chalcogenides: A Possible New Lead

10:00-10:30

P. L. Paulose: The iron age of superconductivity

10:30-10:50

Neeraj Goyal: Evolution of Superconductivity with Doping in Single Crystalline $\text{CaFe}_{2-x}\text{T}_x\text{As}_2$ (T=Co,Ni)

10:50-11:10: Coffee Break

11:10-11:30: Felicitation of Prof. R Vijayaraghavan

2nd session

11:30-12:00

Arun Kumar Grover: Surface superconductivity and novel features elucidating crossover and interplay between compressed flux regime and Abrikosov vortex state

12:00-12:30

Pratap Raychaudhuri: Superconductivity close to localization threshold

12:30-1:00

Arun Paramakanti: Supercurrents and competing charge density wave orders in strongly correlated superconductors

1:00-2:30: Lunch Break

3rd session

2:30-3:00

Mandar Deshmukh: Probing charge density wave transition at the nanoscale in NbSe₂ using NEMS resonators

3:00-3:30

Sangita Bose: Quantum size effects in nanoscale superconductors

3:30-4:00: Coffee Break

4:00-5:00

Colloquium: Satyajit Banerjee: Competing phases and driving through jam in a superconductor