

PROGRAMME

(UK Delegation: Professor Hagan Bayley, Professor Colin Bain, Dr Alejandra Palermo, Dr Nicholas Brooks, Mr Thomas Faust and Mr Thomas Huddle, Dr Hugo Vits)

Monday 13th September

RSC/CRSI IIT Kanpur SYMPOSIUM on the CHEMICAL SCIENCES

Venue: L-13, Lecture Hall Complex

- 12.00 Meeting with Prof. R. N. Mukherjee, Chairman and Vice-President, CRSI
- 12.45 Lunch (New Dining Hall, Visitor's Hostel)
- 14.00 **Talk 1** **"Exploitation of sterics: control of molecular reactivity and organization"** *Jarugu N. Moorthy, IIT Kanpur*
- 14.20 **Talk 2** **"Engineered protein nanopores in biotechnology"**, *Hagan Bayley, Oxford University*
- 14.40 **Talk 3** **"Macrobicyclic Cryptands Made Livelier : Emission and Other Studies"** *Parimal K. Bharadwaj, IIT Kanpur*
- 15.00 **Talk 4** **"High Pressure: A Trigger for Biomolecular Transformations"** *Nicholas Brooks, Post-doctoral researcher, Imperial College*
- 15.20 **Talk 5** **"Molecular structure and properties of metal-adenine frameworks"** *Ashutosh K. Mishra, Doctoral researcher, IIT Kanpur*
- 15.40 **Coffee Break**
- 16.10 **Talk 6** **"Nanofluidic networks built and controlled by light"**, *Colin Bain, Durham University*
- 16.30 **Talk 7** **"Intramolecular Energy Flow: eigenstates, dynamics and control"** *K. Srihari, IIT Kanpur*
- 16.50 **Talk 8** **"Achieving Spin Entanglement Between Molecular Nanomagnets - a lead into quantum information processing"** *Thomas Faust, PhD student, Manchester University*
- 17.10 **Talk 9** **"First Principles molecular dynamics studies on lithium atom solvation in polar binary liquid mixtures"** *Shubha Pratihar, Post-doctoral researcher, IIT Kanpur*
- 17.30 **Talk 10** **"The Generation of Acrylic Monomers from Renewable Feedstocks"**, *Thomas Huddle, PhD student, Nottingham University*
- 17.50 **Talk 11** **"The Energy Challenge"**, *Hugo Vits, Shell Global Solutions Downstream*
- 17.50 **Wrap-up (Drs. Alejandra Palermo and Sandeep Verma)**