

India Roadshow Programmes

Tuesday 4 November, IIT Delhi

Analytical Science Symposium

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|-------|---|
| 09.00 | Welcome remarks and inauguration |
| 09.10 | *Plenary: The nature of the mechanical bond Sir Fraser Stoddart |
| 09.50 | Mass spectrometry in structural biology: Surface-induced dissociation/ion mobility of protein complexes Vicki Wysocki |
| 10.20 | Off/on-line NMR spectroscopy: a tool to support polyolefin R&D and manufacturing operations G.S. Kapur |
| 10.50 | Tea break and posters |
| 11.10 | The role of ionic liquids in the analysis of polycyclic aromatic hydrocarbons Siddharth Pandey |
| 11.40 | Redox mediator functionalized CNT modified electrodes as an elegant detector for selective flow injection analysis Annamalai Senthil Kumar |
| 12.10 | Biological and ecological toxicity of engineered nanomaterials Christy Haynes |
| 12.40 | Lunch and posters |
| 13.40 | *Plenary: Nanoparticle based analysis of biomolecules, cells and tissue Duncan Graham |
| 14:20 | Panel discussion and workshop <i>Funding research, awareness of analytical science, and the need for industry-academia collaboration</i> Chairs: Alan Handley and AA Gupta |
| 15:20 | Tea break and posters |
| 15.50 | Summary and suggested actions from workshop |
| 16.20 | Young researcher session Science communication Navigating your career in the chemical sciences |
| 17.00 | Closing remarks and poster prizes |

***These plenary sessions are across both symposia streams**

Tuesday 4 November, IIT Delhi

Supramolecular Chemistry and Organic Materials Symposium

| | | |
|-------|--|--|
| 09.00 | Welcome remarks and inauguration | |
| 09.10 | *Plenary: The nature of the mechanical bond Sir Fraser Stoddart | |
| 09.50 | Towards complex multidrug delivery carriers Eva Harth | |
| 10.20 | Supramolecular chemistry with designer peptides V. Haridas | |
| 10.50 | Tea break and posters | |
| 11.10 | Porous crystalline covalent organic frameworks with exceptional chemical stability for catalysis and proton conduction Rahul Banerjee | |
| 11.40 | Engineering of multiple crystal forms utilising acid-pyridine synthon Arunachalam Ramanan | |
| 12:10 | Stabilization of organic radical ions and ultra-electron deficient systems: A new design paradigm applying the phosphonium group Pritam Mukhopadhyay | |
| 12.40 | Lunch and posters | |
| 13.40 | *Plenary: Nanoparticle based analysis of biomolecules, cells and tissue Duncan Graham | |
| 14:20 | New receptors and transporters for anions and amino acids Philip A. Gale | |
| 14:50 | Bile acid-based supramolecular chemistry: design of receptors for ion recognition Pramod S. Pandey | |
| 15:20 | Tea break and posters | |
| 15.50 | Nanocarbons for optoelectronic applications Dirk M. Guldi | |
| 16.20 | Young researcher session Science communication Navigating your career in the chemical sciences | |
| 17.00 | Closing remarks and poster prizes | |

***These plenary sessions are across both symposia streams**

Friday 7 November, University of Hyderabad

Analytical Science Symposium

| | |
|-------|---|
| 09.30 | Welcome remarks and inauguration |
| 09.40 | *Plenary: The nature of the mechanical bond Sir Fraser Stoddart |
| 10.20 | Biological and ecological toxicity of engineered nanomaterials Christy Haynes |
| 10.50 | 'Off-on' fluorescence signalling of the transition metal ions: Designing new strategies Anunay Samanta |
| 11.20 | Tea break and posters |
| 11.40 | Nanoparticle based analysis of biomolecules, cells and tissue Duncan Graham |
| 12.10 | Solid form identification by Raman spectroscopy and surface mapping Jagadeesh Babu Nanubolu |
| 12.40 | Nanoparticle-coupled imine linkage-based receptors for voltammetric sensing of Al(III) and Co(II) ions Susheel K. Mittal |
| 13.10 | Lunch and posters |
| 14.10 | *Plenary: Mass spectrometry in structural biology: Surface-induced dissociation/ion mobility of protein complexes Vicki Wysocki |
| 14.50 | Panel discussion and workshop <i>Industry-academia collaboration, access to instrumentation, training and development for graduates</i> Chairs: Alan Handley and Srinivasan Duraiswamy |
| 15.50 | Tea break and posters |
| 16.10 | Summary and suggested actions from workshop |
| 16.50 | Young researcher session Science communication Navigating your career in the chemical sciences |
| 17.30 | Closing remarks and poster prizes |

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Friday 7 November, University of Hyderabad

Supramolecular Chemistry and Organic Materials Symposium

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| 09.30 | Welcome remarks and inauguration |
| 09.40 | *Plenary: The nature of the mechanical bond Sir Fraser Stoddart |
| 10.20 | Nanocarbons for optoelectronic applications Dirk M. Guldi |
| 10.50 | Light management using nano-photonic organic materials Rajadurai Chandrasekar |
| 11.20 | Tea break and posters |
| 11.40 | Supra-molecular self assembly of porous crystalline covalent organic nano sheets Rahul Banerjee |
| 12.10 | Asymmetric supramolecular-catalysis: Emerging protocol to achieve high asymmetric induction from the highly functionalized substrates B. Ramachary |
| 12.40 | Lunch and posters |
| 13.10 | *Plenary: Mass spectrometry in structural biology: Surface-induced dissociation/ion mobility of protein complexes Vicki Wysocki |
| 14.10 | New receptors and transporters for anions and amino acids Philip A. Gale |
| 14.50 | Inorganic-organic hybrid polymers and hyper-structured molecules for li-ion conductivity Krishnamurthi Muralidharan |
| 15.50 | Tea break and posters |
| 16.10 | Towards complex multidrug delivery carriers Eva Harth |
| 16.50 | Young researcher session Science communication Navigating your career in the chemical sciences |
| 17.30 | Closing remarks and poster prizes |

***These plenary sessions are across both symposia streams**

Monday 10 November, IIT Madras

Analytical Science Symposium

| | |
|-------|--|
| 09.00 | Welcome remarks and inauguration |
| 09.10 | *Plenary: The nature of the mechanical bond Sir Fraser Stoddart |
| 09.50 | Nanoparticle based analysis of biomolecules, cells and tissue Duncan Graham |
| 10.20 | Elemental speciation studies Karunasagar Dheram |
| 10.50 | Tea break and posters |
| 11.10 | Mass spectrometry in structural biology: Surface-induced dissociation/ion mobility of protein complexes Vicki Wysocki |
| 11.40 | Latest trends in gas chromatography for flavour and fragrance applications K. Sundararajan |
| 12.10 | Chemically modified electrodes as amperometric sensors S. Sriman Narayanan |
| 12.40 | Lunch and posters |
| 13.40 | *Biological and ecological toxicity of engineered nanomaterials Christy Haynes |
| 14:20 | Panel discussion and workshop <i>Awareness of the value of analytical chemistry, outreach activities, teaching of analytical science</i> Chairs: Alan Handley and T Pradeep |
| 15:20 | Tea break and posters |
| 15.50 | Summary and suggested actions from workshop |
| 16.50 | Young researcher session Science communication Navigating your career in the chemical sciences |
| 17.30 | Closing remarks and poster prizes |

***These plenary sessions are across both symposia streams**

Monday 10 November, IIT Madras

Supramolecular Chemistry and Organic Materials Symposium

| | |
|-------|--|
| 09.00 | Welcome remarks and inauguration |
| 09.10 | *Plenary: The nature of the mechanical bond Sir Fraser Stoddart |
| 09.50 | New receptors and transporters for anions and amino acids Philip A. Gale |
| 10.20 | Chemically modified electrodes – charge transport and applications M.V. Sangaranarayanan |
| 10.50 | Tea break and posters |
| 11.10 | Immiscibility-driven self-segregation and ordering of polymers S Ramakrishnan |
| 11.40 | Synthesis and nanoscale self-assembly of functional molecules Venkatakrishnan Parthasarathy |
| 12.10 | Terpyridine metal complexes as supramolecular synthons S.Balasubramanian |
| 12.40 | Lunch and posters |
| 13.40 | *Biological and ecological toxicity of engineered nanomaterials Christy Haynes |
| 14.20 | Nanocarbons for optoelectronic applications Dirk M. Guldi |
| 14.50 | Synthesis and application of organic nanomolecules Prof. P. Rajakumar |
| 15.20 | Tea break and posters |
| 15.50 | Towards complex multidrug delivery carriers Eva Harth |
| 16.20 | Mesoionic carbene-Pd complexes. New synthetic methodology, structures and catalytic activity of 1,2,3-triazol-5-ylidene-Pd complexes S. Sankararaman |
| 16.50 | Young researcher session Science communication Navigating your career in the chemical sciences |
| 17.30 | Closing remarks and poster prizes |

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