

Temporally and Spatially Resolved Molecular Science

Faraday Discussion 177



Monday 12 January

10:00	Registration, Tea and Coffee	
11:00	Welcome to Bangalore /TBA	
12:00	Lunch	
12:45	Welcome and Introductions Chair of Scientific Committee	
12:55	Outline of Discussion Format Publishing Editors	
13:00	Introductory Lecture Volker Deckert <i>Jena University</i>	Paper 1
	Session 1: Dynamics of chemical bond Session Chair:	
14:00	TBC Godfrey Beddard <i>University of Leeds</i>	Paper 2
14:05	Breaking of a bond: when is it statistical? Srihari Keshavamurthy <i>Indian Institute of Technology Kanpur</i>	Paper 3
14:10	Spectroscopic and dynamical images of roaming molecules at the verge of their breakdown Vincenzo Aquilanti <i>Università di Perugia</i>	Paper 4
14:15	Discussion	
15:30	Afternoon Tea	
16:00	Dynamics of chemical bond, intra- and inter-molecular Elangannan Arunan <i>Indian Institute of Science Bangalore</i>	Paper 5
16:05	Vibrational Dynamics of the CO Stretching of 9-Fluorenone Keisuke Tominaga <i>Kobe University</i>	Paper 6
16:10	The long and short of weak interactions Eluvathingal Jemmis <i>Indian Institute of Science, Bangalore</i>	Paper 7
16:15	Discussion	
17:45	Poster Session and Wine Reception	

Tuesday 13 January

	Session 2: Time and Space resolved Methods Session Chair:	
09:00	Structural and Functional Characterization of Pluronic Copolymer Micelle Encapsulated Scr7 as a Potential Anticancer Agent Franklin John <i>Biotechnology Laboratory, PG and Research Department of Chemistry, Sacred Heart College, Kochi, India</i>	Paper 8
09:05	The Effect on Structural and Solvent Water Molecules of Substrate Binding to Ferric Horseradish Peroxidase Neil Hunt <i>University of Strathclyde</i>	Paper 9
09:10	Electronic Excitations in Molecular Solids: Bridging Theory and Experiment Jonathan Skelton <i>University of Bath</i>	Paper 10
09:15	Discussion	
10:30	Morning Tea	
11:00	Excited state dynamics of organic semiconducting molecules Ken Ghiggino <i>University of Melbourne</i>	Paper 11
11:05	Spectroscopic Resolution Enhancement through Microscopic Spatiotemporal Control Debabrata Goswami <i>Indian Institute of Technology Kanpur</i>	Paper 12
11:10	On the photophysics of blue emitting butadiyne bridged pyrene-phenyl conjugates: intramolecular charge transfer and its tuning by molecular aggregation Ashok Kumar Mishra <i>Indian Institute of Technology Madras</i>	Paper 13
11:15	Discussion	
12:30	Lunch	
	Session 3: Local and Global Dynamics Session Chair:	
13:30	Dynamic Single-Crystal Crystallography on Photoactivated Molecular Complexes Paul Raithby <i>University of Bath</i>	Paper 14
13:35	Mechanism of Operation of the Blue Light Using Flavin Domain Sensor through Mutagenesis Stephen Meech <i>University of East Anglia</i>	Paper 15
13:40	Ultrafast Dynamics in Chemical and Biological Systems: Study through Spectroscopy and Computer Simulations Biman Bagchi <i>Indian Institute of Science</i>	Paper 16
13:45	Discussion	
15:00	Afternoon Tea	
15:30	Vibronic structure in the far-UV electronic circular dichroism spectra of proteins Jonathan Hirst	Paper 17

	<i>The University of Nottingham</i>	
15:35	The SOS/QM/MM Approach: A theoretical procedure to tackle bidimensional electronic spectroscopy from first principles Artur Nenov <i>Universita di Bologna</i>	Paper 18
15:40	Erasing spin-state concentration waves with light: the role of thermal mixing Marylise Buron-Le Cointe <i>University Rennes 1</i>	Paper 19
15:45	Discussion	
17:00	Close of sessions	
19:00	Pre-Dinner Drinks	
19:30	Conference Dinner	

Wednesday 14 January

	Session 4: Future challenges Session Chair:	
09:00	TBC Shaul Mukamel <i>University of California, Irvine</i>	Paper 20
09:05	Watching nanocrystals form Bo Brummerstedt Iversen <i>Aarhus University</i>	Paper 21
09:10	Disentangling Detector Data in XFEL Studies of Solution State Chemistry Martin Meedom Nielson <i>Technical University of Denmark</i>	Paper 22
09:15	Discussion	
10:30	Morning Tea	
11:00	Mapping Atomic Motions with Ultrabright Electrons: the Chemists' Gedanken Experiment Enters the Laboratory Frame Dwayne Miller <i>Max Planck Institute for the Structure and Dynamics of Matter</i>	Paper 23
11:05	TBC Martin Zanni <i>University of Wisconsin-Madison</i>	Paper 24
11:10	Phase Modulation Nanoscopy and bright luminescent europium(III) probes : enhanced optical resolution Robert Pal <i>Durham University</i>	Paper 25
11:15	Discussion	
12:30	Concluding remarks Wolfgang Junge <i>Universität Osnabrück</i>	Paper 26
13:15	Acknowledgements	