

One-Day Symposium on Spectroscopic and computational studies of complex chemical systems at different time and length scales

Date: December 22, 2018

Venue: PBCEC Lecture room

Time	Speaker	Title of Talk
9:10	Opening Remarks	
9:20 to 9:55	K. Tominaga (Kobe University)	Dynamics of water, aqueous solutions, and proteins studied by nonlinear IR spectroscopy and broadband dielectric spectroscopy
9:55 to 10:30	Rajib Mitra (SNB Centre, Kolkata)	Investigation of Collective Vibrational Dynamics of Water in Presence of Solutes: A THz Spectroscopic Approach
10:30 - 11:00	TEA	
11:00 – 11:35	D. Goswami (IIT Kanpur)	Solvent effect on multiple emission and Femtosecond dynamics of higher lying excited states: Evidence of Microheterogeneity induced Coherent oscillations
11:35 – 12:10	S. Mukhopadhyay (IISER Mohali)	Phase Separation and Aggregation of Intrinsically Disordered Proteins
12:10 12:45	P. Sen (IIT Kanpur)	Bi-molecular Photo-induced Electron Transfer and Illustration of Marcus Inversion
12:45 to 14:20	LUNCH	
14:20 – 14:55	S. Saito (IMS, Okazaki)	Supercooled water: Structure, dynamics, thermodynamics, and glass transition' .
14:55 – 15:30	J.K. Singh (IIT Kanpur)	Nucleation of aqueous salt solutions on solid surfaces
15:30- 16:05	S. Bagchi (NCL Pune)	Ultrafast solvent dynamics mediated interplay between energetically disparate non-covalent interactions in solution
16:05 – 16:35	TEA	
16:35 – 17:10	Kailash C. Jena (IIT Ropar)	Sum Frequency Generation Vibrational Spectroscopy and its Relevance to Probe Drug Polymer Interaction at Aqueous / Air Interface
17:10 – 17:45	J. Mondal (BARC Mumbai)	Heterodyne-Detected Vibrational Sum Frequency Generation Study of Atmospherically and Biologically Relevant Soft Interfaces".
17:45 – 18:20	A. Chandra (IIT Kanpur)	Liquid-Vapor Interfaces of Aqueous Solutions of tert-Butyl and Stearyl Alcohols: Calculations of Vibrational Sum Frequency Generation Spectra from Molecular Dynamics Simulations
18:20 – 18:25	Concluding Remarks	