

POSTERS – DAY 1 (02-Jan-2016)

Poster	Name	Title
<b>ACTIVE/LIVING MATTER</b>		
1	Agnit Mukhopadhyay (PEC Chandigarh)	Numerical Estimation of Aerodynamic Parameters of a morphing flapping wing modelled after bat flight
2	Praveen P ( Bangalore Uni )	Reorientation dynamics of Chicken RBC in an optical trap
3	Mainak Ghosh (IISER Pune)	Active Matter: Run and Tumble Model Incorporating Hydrodynamic Interactions
4	N. Sengupta	Self-Association, Nanosurface Adsorption and Electrical Response of a Putative Amyloid Peptide
5	Pranay Mandal (Center NSE IISc)	Achieving Independent Control in Magnetically Powered Reciprocal Swimmers
6	Sankalp Nambiar (EMU, JNCASR)	The evolution of the phase-space probability density in a dilute bacterial suspension
7	Venkata Sathish (OIST, Japan)	Hydrodynamics of a self-propelled camphor boat
8	Tejal Agarwal (IISER Pune)	Conformation obtained from contact maps of bacterial (prokaryotic) DNA
9	Md Ashique Hassan (BIT, Patna)	
10	Nisha Katyal (JNU)	
11	Rajesh Singh (IMSc)	Hydrodynamically mediated forces between active colloids
<b>RHEOLOGY</b>		
12	Abhijeet Ojha (IITGN)	Rheological Studies of Sol-Gel Transitions in Aqueous Dispersions of Graphene Oxide
13	Mohammad Aashique Hassan (BIT Patna)	
14	Bikash Sahoo (NIT Rourkela)	Non-Newtonian boundary layer flow near a stagnation point
15	Chandana Mandal (Wiezmann Israel)	Magnetoelastic coupling induced uniaxial magnetic anisotropy in amorphous magnetic thin films
16	Danny Raj Masila (IITM)	Coalescence propagation in 2D concentrated poly-disperse emulsions
17	Jinesh Machale (ISM Dhanbad)	Preparation, characterization and Rheological behavior of Polyacrylamide, Polysaccharides and their blend solutions in Enhanced Oil Recovery application
18	Kalyani Kulkarni (RIL Mumbai)	Extrusion film casting of long chain branched polypropylene
19	Kiran Patruni (IITKGP)	Effect of process parameters on the viscoelastic, functional and morphological properties of reconstituted Aloe vera (Aloe barbadensis Miller) hydrogels
20	Prasad Sonar (IITK)	Granular Flows Over a Flexible Base
21	Pritha Dolai (IITM)	The dynamics of a drifting colloidal crystal in electrophoresis and the KPZ universality
22	Rekha S (Bangalore Uni )	Flow of membrane elasticity tuned red blood cell suspension through cellulose acetate microchannels
23	Saikat Basu (OIST Japan)	Mathematical model for drop impact on inclined soap film flows

POLYMERS AND LIQUID CRYSTALS		
24	Dipankar Basak (IACS Kolkata)	Core Functionalized Block Copolymer Micelle: Insights into Dynamics and pH-Responsive Swelling
25	Jaya kumar Alageshan (IISC)	Tent morphology of polymer crystallites
26	Kartika S (NCL)	How we crosslink determines if colloidal assemblies recover elastically or fail plastically on compression
27	K Shanmuganathan (NCL)	Melanin-based Composite Materials for Multifunctional Applications
28	Lairenjam Pradeepkanti (IITM)	
29	M V Rasna (Hyd Uni)	Orientation, interaction and laser assisted self-assembly of organic single-crystal micro- sheets in a nematic liquid crystal
30	Prithankar Pramanik (IACS Kolkata)	Thermally induced two-step aggregation of a double hydrophilic block copolymer
31	Raju Bej (IACS Kolkata)	Glutathione-Responsive Disassembly of Amphiphilic Poly(disulfide) Micelle
32	Sagar Sourav (IITK)	
WETTING/ADHESION		
33	Harish Dixit (IIT-Hyd)	A floating prolate spheroid on a curved interface
34	Jitesh Barman (IITK)	Electrowetting on dielectrics on lubricant fluid infused slippery surfaces with negligible hysteresis
35	Pritam Kumar Roy (IITK)	Mechanical tunability of superhydrophobicity and slippery behavior on PDMS based wrinkles
36	Arun Banpurkar (Uni Pune)	Electrowetting driven wetting transitions on patterned and random-rough surfaces
NANOPARTICLES/COLLOIDS		
37	Arghya Maj (MPI, Germany)	Electrostatic interaction between colloids trapped at an electrolyte interface
38	Ashish Y (FC Pune)	Reliable hydrophobicity droplet rebounding on ZnO-Cu <sub>2</sub> O multiscale hetero-nanostructures
39	Bipul Biswas (NCL)	Colloidal Assembly by Ice Templating
40	Lalit Bansal (IISC)	A sequential two-stage invagination process in drying nanoparticle laden droplets on a hydrophobic substrate
41	H Kakoty (IISC)	Confined colloidal clusters
42	Chandan Kumar (JNCASR)	Self-limited colloidal self assembly
43	Mayank Mishra (Col Uni )	Understanding ice-templating using molecular dynamics
44	Mubeena Shaikh (IISER Pune)	Self aggregation of nanoparticles in micellar matrix and its effect on micellar arrangement
45	Sayantana Acharya (NCL)	Diffusion of small solute particles in viscous liquids: Cage diffusion, a result of decoupling of solute-solvent dynamics leads to amplification of solute diffusion
46	Zakiya Shireen (IITD)	Irreversible aggregation of binary sticky spheres

POSTERS – DAY 2 (03-Jan-2016)

Poster	Name	Title
<b>SURFACTANT SYSTEMS</b>		
1	Amrita Sikder (JU Kolkata)	H..bond directed distinct functional group display at surface of vesicles and its impact on enzyme inhibition
2	Geethu P M (IITM)	Dynamics, structure and interfacial rigidity of polymer loaded microemulsions: A dielectric spectroscopy study
3	Manoj Kumar (NCL)	Slow release of encapsulated molecules from lipid-water-polymer ternary matrix
4	Meera Thomas (RRI)	Polyelectrolyte induced swelling of an amphiphilic lamellar phase
5	Priya Rajdev (IACS Kolkata)	
6	P Dubey (BARC)	Dynamics of CTAB in Hybrid CTAB-Hydroxyapatite System: Neutron Scattering Studies
7	Subhankur Mitra (BARC)	Dynamics of Micelles and Vesicles as Envisaged through Neutron Scattering and Molecular Dynamics Simulation
8	Sonali Kulkarni	Langmuir monolayer studies of comb polymer
9	Linnet Rose (NIT-Calicut)	
	<b>RHEOLOGY</b>	
10	Saket Kumar (IITGN)	Fumed Alumina Suspensions - Effect of Shear, Electric Field and Suspending Medium
11	Sanjay K Behera (RRI)	Falling ball experiments on aging colloidal suspensions
12	Siddhartha Kulkarni (IITGN)	Colloidal Particles-in-Liquid Crystals Composites: Rheology and Microstructure
13	Vishwas V Vasisht (George Town Uni )	Local rearrangements of droplets in a dense emulsion under shear
14	Anika Jain (IITK)	Shear banding
15	Manu Vashishtha (IITB)	A Study of Langmuir Blodgett Monolayers of Napthenic Acids at Air/Water Interface: Effect of pH and Salt on Film Behavior
16	Chandra Has (IITB)	Fingering Instability in a Brownian Suspension
17	Rasmita Sahoo (U Hyd )	Rheology of twist-grain-boundary-A liquid crystals
18	R Shashikumar (IITM)	Rheo-microscopy of wax/oil mixtures
19	Sumit Kr Singh (IIT-Roorkee)	Rheological Evaluation of Performance Grading Criteria's $G^*/\sin\delta$ and $G^*.\sin\delta$ of bitumen
<b>GRANULAR SYSTEMS AND SUSPENSIONS</b>		
20	Anurag Tripathi (IITK)	Unsteady flow of granular materials over inclined plane
21	Bhaskar Jyoti Medhi (IITG)	Experimental study of suspensions flow in symmetric bifurcation Channels
22	Dheerendra Dubey (IITD)	Failure regimes of a single wet granular aggregate under shear
23	Mayuresh Kulkarni (NCL)	Spreading behavior of a gravity driven thin film of a suspension
24	Mohit Nema (IITK)	Evolution of Segregation in binary granular mixtures
25	Narendra Akiti (IITB)	Discrete Element Modelling of Agglomerate Breakage in a Shear Flow
26	Sagar B (IISc)	Granular Chute Flow: A Perspective
27	Subhadarshinee Sahu (NCL)	Spreading dynamics of a suspension atop a spinning disc
28	Subhajit Paul (JNCASR)	Dynamics and growth of clusters in freely cooling granular gases
29	Vikul Tomar (IITB)	Anomalies in normal and oblique collision properties of spherical particles
30	Sandeep Gharat (GIT,Ratnagiri)	Segregation of Binary Granular Mixtures during Heap Formation
<b>LIQUIDS UNDER CONFINEMENT</b>		
31	Amandeep (IISER Pune)	How shear viscosity changes for water under nanoconfinement

32	Ajit V J (IISER Pune)	A first step to probe nano-confined water optically
33	Vrushali Hande (NCL)	Structural Order of Water Molecules around Hydrophobic Solutes: Length-Scale Dependence and Solute-Solvent Coupling
34	Jyoti Seth (IITB)	Elastohydrodynamic lubrication flows near rough surfaces
<b>MEMBRANES</b>		
35	Anki Reddy Katha (IITG)	Molecular dynamics study of water and salt transport in polyamide and its composite membrane
36	Praveen P (Bangalore Uni.)	Reorientation dynamics of Chicken RBC in an Optical Trap
37	Vikas Dubey (IISER Pune)	Understanding Protein Organization in Membranes via Thermodynamic Characterization of Transmembrane Helix Insertion and Association
38	Kumari Preeti Sinha (IITB)	Conformation of charged vesicle: the Debye Huckel and low curvature limit
<b>POLYMERS/LIQUID CRYSTALS</b>		
40	Saheli Chakraborty (IISC)	Waist polymerizable non-ionic surfactants
41	S Kishorekumar (IITKGP)	Self Assembly of Bare/Polymer Grafted Nanoparticle Blends in Homopolymer Matrices
42	G Swaminath Bhardwaj (IITM)	LCST behaviour of thermoresponsive polymer in binary solvent mixtures
43	Venkat Ganeshan (U "Texas," Austin)	Interactions and Complexation in Polyelectrolyte-Nanoparticle Systems
44	Vennkata Sai Dasari (Hyd Uni)	
45	Zuhail K P (Hyd Uni)	Transformation of topological defects across N-SmA phase transition
46	Parvez Khan (IITD)	DIRECTED SELF ASSEMBLY IN POLYMER NANOCOMPOSITE MELT UNDER SHEAR FIELD
47	Abhijeet Joshi (TCIS)	Free Energy Based Method for Calculating Elastic Constants of Liquid Crystals
48	Arindam Kundagrami (IISER-Kolkata)	Kinetics of swelling of polyelectrolyte gels: Fixed degree of ionization

POSTERS – DAY 3 (04-Jan-2016)

Poster	Name	Title
	<b>GELS</b>	
1	Bhavna Vyas (IITK)	Passive microrheology with time-aging time superposition
2	Indrajit Wadgaonkar	Crosslinking in star melts with dipoles at the tip of polymer arms
3	Khushboo Suman (IITK)	
4	Mitasree Maiti (IISC)	Supramolecular bile acid-Peptide gelator and hybrid soft materials
5	Anuya Nisal (NCL)	Deciphering the underlying mechanism of accelerated gelation of silk fibroin using biosurfactant sophorolipid
6	Raju Laishram (IISC)	Applications of luminescent lanthanide cholate gels
7	Saptarshi Chakraborty (IACS Kolkata)	Supramolecular alternate donor-acceptor copolymer
	<b>GLASS FORMING LIQUIDS AND AMORPHOUS SOLIDS</b>	
8	Anna Varughese (IIT Mandi)	Microscopic studies in Lennard-Jones system
9	Jalim Singh (IIT Mandi)	Glassy dynamics and cage formation in a model polymer melt
10	Manoj Kumar Nandi (NCL)	Unraveling the success and failure of mode coupling theory in the light of entropy
11	Premkumar Leishangthem (JNCASR)	Yielding transition in a model amorphous solid
12	Lenin Singh (Bar Ilan Uni, Israel)	Fluids with random interactions: Pair-interaction ordering and particle dynamics
13	Ujjwal K Nandi (NCL)	Role of crystal structures and their frustration in the stability of a supercooled liquid
14	Atul Singh Bharadwaj (BHU)	Fluid solid transition in simple systems using density functional theory
15	Dibyashree Chakraborty (JNCASR)	Devitrification of Deeply Supercooled Liquids
	<b>NANOPARTICLES AND COLLOIDS</b>	
16	Parthapratim Patra (IISER-Pune)	Single molecule surface enhanced Raman scattering from dynamic assembly of plasmonic nanoparticles
17	Jaydeb Chakrabarty (SNBose center)	
18	V N Lad (NIT-Surat)	Nanoparticle-doped hydrogels for improved functionality
19	Deepti Sidhaye (Uni-Pune)	Noble metal based anisotropic nanostructures
20	Ramakrishna Natesan (UPenn)	
21	Anees Ahmed Yunus Khan (NCL)	Highly sensitive non-enzymatic sensors based on metal/metal oxide nanoparticle impregnated mesoporous silica.
	<b>INSTABILITIES AND TURBULENT FLOWS</b>	
22	Janaki Raghavan (IMSc)	Predator-prey interactions in complex hydrodynamic environment
23	Sarath Jose (TIFR-HYD)	Transient growth and its consequences in rotating channel flow
24	Karan Gupta (IITD)	Non-isothermal effects on stability of polymer fiber spinning
25	Om Kumar Agnihotri (IITG)	Computational modelling of stratified oil-water flow
26	Pramit Kumar Deb Burman (IITM Pune)	A novel approach to onset of Intermittency
27	S Chatterjee (NCL)	Transport phenomena in macroporous elastic monoliths