

Poster Session 1

1	An Pham Duke University (Yellen)	Phase transition in two-dimensional colloidal suspension using rotating magnetic fields
2	Ankush Singhal MPIKG (Grafmüller)	Multiscale Modelling of Natural Polysaccharides
3	Davoud Mozhdehi Duke University (Chilkoti)	Genetically Encoded Lipid-Polypeptide Hybrid Biomaterials
4	Dong Wang Duke University (Behringer)	Origin of Shear Jamming for Frictional Grains
5	Yuxin Xie NC State (Yingling)	Comparison of Lower Critical Solution Temperature in Natural and Synthetic Macromolecules
6	Dishit Parekh NC State (Dickey)	Understanding & Controlling the Surface Wetting Phenomena of Ga-based Liquid Metals on Silicon-based Organic Polymers
7	Esra Oguztürk TU Berlin (Gradzielski)	Supraparticles Fabricated from Microfibrillated Cellulose
8	Jessica Nash NC State (Yingling)	Computational Design of Biomimetic Nanoparticles for Nucleic Acid Packaging
9	Jason Miles NC State (Genzer)	Design and Fabrication of Wettability and Chemical Gradients Through Degrafting
10	Jose Angel Danglad MPIKG (Riegler)	Quantitative Analysis of Polymer/Particle Mixtures in Ultrathin Films
11	Josua Grawitter TU Berlin (Stark)	Light-switchable molecules at planar fluid interfaces
12	Kohee Han NC State (Velev)	Magnetic Microbots and Microswimmers Based on Assemblies of Metallo-Dielectric Microcubes
13	Ryan Maloney NC State (Hall)	Computational Investigations of Two-Dimensional Systems of Colloids
14	Marek Sokolowski TU Berlin (Gradzielski)	Nanoparticle adsorption on supported lipid bilayers
15	Navarro, Luis Duke University (Zauscher)	Diblock Copolymers for Functional Surface Coatings

Poster Session 2

16	Abdul Rauf HU Berlin (Rabe)	Quantitative Nanomechanical Mapping and Contact Mode Imaging of Graphene-mica Slitpore
17	Daniel Armstrong NC State (Spontak)	Shape Memory Thermoplastic Elastomers as Bimorph Electroactive Polymers
18	Francesco Bonazzi MPIKG (Weikl)	Interactions of membranes with nanoparticles and proteins: An elastic-membrane model
19	Eleanor Ewins MPIKG (Dimova)	Probing particle-membrane interactions using giant vesicles
20	Guo-Jun Liao TU Berlin (Klapp)	Collective Phenomena of Spherical Circle Swimmers Dispersed on a Monolayer
21	Jacek Walkowiak HZ Berlin (Ballauff)	Interaction of spherical polyelectrolyte brushes with proteins
22	Jana Staffa TU Berlin (Hildebrandt)	Spectroscopic studies of electric fields at biomimetic interfaces
23	Kaihang Shi NC State (Gubbins)	Conformal Sites Model for Adsorbed Films on Energetically Heterogeneous Surface
24	Natasha Morales Castellanos NC State (Velev)	Nanocapillary binding as a tool in the assembly of novel responsive colloidal structures, patchy particle clusters and inks for 3D printing
25	Radhika Vaid NC State (Pasquinelli)	Determine degradation mechanism of bioresorbable polymers by integrating experiments and computational techniques
26	Stefanie Wandrei TU Berlin (Schoen)	The effect of polydispersity on the behavior of magnetic colloidal suspensions
27	Yiliang Lin NC State (Dickey/Genzer)	Liquid Metal Nanomaterials for Soft Electronics and Drug Delivery
28	Ting Ge UNC Chapel Hill (Rubinstein)	Nanoparticle Motion in Entangled Melts of Linear and Nonconcatenated Ring Polymers
29	Yangju Lin Duke University (Craig)	Correlating Single Molecule Mechanochemical Response with Macroscopic Mechanochromic Activity in a PDMS Elastomer