

Track	Day	Time	Presenter Last Name	Presenter First Name	Title of Oral Presentation
Plenary	Monday, June 17	8-9am	Lewis	Jennifer	Printing Soft Matter in Three Dimensions
Plenary	Tuesday, June 18	8-9am	de Pablo	Juan	Liquid crystals – from simple self-assembling systems, to autonomous materials constructs
LaMer	Wednesday, June 19	8-9am	Ye	Rong (Rocky)	Stabilized Metal Clusters for Bridging Heterogeneous and Homogeneous Catalysts: the Case of Gold
Unilever	Tuesday, June 18	4:45-5:45pm	Zarzar	Lauren	Structural Coloration by Cascading Total Internal Reflection and Interference at Microscale Concave Interfaces
Track A: Active & Responsive Matter	Monday, June 17	9:20-9:40	Chaikin	Paul	Unstable fronts and stable “critters” formed by magnetic microrollers
Track A: Active & Responsive Matter	Monday, June 17	9:40-10:00	Chaikin	Paul	Unstable fronts and stable “critters” formed by magnetic microrollers
Track A: Active & Responsive Matter	Monday, June 17	10:00-10:20	Driscoll	Michelle	Critters: stable clusters born from an unstable front
Track A: Active & Responsive Matter	Monday, June 17	10:20-10:40	Liu	Albert	Colloidal electronic cells: distributed, modular, particulate electronic devices
Track A: Active & Responsive Matter	Monday, June 17	10:40-11:00	Jalilvand	Zohreh	Experimental study of the Motion of Patchy Particle Swimmers near a Liquid/Liquid Interface
Track A: Active & Responsive Matter	Monday, June 17	11:00-11:20	Alvarez Frances	Laura	Reconfigurable thermo-responsive active colloids
Track A: Active & Responsive Matter	Monday, June 17	1:30-1:50	Jain	Piyush	AquaDust: responsive nanogels to understand multi-scale water stress in plants
Track A: Active & Responsive Matter	Monday, June 17	1:50-2:10	Pich	Andrij	Stimuli-responsive supramolecular microgels
Track A: Active & Responsive Matter	Monday, June 17	2:10-2:30	Sanson	Nicolas	Hydrogels with thermo-responsive mechanical properties
Track A: Active & Responsive Matter	Monday, June 17	2:30-2:50	Bazrafshan	Alisina	Programmable nanoscale rolling motors
Track A: Active & Responsive Matter	Monday, June 17	3:10-3:30	Dewangan	Narendra	Rotation of oil droplets driven by motile bacteria at interfaces
Track A: Active & Responsive Matter	Monday, June 17	3:30-3:50	Blanchard	Aaron	Autochemophoretic DNA motors generate 100+ piconewton forces
Track A: Active & Responsive Matter	Monday, June 17	3:50-4:10	Chisholm	Nicholas	Hydrodynamic interactions between microswimmers trapped at interfaces
Track A: Active & Responsive Matter	Monday, June 17	4:10-4:30	Deng	Jiayi	Surface active layers of bacteria at oil-water interfaces
Track A: Active & Responsive Matter	Tuesday, June 18	9:20-9:40	Kuksenok	Olga	Active reconfiguration of hydrogels-based systems: from hydrogel membranes to assemblies of nanogels at soft interfaces
Track A: Active & Responsive Matter	Tuesday, June 18	9:40-10:00	Kuksenok	Olga	Active reconfiguration of hydrogels-based systems: from hydrogel membranes to assemblies of nanogels at soft interfaces
Track A: Active & Responsive Matter	Tuesday, June 18	10:00-10:20	Santer	Svetlana	Light driven diffusioosmosis: passive and active manipulation of colloids at solid/liquid interface
Track A: Active & Responsive Matter	Tuesday, June 18	10:20-10:40	Zauscher	Stefan	Stimulus-Responsive Microphase-Separation of Resilin/Elastin Block-Copolypeptides in Solution and in Thin Films
Track A: Active & Responsive Matter	Tuesday, June 18	10:40-11:00	Luzinov	Igor	Polymer Nanocomposites Reinforced via Alignment of Magnetized SiC Whiskers
Track A: Active & Responsive Matter	Tuesday, June 18	11:00-11:20	Popescu	Mihail	"Three-body" interaction between chemically active and chemically passive particles near a wall
Track A: Active & Responsive Matter	Tuesday, June 18	1:30-1:50	Kornev	Kostya	Magnetic Rotational Spectroscopy with ferromagnetic nanorods for analysis of insect blood
Track A: Active & Responsive Matter	Tuesday, June 18	1:50-2:10	Zarzar	Lauren	Chemotactic Droplet Interactions
Track A: Active & Responsive Matter	Tuesday, June 18	2:10-2:30	Okello	Lilian	Magneto-capillary soft actuators made by 3D-printing with homocomposite capillary pastes (HCPs)
Track A: Active & Responsive Matter	Wednesday, June 19	9:20-9:40	Lavrik	Nickolay	2-Photon Polymerization as an Enabling Technology for Self-propelled Microstructures and Active Colloids
Track A: Active & Responsive Matter	Wednesday, June 19	9:40-10:00	Palkar	Vaibhav	Computational design of active hydrogels with controllably degradable crosslinks

Track A: Active & Responsive Matter	Wednesday, June 19	10:00-10:20	Yossifon	Gilad	Electrically powered self-propelled micromotors for label-free and directed cargo delivery
Track A: Active & Responsive Matter	Wednesday, June 19	10:20-10:40	Kauffman	Joshua	Light driven thermal convection by gold nanoparticles
Track A: Active & Responsive Matter	Wednesday, June 19	10:40-11:00	Bishop	Kyle	Colloidal Robotics: Shape-based Programming of Active Particles
Track A: Active & Responsive Matter	Wednesday, June 19	11:00-11:20	Bishop	Kyle	Colloidal Robotics: Shape-based Programming of Active Particles
Track A: Active & Responsive Matter	Wednesday, June 19	1:30-1:50	Sanson	Nicolas	PEGylated NiPAM microgels: synthesis, characterization and colloidal stability
Track A: Active & Responsive Matter	Wednesday, June 19	1:50-2:10	Koman	Volodymyr	Colloidal, Nanoelectronic State Machines Based on 2D Materials as Smart Aerosolized Probes and Recorders
Track A: Active & Responsive Matter	Wednesday, June 19	2:10-2:30	Gresham	Isaac	Examining the effects of surfactants on the structural and mechanical properties of a thermoresponsive polymer brush
Track A: Active & Responsive Matter	Wednesday, June 19	2:30-2:50	Tabor	Christopher	Responsive Polymerized Liquid Metal Networks
Track A: Active & Responsive Matter	Wednesday, June 19	3:10-3:30	Dimitriyev	Michael	Rapid shape change in polymer gels via extreme thermodynamics
Track A: Active & Responsive Matter	Wednesday, June 19	3:30-3:50	Honnigfort	Christian	Finding the right switch: photo-control of air-water interfaces and foams with arylazopyrazole surfactants
Track A: Active & Responsive Matter	Wednesday, June 19	3:50-4:10	Hooshmand	Nasrin	Collective Multipole Oscillations Direct the Plasmonic Coupling at the Nanojunction Interfaces
Track B: Bio-Inspired Systems	Tuesday, June 18	9:20-9:40	Messersmith	Phillip	Interfacial molecular force spectroscopy of bioinspired catecholamine macromolecules
Track B: Bio-Inspired Systems	Tuesday, June 18	9:40-10:00	Messersmith	Phillip	Interfacial molecular force spectroscopy of bioinspired catecholamine macromolecules
Track B: Bio-Inspired Systems	Tuesday, June 18	10:00-10:20	Pellegrino	Luca	Design of bio-inspired surface topographies via wrinkling superposition
Track B: Bio-Inspired Systems	Tuesday, June 18	10:20-10:40	Zasadzinski	Joseph	Cholesterol induced morphological transitions and their effect on monolayer
Track B: Bio-Inspired Systems	Tuesday, June 18	10:40-11:00	Milam	Valeria	Implementing A Practical Screening Platform called CompELS for Oligonucleotide Ligands
Track B: Bio-Inspired Systems	Tuesday, June 18	11:00-11:20	Kim	Jaekang	Bio-inspired wall-shaped adhesive microstructure: effects of contact splitting and substrate roughness
Track B: Bio-Inspired Systems	Tuesday, June 18	1:30-1:50	Brettmann	Blair	Giant hyaluronan polymer brushes display polyelectrolyte brush polymer physics behavior
Track B: Bio-Inspired Systems	Tuesday, June 18	1:50-2:10	Blake	Alyssa	Transition studies of thermoresponsive polypeptides
Track B: Bio-Inspired Systems	Tuesday, June 18	2:10-2:30	van der Vegt	Nico	Non-additive ion effects on collapse and swelling transitions of thermoresponsive polymers
Track B: Bio-Inspired Systems	Tuesday, June 18	3:10-3:30	Song	Jie	Soft, but strong, bacterial cellulose microcapsules
Track B: Bio-Inspired Systems	Tuesday, June 18	3:30-3:50	Mkam Tsengam	Igor Kevin	Multicompartmental liposome pouches to modulate drug and vaccine release
Track B: Bio-Inspired Systems	Tuesday, June 18	3:50-4:10	Adams	Mary Catherine	Comparative analysis of DNA aptamers identified via CompELS
Track B: Bio-Inspired Systems	Tuesday, June 18	4:10-4:30	Perry	Sarah	Design Rules for Encapsulating Proteins into Complex Coacervates
Track B: Bio-Inspired Systems	Wednesday, June 19	9:20-9:40	Santore	Maria	Engineering colloids to recreate biointeractive mechanisms in systems of flowing cells
Track B: Bio-Inspired Systems	Wednesday, June 19	9:40-10:00	Santore	Maria	Engineering colloids to recreate biointeractive mechanisms in systems of flowing cells
Track B: Bio-Inspired Systems	Wednesday, June 19	10:00-10:20	Narsimhan	Vivek	Dynamics, deformation, and stability of giant unilamellar vesicles in various flow types
Track B: Bio-Inspired Systems	Wednesday, June 19	10:20-10:40	Zasadzinski	Joseph	Comparison of line tension measurement methods for lipid monolayers at liquid-liquid coexistence
Track B: Bio-Inspired Systems	Wednesday, June 19	10:40-11:00	Valtierrez-Gaytan	Cain	Cholesterol effects on monolayer structure, stability, and surface rheology

Track B: Bio-Inspired Systems	Wednesday, June 19	11:00-11:20	Daviran	Maryam	Microrheological characterization of dynamic cellular re-engineering of the pericellular region at different matrix stiffnesses
Track B: Bio-Inspired Systems	Wednesday, June 19	1:30-1:50	Dong	He	Fabrication of self-assembling antimicrobial nanofibers via peptide self-assembly
Track B: Bio-Inspired Systems	Wednesday, June 19	1:50-2:10	Park	Won Min	Design of nanoscale assemblies using synthetically designed protein shapes as building blocks
Track B: Bio-Inspired Systems	Wednesday, June 19	2:10-2:30	Lattuada	Marco	Nanoparticles Self-Assembly for the Preparation of Bioinspired Materials with Stimuli-Responsive Color Changing Ability
Track B: Bio-Inspired Systems	Wednesday, June 19	2:30-2:50	Nave	Gary	Coming together to climb higher: agent-based modeling of fire ant tower building
Track B: Bio-Inspired Systems	Wednesday, June 19	3:10-3:30	Weirich	Kimberly	Motor filament size and activity influences organization in biopolymer droplets
Track B: Bio-Inspired Systems	Wednesday, June 19	3:30-3:50	Song	Yang	Synthetic neutrophil extracellular traps (NETs) : A biomimetic alternative to understand NET/pathogen interaction
Track C: Colloidal & Surface Forces	Monday, June 17	9:20-9:40	Homede	Ekhlas	Surface Forces induced Hierarchical Pattern Deposition of Nanoparticles
Track C: Colloidal & Surface Forces	Monday, June 17	9:40-10:00	Travitz	Alyssa	Modeling of polymer-induced colloid interactions at multiple length scales
Track C: Colloidal & Surface Forces	Monday, June 17	10:00-10:20	DeYoreo	Jim	Interfacial structure, interparticle forces and assembly dynamics during oriented attachment of colloidal crystals
Track C: Colloidal & Surface Forces	Monday, June 17	10:20-10:40	DeYoreo	Jim	Interfacial structure, interparticle forces and assembly dynamics during oriented attachment of colloidal crystals
Track C: Colloidal & Surface Forces	Monday, June 17	10:40-11:00	Stevenson	Michael	Improving the Estimates of Hamaker Constants Using Atomic Force Microscopy: Effect of Surface Roughness on Cantilever Deflections
Track C: Colloidal & Surface Forces	Monday, June 17	11:00-11:20	Chen	Hsieh	Understanding Calcium-Mediated Adhesion of Nanomaterials in Reservoir
Track C: Colloidal & Surface Forces	Tuesday, June 18	9:20-9:40	Tabor	Christopher	Chemically tuning the mechanical properties of core shell liquid metal
Track C: Colloidal & Surface Forces	Tuesday, June 18	9:40-10:00	Damak	Maher	Emulsion impacts on hydrophobic surfaces
Track C: Colloidal & Surface Forces	Tuesday, June 18	10:00-10:20	Kuhl	Tonya	Direct Force Spectroscopy - Colloidal Science of Complex Fluids and Functional Thin-Films
Track C: Colloidal & Surface Forces	Tuesday, June 18	10:20-10:40	Kuhl	Tonya	Direct Force Spectroscopy - Colloidal Science of Complex Fluids and Functional Thin-Films
Track C: Colloidal & Surface Forces	Tuesday, June 18	10:40-11:00	Min	Younjin	Intermolecular Interactions and Rheological Properties of Ionic Liquids at Multiple Length Scales
Track C: Colloidal & Surface Forces	Tuesday, June 18	11:00-11:20	Ducker	William	The Electrostatic Screening-Length in Confined Concentrated Salt Solutions
Track C: Colloidal & Surface Forces	Tuesday, June 18	1:30-1:50	Cejas	Cesare	Universal diagram for the kinetics of particle deposition in microchannels
Track C: Colloidal & Surface Forces	Tuesday, June 18	1:50-2:10	Wu	Yao	pH-Induced reorientation of cytochrome c on silica nanoparticles
Track C: Colloidal & Surface Forces	Tuesday, June 18	2:10-2:30	Smith	Alexander	Ion pairing in symmetric multivalent electrolytes probed via colloidal forces
Track C: Colloidal & Surface Forces	Tuesday, June 18	2:30-2:50	Bolton	Christopher	Measuring the elevation-dependent rotational diffusion tensor of a nanorod near a confining interface
Track C: Colloidal & Surface Forces	Tuesday, June 18	3:10-3:30	Gao	Yuesheng	Effect of Surface Hydrophobicity on Interaction between Water Droplets and Solid Surfaces
Track C: Colloidal & Surface Forces	Tuesday, June 18	3:30-3:50	Li	Kai	AFM Study of Colloidal Forces between Asymmetric Hydrophobic Bodies in Aqueous Solution
Track C: Colloidal & Surface Forces	Tuesday, June 18	3:50-4:10	Ron	Cesar	How Nanoscale Surface Heterogeneity Impacts Transport of Nano- to Micro-Particles on Surfaces under Unfavorable Attachment Conditions
Track C: Colloidal & Surface Forces	Tuesday, June 18	4:10-4:30	Rashidi	Aidin	Influence of cap weight on the motion of a Janus particle very near a wall

Track C: Colloidal & Surface Forces	Wednesday, June 19	9:20-9:40	Ridwan	Muhammad Ghifari	Long-range attraction between glycine-coated mica surfaces in ultradilute electrolytes
Track C: Colloidal & Surface Forces	Wednesday, June 19	9:40-10:00	Briscoe	Wuge	Interactions between bacteria lipopolysaccharide layers
Track C: Colloidal & Surface Forces	Wednesday, June 19	10:00-10:20	Papastavrou	Georg	Direct Force Measurements by AFM with Sub-Micron Particles and Non-Conventional Colloidal Probes
Track C: Colloidal & Surface Forces	Wednesday, June 19	10:20-10:40	Papastavrou	Georg	Direct Force Measurements by AFM with Sub-Micron Particles and Non-Conventional Colloidal Probes
Track C: Colloidal & Surface Forces	Wednesday, June 19	10:40-11:00	Gilbile	Deepshika	How well can you tailor the surface charge on lipid vesicles by adding charged lipids?
Track C: Colloidal & Surface Forces	Wednesday, June 19	11:00-11:20	Pillai	Sreekiran	Molecular Insights Into The Loss of Hydrophobicity of Desalination Membranes by Amphiphilic Contaminants
Track C: Colloidal & Surface Forces	Wednesday, June 19	1:30-1:50	Thio	Reginald	Leidenfrost droplet duster
Track C: Colloidal & Surface Forces	Wednesday, June 19	1:50-2:10	Lele	Bhagyashree	Depletion forces in solutions containing mutually repelling anionic polyelectrolytes and surfactants
Track C: Colloidal & Surface Forces	Wednesday, June 19	2:10-2:30	Shi	Yifeng	H2O2 Decomposition on Pd Nanocrystals with Surface Twin Boundaries
Track C: Colloidal & Surface Forces	Wednesday, June 19	2:30-2:50	Wirth	Christopher	Mapping Evanescent Wave Scattering from Form Anisotropic Particles
Track C: Colloidal & Surface Forces	Wednesday, June 19	3:10-3:30	Hughes	Oliver	Swelling Behaviour of Weakly Cross-linked Microgels
Track C: Colloidal & Surface Forces	Wednesday, June 19	3:30-3:50	Zhang	Zechen	Molecular diffusion in nanoscale confinement
Track C: Colloidal & Surface Forces	Wednesday, June 19	3:50-4:10	Shafiq	Mohamad Danial	Evaporation of droplet: The role of long-range colloidal interactions
Track C: Colloidal & Surface Forces	Wednesday, June 19	4:10-4:30	Nguyen	Duy	Work of Adhesion and Spreading Coefficient as an Efficient Tool for Assessing Biocide Performance
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	9:20-9:40	Wu	Nan	Microrheological characterization of covalent adaptable hydrogels for applications in oral delivery
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	9:40-10:00	Beckwith	Joanne	Viability, morphology, and dispersal of Staphylococcus epidermidis biofilms: soft matter analysis of heat effects
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	10:00-10:20	Janmey	Paul	Non-linear elasticity and dissipation in fibrous networks, the cytoskeleton and soft tissues
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Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	10:40-11:00	Curtis	Jennifer	Self-Regenerating Giant Hyaluronan Polymer Brushes
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	11:00-11:20	Zhang	Yingnan	Controlled small molecule release from dual-stimuli responsive microgels
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	1:30-1:50	Gonella	Grazia	How polymers affect protein adsorption
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	1:50-2:10	Sen-Britain	Shohini	A multi-technique investigation into the role of HEMA copolymer surface chemistry on the receptor accessibility, spatial localization, and release of wound healing proteins
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	2:10-2:30	Sharma	Aditi	Mathematical model for fibrillation kinetics of the yeast prion Sup35NM
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	2:30-2:50	Philips	Laura	Distinguishing protein aggregates from contaminants in viscous mixtures with holographic video microscopy
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	3:10-3:30	Balazs	Anna	Collaboration and competition between active sheets for self-propelled particles
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	3:30-3:50	Balazs	Anna	Collaboration and competition between active sheets for self-propelled particles
Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	3:50-4:10	Datta	Sujit	Bacterial hopping and trapping in porous media

Track D: Colloids & Macromolecules in Life Sciences	Monday, June 17	4:10-4:30	Smith	Maxwell	Dynamics of filamentous phage in polymer solutions
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	9:20-9:40	Cohen	Shlomi	Megadalton polysaccharides at the cell-substratum physically regulate adhesion and migration
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	9:40-10:00	Nayani	Karthik	Straining Red Blood Cells with Liquid Crystals
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	10:00-10:20	Salaita	Khalid	A measure of molecular muscle: Development and application of fluorescence-based probes to map piconewton forces in living systems
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	10:20-10:40	Salaita	Khalid	A measure of molecular muscle: Development and application of fluorescence-based probes to map piconewton forces in living systems
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	10:40-11:00	Horner	Jeffrey	Understanding interspecies blood variations through rheology and microfluidics
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	11:00-11:20	Zia	Roseanna	Modeling the Brownian hydrodynamics of intracellular motion
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	1:30-1:50	Pustulka	Samantha	Protein corona mediates protein nanoparticle-cellular interactions
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	1:50-2:10	Ding	Ivan	Controlling the cell culture microenvironment using growth factor eluting PEMS
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	2:10-2:30	Heble	Annie	Enzyme encapsulation in porous silica nanoparticles to eliminate immune response and extend functional half-life
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	2:30-2:50	Moradipour	Mahsa	Interaction of Eugenol and Lignin Dimer-Functionalized Silica Nanoparticles with Model Cell Membranes
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	3:10-3:30	Lux	Jacques	Targeted microbubbles for lymphatic bed and lymph nodes mapping
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	3:30-3:50	Thorson	Todd	Tissue response and integration in morphologically unique biomaterial
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	3:50-4:10	Kasting	Gerald	Mechanisms of anionic surfactant penetration into human skin: Investigating monomer, micelle, and submicellar aggregate penetration theories
Track D: Colloids & Macromolecules in Life Sciences	Tuesday, June 18	4:10-4:30	Dhankher	Anshul	Structural Characterization and Control of a Drug Carrier for Intracellular Biomolecule Encapsulation via Electrostatically Driven Flash NanoPrecipitation
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	9:20-9:40	Tang	Christina	Nanoclay-based enzyme cascade for decomposition of reactive oxygen
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	9:40-10:00	Szilagyi	Istvan	Formulation of Ultra-Stable Super Paramagnetic Iron Oxide Nanoparticles for Acoustic Characterization of a Nested Voltage-Sensitive Ultrasound Enhancing Agent
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	10:00-10:20	Chiu Lam	Andreina	Magnetic hyperthermia potentiates Paclitaxel treatment in breast cancer
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	10:20-10:40	Flynn	Michael	Near-IR one photon triggered liposome cages for calcium, ATP or your favorite small molecule
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	10:40-11:00	Rivera-Rodriguez	Angelie	
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	11:00-11:20	Zasadzinski	Joseph	Direct, PCR-less Detection of Viral RNA using Micelle Tagging Electrophoresis
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	1:30-1:50	Schneider	James	Spontaneous nucleation of dual phase droplets for ultrasound contrast enhancement and drug delivery
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	1:50-2:10	Li	David	Bubble inflation using perfluorocarbon nanodroplets: A new theranostic platform
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	2:10-2:30	de Gracia Lux	Caroline	Perfluoroheptane loaded hollow gold nanoshells reduce nanobubble threshold fluence
Track D: Colloids & Macromolecules in Life Sciences	Wednesday, June 19	2:30-2:50	Zasadzinski	Joseph	Characterization of the structural properties of colloidal suspensions through advanced Light Scattering.
Track E: Directed & Self-Assembly	Monday, June 17	9:20-9:40	Bretz	Coline	

Track E: Directed & Self-Assembly	Monday, June 17	9:40-10:00	Xi	Yuyin	New type of porous material synthesized by the solvent segregation driven nanoparticle self-assembly
Track E: Directed & Self-Assembly	Monday, June 17	10:00-10:20	Li	Zili	Photoinduced reversible morphological transformation of azobenzene-
Track E: Directed & Self-Assembly	Monday, June 17	10:20-10:40	Solomon	Michael	Effect of crystal quality on the brilliance of structural color from self-assembled colloidal crystals
Track E: Directed & Self-Assembly	Monday, June 17	10:40-11:00	Davis	Virginia	Understanding and Controlling the Self-Assembly of Cellulose Nanocrystal Mesogens into Films to Achieve Desired Properties
Track E: Directed & Self-Assembly	Monday, June 17	11:00-11:20	Pospisil	Martin	Self Assembly of Cellulose Nanocrystals into Helical Microstructures
Track E: Directed & Self-Assembly	Monday, June 17	1:30-1:50	Zandi	Roya	Principles for designing protein nanocages
Track E: Directed & Self-Assembly	Monday, June 17	1:50-2:10	Zandi	Roya	Principles for designing protein nanocages
Track E: Directed & Self-Assembly	Monday, June 17	2:10-2:30	Li	Yirui	Photo-Crosslinking of Recombinant Protein Vesicles via Incorporation of Unnatural Amino Acids
Track E: Directed & Self-Assembly	Monday, June 17	2:30-2:50	Mahynski	Nathan	Symmetry-based discovery of multicomponent, two-dimensional colloidal crystals
Track E: Directed & Self-Assembly	Monday, June 17	3:10-3:30	Marciel	Amanda	Structure and rheology of polyelectrolyte complex coacervates
Track E: Directed & Self-Assembly	Monday, June 17	3:30-3:50	Tu	Sidong	Phase separation of ternary mixtures incorporating bottlebrushes: A Dissipative Particle Dynamics approach
Track E: Directed & Self-Assembly	Monday, June 17	3:50-4:10	Bharati	Avanish	Crystallization-driven self-assembly of model rod-like particles from diblock copolymers
Track E: Directed & Self-Assembly	Monday, June 17	4:10-4:30	Harrison	Andrew	Rapid Self-Assembly of Metal/Polymer Hybrid Nanoparticles and Their Use as Nanoreactors
Track E: Directed & Self-Assembly	Tuesday, June 18	9:20-9:40	McBride	Samantha	Crystal patterning via evaporation: spirals, triangles, rings, and arrays
Track E: Directed & Self-Assembly	Tuesday, June 18	9:40-10:00	Cheng	Shengfeng	Stratification in drying soft matter solutions
Track E: Directed & Self-Assembly	Tuesday, June 18	10:00-10:20	Zhang	Peng	Lysozyme Amyloid Fibrils Aggregation and Assembling in Droplet Based
Track E: Directed & Self-Assembly	Tuesday, June 18	10:20-10:40	Yao	Tianyi	Directed micro assembly via capillary curvature attraction using a magnetic microrobot at oil/water interface
Track E: Directed & Self-Assembly	Tuesday, June 18	10:40-11:00	Tansi	Benjamin	Light-powered direction-controlled colloidal micropumps
Track E: Directed & Self-Assembly	Tuesday, June 18	11:00-11:20	Altemose	Alicia	Autonomous annealing of colloidal crystals induced by light-powered oscillations of active particles
Track E: Directed & Self-Assembly	Tuesday, June 18	1:30-1:50	Di Michele	Lorenzo	Multi-functional crystalline frameworks self-assembled from amphiphilic DNA nanostructures.
Track E: Directed & Self-Assembly	Tuesday, June 18	1:50-2:10	Di Michele	Lorenzo	Multi-functional crystalline frameworks self-assembled from amphiphilic DNA nanostructures.
Track E: Directed & Self-Assembly	Tuesday, June 18	2:10-2:30	Kim	Youngeun	Invited LaMer presentation: Transmutable nanoparticles and interchangeable lattices with reconfigurable DNA bonds
Track E: Directed & Self-Assembly	Tuesday, June 18	2:30-2:50	Ohno	Kohji	Binary colloidal crystals from nucleobase-containing-polymer-brush-decorated particles
Track E: Directed & Self-Assembly	Wednesday, June 19	9:20-9:40	Manoharan	Vinothan	Colloidal crystallization on a cylinder
Track E: Directed & Self-Assembly	Wednesday, June 19	9:40-10:00	Manoharan	Vinothan	Colloidal crystallization on a cylinder
Track E: Directed & Self-Assembly	Wednesday, June 19	10:00-10:20	Shillingford	Cicely	Advances in template-assisted capillary assembly: lattices, superstructures, and functional colloids
Track E: Directed & Self-Assembly	Wednesday, June 19	10:20-10:40	Liu	Mingzhu	Switchable regioselective assemble of triblock microparticles based on surface material recognition
Track E: Directed & Self-Assembly	Wednesday, June 19	10:40-11:00	van der Wee	Ernest	Binary icosahedral quasicrystals of hard spheres in spherical confinement
Track E: Directed & Self-Assembly	Wednesday, June 19	11:00-11:20	Torres Diaz	Isaac	Superellipses Phase Behavior & Structures
Track E: Directed & Self-Assembly	Wednesday, June 19	1:30-1:50	Chung	Jaeyub	Use of Equilibrium and Dynamic Surface Tension Behavior for Detecting

Track E: Directed & Self-Assembly	Wednesday, June 19	1:50-2:10	Zhang	Xiaokun	Derivation of cluster free energy profile for octyl/dodecyl phosphocholine micelles from molecular dynamics simulations
Track E: Directed & Self-Assembly	Wednesday, June 19	2:10-2:30	Ma	Yingzhen	Temperature induced demixing of surfactant solutions in nanoporous
Track E: Directed & Self-Assembly	Wednesday, June 19	2:30-2:50	Kuperkar	Ketan	Unraveling the Solubilization and Cytotoxicity Screening in Aqueous Solution of Surface-Active Amphiphiles Integrated with
Track E: Directed & Self-Assembly	Wednesday, June 19	3:10-3:30	Al Harraq	Ahmed	Magnetic field driven assembly of multicomponent low-symmetry supraparticles
Track E: Directed & Self-Assembly	Wednesday, June 19	3:30-3:50	Maloney	Craig	Magnetic particles in rotating fields: Role of susceptibility in chain collapse
Track E: Directed & Self-Assembly	Wednesday, June 19	3:50-4:10	Bharti	Bhuvnesh	Magnetic field driven convection for directed patterning in drying droplets
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	9:20-9:40	Ristenpart	William	Oscillating Electric Fields in Liquids Create a Long-Range Steady Field: Implications for Electrokinetics
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	9:40-10:00	Ristenpart	William	Oscillating Electric Fields in Liquids Create a Long-Range Steady Field:
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	10:00-10:20	Park	Sinwook	Active electrokinetic control of the concentration-polarization layer in a microchannel-Nafion membrane system
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	10:20-10:40	Yee	Andrew	Tracking particle assembly into streamwise bands
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	10:40-11:00	Hashemi Amrei	Seyyed Mohammad Hossein	Asymmetric rectified electric fields (AREFs) significantly alter induced-charge electrokinetic flows
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	11:00-11:20	Rashed	Mohamed Z.	Dielectrophoresis based characterization of LEA proteins
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	1:30-1:50	Lee	Jin Gyun	Directed propulsion of spherical particles along 3D helical trajectories using induced-charge electrophoresis
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	1:50-2:10	Yang	Xingfu	Propulsion of asymmetric dielectric particles under high frequency AC electric fields
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	2:10-2:30	Tang	Xiaoyu	Buffer solutions enable versatile particle delivery into dead-end pores
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	2:30-2:50	Abdel-Fattah	Amr	Droplet migration in ionic surfactant gradients
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	3:10-3:30	Schneider	James	Impact of Surfactant Headgroup Chemistry on Charging Processes in Nonpolar Liquids
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	3:30-3:50	Agiral	Anil	Surface Charging Mechanism for Colloidal Overbased Detergents
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	3:50-4:10	Damak	Maher	Fog collection using space-charge injection
Track F: Electrokinetics, Micropores & Microfluidics	Monday, June 17	4:10-4:30	Shahbaznezhad	Mohcen	An investigation in the effect of the non-uniform electric field in the highly dispersed water in oil emulsion
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	9:20-9:40	Prakash	Shaurya	Colloidal particle transfer from microchannel nozzle to porous substrates
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	9:40-10:00	Wang	Zhongzhen	Understanding the Salt Transport Properties of Graphene Oxide Membranes: Permeation Measurements and Electrokinetic Modeling
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	10:00-10:20	He	Yuxin	Molecular Transport Properties of Ionic Liquid 1-Butyl-3-methylimidazolium Hexafluorophosphate under Nanopore Confinement
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	10:20-10:40	Wu	Haichao	Influence of Electrostatic Effects on Nanoparticle Escape Times from a Porous Cavity

Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	10:40-11:00	Biswal	Sibani Lisa	Asphaltene Deposition and Remediation in Microfluidic Porous Media
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	11:00-11:20	Biswal	Sibani Lisa	Asphaltene Deposition and Remediation in Microfluidic Porous Media
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	1:30-1:50	Perry	Sarah	High-throughput microfluidics for use at X-ray free-electron lasers
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	1:50-2:10	Zhang	Yi	Passive sweat collection and its colorimetric analysis using a soft microfluidic system
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	2:10-2:30	Saha	Tamoghna	Osmotic-Capillary Principles for Microfluidic Pumping and Fluid Management
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	2:30-2:50	Singh	Ishita	Microfluidic generation of magnetic alginate microparticles for magnetic templating of nerve regeneration hydrogels
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	3:10-3:30	Yang	Deyu	Droplet-Based Tool to Determine the Impact of Additives on Isotropic-to-Nematic Phase Transitions
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	3:30-3:50	Raj	Nikhil	Fabrication of enclosed channels for creation of 3D microfluidics paper based analytical devices (3D μ -PADs) using plasma deposition and etching
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	3:50-4:10	Narsimhan	Vivek	Cross-stream migration of non-spherical particles in non-Newtonian fluids, with applications to microfluidic separations
Track F: Electrokinetics, Micropores & Microfluidics	Tuesday, June 18	4:10-4:30	Woehl	Taylor	Death and rebirth of colloidal assemblies in electrochemically generated pH gradients
Track G: Emulsions, Bubbles & Foams	Monday, June 17	9:20-9:40	Tajuelo	Javier	Base oil/water emulsions: analysis of the drainage rate and critical thickness from single droplet coalescence experiments
Track G: Emulsions, Bubbles & Foams	Monday, June 17	9:40-10:00	Lee	Linkee	DC Electric field assisted dynamics of emulsion droplets
Track G: Emulsions, Bubbles & Foams	Monday, June 17	10:00-10:20	Lee	Yi-Ting	Kinetic analysis of oil exchange between stabilized emulsions using small angle neutron scattering
Track G: Emulsions, Bubbles & Foams	Monday, June 17	10:20-10:40	Uyama	Makoto	Novel nanoemulsion using a hybrid surfactant of silicone and hydrocarbon
Track G: Emulsions, Bubbles & Foams	Monday, June 17	10:40-11:00	Landfester	Katharina	Interfacial reactions in direct and inverse miniemulsions
Track G: Emulsions, Bubbles & Foams	Monday, June 17	11:00-11:20	Landfester	Katharina	Interfacial reactions in direct and inverse miniemulsions
Track G: Emulsions, Bubbles & Foams	Monday, June 17	1:30-1:50	Davidson	Michael	Interfacial mechanics of PEO-PDMS block-copolymer-coated oil/water interfaces and impact on emulsification
Track G: Emulsions, Bubbles & Foams	Monday, June 17	1:50-2:10	Antoniv	Marta	Polymeric Nanoparticles Dispersed in a Pseudo Reverse Nanoemulsion
Track G: Emulsions, Bubbles & Foams	Monday, June 17	2:10-2:30	Aichele	Clint	Probing the Influence of Surfactant-Nanoparticle Interactions on the Stability of Emulsions
Track G: Emulsions, Bubbles & Foams	Monday, June 17	2:30-2:50	Zembyla	Morfo	Pickering Water-in-Oil (W/O) Emulsions Stabilized by an Interfacial Complex of Polyphenol Crystals and Protein
Track G: Emulsions, Bubbles & Foams	Monday, June 17	3:10-3:30	Walsh	Martin	Bilayer Alteration through Ultrasound-Induced Cavitation of Microbubbles
Track G: Emulsions, Bubbles & Foams	Monday, June 17	3:30-3:50	de Gracia Lux	Caroline	Fluorous iron oxide nanoparticles for acoustic droplet vaporization
Track G: Emulsions, Bubbles & Foams	Monday, June 17	3:50-4:10	Nelson	Diane	Mass transfer of dye-loaded, water-in-perfluorocarbon reverse emulsion with an aqueous phase
Track G: Emulsions, Bubbles & Foams	Monday, June 17	4:10-4:30	Staton	Jennifer	Kinetics of phospholipid transport to interfaces in colloidal dispersions or gels
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	9:20-9:40	Fuller	Gerald	Two Sides of the Evaporation Coin: Stabilizing Foams and Causing Rayleigh-Taylor Instabilities
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	9:40-10:00	Fuller	Gerald	Two Sides of the Evaporation Coin: Stabilizing Foams and Causing Rayleigh-Taylor Instabilities
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	10:00-10:20	Xu	Chenxian	Coalescence of nanoscopic mesas in stratifying foam films

Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	10:20-10:40	Russo	Paul	Reversible Conversion of Submicron Toroidal Bubbles to Spherical Bubbles
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	10:40-11:00	Zhu	Jingyi	Settling behavior of the proppant in viscoelastic foams at high temperature
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	11:00-11:20	Rapoport	Leonid	Using Hierarchical Aerophilic Surfaces to Capture Bubbles and Prevent Foam
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	1:30-1:50	Da	Chang	Stable Gas-in-Water Foams at High Salinity via Manipulation of Nanoparticle
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	1:50-2:10	Watanabe	Kei	Relationship between maximum internal phase ration of W/O emulsion and the self-assembly of the outer phase
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	2:10-2:30	Chandran Suja	Vineeth	Effects of filtration on foaming performance of anti-foam laden lubricants
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	2:30-2:50	Ma	Yingzhen	Directed foaming of oppositely charged fatty acid-nanoparticle mixtures: Correlating bulk structures with foam stability
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	3:10-3:30	Ghayour	Amir	Oil-like and Surfactant-like nature of naphthenic acids and asphaltenes and their role in crude oil emulsions
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	3:30-3:50	Ochoa	Chrystian	Stepwise Thinning and Nanoscopic Thickness Variations in Foam Films Formed by Aqueous Sodium Naphthenate Solutions
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	3:50-4:10	Lin	Feng	Settling properties of diluted heavy oil emulsion: Effect of extraction additives
Track G: Emulsions, Bubbles & Foams	Tuesday, June 18	4:10-4:30	Ramachandran	Arun	The interfacial tension of water-in-diluted-bitumen emulsions at high bitumen concentrations
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	9:20-9:40	Sun	Guanqing	Preparation of microcapsules from Pickering emulsions and their use in coating films
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	9:40-10:00	Heftel	Justin	Microfluidic study of drainage, coalescence and coarsening of aqueous 2D foams and emulsions
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	10:00-10:20	Dutcher	Cari	Droplet microfluidics for studying surfactant-rich interfaces: From atmospheric aerosols to bilgewater emulsions
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	10:20-10:40	Dutcher	Cari	Droplet microfluidics for studying surfactant-rich interfaces: From atmospheric aerosols to bilgewater emulsions
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	10:40-11:00	Sundar	Suryavarshini	oil spill dispersants formulated with bio-based surfactants and enzymes
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	11:00-11:20	Maimouni	Ilham	Microfluidic-based polymeric foams as potential photonic structures
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	1:30-1:50	KHAN	Mohd Azeem	Inverted Solvent Transfer Induced Phase Separation for the Fabrication of Mechanically Robust Bijels
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	1:50-2:10	Schwenger	Matthew	Making bijels mechanically better membranes by manipulating bicontinuous morphologies
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	2:10-2:30	Anjum	Nishat	Phase Transfer Catalyst -functionalized Nanosheets in Emulsion Formation and Stabilization
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	2:30-2:50	Jiang	Yonglun	Microscopic Rearrangements in the Flow of Polydisperse Dense Emulsions
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	3:10-3:30	Abedi	Samira	Revealing the role of inter-droplet interactions during nucleation in concentrated emulsions
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	3:30-3:50	Johnston	Keith P.	Carbon dioxide-in-oil emulsion stabilized with modified silica nanoparticles
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	3:50-4:10	Chandran Suja	Vineeth	Mechanics of evaporation induced spontaneous cyclic dimpling in binary liquid mixtures and its role in bubble stability
Track G: Emulsions, Bubbles & Foams	Wednesday, June 19	4:10-4:30	Hu	Dong-Dong	Stabilization and characterization of CO2 emulsions synergistically constructed with silica nanoparticles/alkyl ammonium

Track H: Energy, Catalysis & Separations	Tuesday, June 18	9:20-9:40	Braun	Paul	Colloids for energy storage: from 3D electrode templates to redox active materials
Track H: Energy, Catalysis & Separations	Tuesday, June 18	9:40-10:00	Braun	Paul	Colloids for energy storage: from 3D electrode templates to redox active materials
Track H: Energy, Catalysis & Separations	Tuesday, June 18	10:00-10:20	Liu	Nian	Nanoscale materials design for deeply rechargeable aqueous zinc anodes
Track H: Energy, Catalysis & Separations	Tuesday, June 18	10:20-10:40	Newbloom	Greg	Self-Assembled Ceramic Membranes for Redox Flow Batteries
Track H: Energy, Catalysis & Separations	Tuesday, June 18	10:40-11:00	Khan	Sami	Enhancing current density and hydrocarbon selectivity during electrochemical reduction of CO ₂ on a copper catalyst by trapping CO ₂ bubbles on superhydrophobic surfaces
Track H: Energy, Catalysis & Separations	Tuesday, June 18	11:00-11:20	McDevitt	Kyle	Improving cyclability of ZnO cathodes through microstructural design
Track H: Energy, Catalysis & Separations	Wednesday, June 19	9:20-9:40	Milliron	Delia	Plasmonic metal oxide nanocrystals
Track H: Energy, Catalysis & Separations	Wednesday, June 19	9:40-10:00	Milliron	Delia	Plasmonic metal oxide nanocrystals
Track H: Energy, Catalysis & Separations	Wednesday, June 19	10:00-10:20	Kumar	Dinesh	Hybrid plasmonic nanomaterials for visible light induced efficient carbon dioxide photoreduction to formic acid
Track H: Energy, Catalysis & Separations	Wednesday, June 19	10:20-10:40	Chen	Hailong	Understanding the nucleation process of metal nanoparticles in solution with in situ XRD
Track H: Energy, Catalysis & Separations	Wednesday, June 19	10:40-11:00	Street	Shane	Phase transferable polymer encapsulated metallic nanoparticles
Track H: Energy, Catalysis & Separations	Wednesday, June 19	11:00-11:20	Shi	Shi	Monitoring catalytic reductions in bimetallic nanoreactors created through orthogonal self-assembly
Track H: Energy, Catalysis & Separations	Wednesday, June 19	1:30-1:50	Newbloom	Greg	Functionalized Nanoporous Ceramic Membranes Towards Low-Cost Electrodialysis
Track H: Energy, Catalysis & Separations	Wednesday, June 19	1:50-2:10	McGuinness	Emily	Vapor Phase Infiltration of Metal Oxide Dispersions into Nanoporous
Track H: Energy, Catalysis & Separations	Wednesday, June 19	2:10-2:30	Ladshaw	Austin	DG-OSPREY: A Gas-Phase Fixed-bed Adsorption Model Built on MOOSE
Track H: Energy, Catalysis & Separations	Wednesday, June 19	2:30-2:50	Behrens	Sven	Oil Coated Bubbles for Flotation Separation of Hydrophilic Particulates from Aqueous Dispersions and Slurries: the Example of Flotation De-Inking
Track H: Energy, Catalysis & Separations	Wednesday, June 19	3:10-3:30	Shi	Shi	Rational design and synthesis of bifunctional nanocrystals for probing catalytic reactions by surface-enhanced Raman scattering
Track H: Energy, Catalysis & Separations	Wednesday, June 19	3:30-3:50	Kitchens	Christopher	Gold Nanoparticle Colloidal Catalysts: Role of Ligands and Strategies for
Track H: Energy, Catalysis & Separations	Wednesday, June 19	3:50-4:10	Koos	Erin	Process route for hierarchically structured zeolite monolith catalyts
Track i: Environmental Systems &	Monday, June 17	9:20-9:40	Gilbertson	Leanne	The role of colloid and surface science in developing sustainable design
Track i: Environmental Systems &	Monday, June 17	9:40-10:00	Gilbertson	Leanne	The role of colloid and surface science in developing sustainable design
Track i: Environmental Systems & Sustainability	Monday, June 17	10:00-10:20	Cai	Li	Effects of Inorganic Ions and Natural Organic Matter on the Aggregation of Nanoplastics
Track i: Environmental Systems &	Monday, June 17	10:20-10:40	Snyder	Abigail	Utilizing Surface Analytical Techniques to Investigate Microplastics in the
Track i: Environmental Systems &	Monday, June 17	10:40-11:00	Cheng	Tao	Nanoscale titanium dioxide (nTiO ₂) transport in porous media: the role of
Track i: Environmental Systems & Sustainability	Monday, June 17	11:00-11:20	Morfesis	Anastasia	Coagulation Studies in Full Scale Drinking Water Plants
Track i: Environmental Systems &	Monday, June 17	1:30-1:50	Farinmade	Azeem	Targeted and Stimuli-Responsive Delivery of Surfactants to the Oil-Water
Track i: Environmental Systems &	Monday, June 17	1:50-2:10	Zhou	Hao	Design of Eco-friendly Surfactant Chemical Herders for Maritime Oil Spill

Track i: Environmental Systems & Sustainability	Monday, June 17	2:10-2:30	Taboada-Serrano	Patricia	Interfacial effects on heterogeneous nucleation of gas hydrates and ice
Track i: Environmental Systems & Sustainability	Monday, June 17	2:30-2:50	Kasturi	Abishek	Interfacial phenomena in a gas-liquid reactor for CO2 capture from flue gas
Track i: Environmental Systems & Sustainability	Monday, June 17	3:10-3:30	Yu	Huaizhe	Dissociative adsorption of chlorine on metal surfaces triggers orientational
Track i: Environmental Systems & Sustainability	Monday, June 17	3:30-3:50	Valiei	Amin	Anodized Aluminum with Nanoholes Impregnated with Quaternary
Track i: Environmental Systems & Sustainability	Wednesday, June 19	9:20-9:40	Jun	Young-Shin	Nucleation and Nanoscale Interfacial Processes in the Environmental Systems
Track i: Environmental Systems & Sustainability	Wednesday, June 19	9:40-10:00	Jul	Young-Shin	Nucleation and Nanoscale Interfacial Processes in the Environmental Systems
Track i: Environmental Systems & Sustainability	Wednesday, June 19	10:00-10:20	Su	Xiao	Electrochemical Redox-Mediated Systems for Environmental Separations and Remediation
Track i: Environmental Systems & Sustainability	Wednesday, June 19	10:20-10:40	Zheng	Jianzhong	Mussel-inspired modification of porous PVDF for membrane distillation
Track i: Environmental Systems & Sustainability	Wednesday, June 19	10:40-11:00	Velegol	Stephanie	Virus removal in a sustainable water filter
Track i: Environmental Systems & Sustainability	Wednesday, June 19	11:00-11:20	Xing	Xing	Enhanced Removal of Iodide from Water by Core-Shell Magnetic Nanoparticles Cu2O@Fe3O4
Track i: Environmental Systems & Sustainability	Wednesday, June 19	1:30-1:50	Wiechert	Alexander	Mechanisms of adsorbent aging and its influence on iodine capture from nuclear fuel reprocessing off-gas
Track i: Environmental Systems & Sustainability	Wednesday, June 19	1:50-2:10	Munoz-Espi	Rafael	Latent Heat Storage in Polymer-Based Micro- and Nanocapsules
Track i: Environmental Systems & Sustainability	Wednesday, June 19	2:10-2:30	Kim	Yong-ha	The effects of radioactive decay on the fate of radionuclides in gas and particulate phases
Track i: Environmental Systems & Sustainability	Wednesday, June 19	3:10-3:30	Hasan	Mohammad Jahid	Fabrication of cellulose nanocrystals (CNC) with iron oxide (Fe3O4) nanoparticles by in-situ co-precipitation method and stability in water
Track i: Environmental Systems & Sustainability	Wednesday, June 19	3:30-3:50	Khan	Nasreen	Association of nano-cellulosic material with polyelectrolyte complex coacervates
Track i: Environmental Systems & Sustainability	Wednesday, June 19	3:50-4:10	Balding	Paul	A scaled-down fluid testing device to efficiently measure hybrid CNC-polyelectrolyte particle properties as additives in water-based drilling fluids
Track i: Environmental Systems & Sustainability	Wednesday, June 19	4:10-4:30	Ladshaw	Austin	Natural nuclide decay processes and implications in particle-particle atmospheric interactions and transport
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	9:20-9:40	Brettmann	Blair	Processing High Solids Suspensions via Additive Manufacturing
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	9:40-10:00	Zhao	Bin	Functional polymer brush-grafted nanoparticles for use as oil lubricant additives
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	10:00-10:20	Breedveld	Victor	Rheological Characterization of Nanocellulose Materials for Quality Control
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	10:20-10:40	Gizatov	Ayrat	Encapsulated alkyl benzene sulfonate surfactants for stability in brine at high temperature
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	10:40-11:00	Wang	Haiqiao	Effects of Convection in Concentrated Surfactant Dissolution
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	11:00-11:20	SenGupta	Ashoke	Challenges with Herbicidal Premixes

Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	1:30-1:50	Ewaldz	Elena	Increased functionality of ultrafine fibers though large particle inclusion
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	1:50-2:10	Mohabir	Amar	Selective CoAxial Lithography via Etching of Surfaces (SCALES): A Bottom-up Nanoscale Patterning Process
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	2:10-2:30	Velegol	Darrell	Manufacturing Smart Innovations -- Moving Colloid & Surface R&D to Manufacturing Faster and at Higher Value
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	2:30-2:50	Hinton	Zachary	Impact of Surface Wetting and Processing Technique on High Aspect Ratio Particle Coatings
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	3:10-3:30	Devlin	Matthew	In-vitro Evaluation of Volumizing Mascara Deposited on Fake Eyelash
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	3:30-3:50	Perry	Sarah	Electrospinning Polyelectrolyte Complex Fibers
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	3:50-4:10	Jiang	Shan	Ultrathin Biobased Transparent UV-Blocking Coating Enabled by Nanoparticle Assembly
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Monday, June 17	4:10-4:30	Atmuri	Anand	Tint Dispersions: Understanding Structure-Property Relationships
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	9:20-9:40	del pezzo	Rita	Stimuli responsive membranes for the targeted delivery of actives
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	9:40-10:00	Kharal	Rita	Multifunctional Bijel Micro-Ropes by Hydrodynamic In-Situ Twisting
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	10:00-10:20	Mujica	Maritza	The Geode Process: A Route to Large-Scale Manufacturing of Functionally-Encoded Semiconductor Nanowires
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	10:20-10:40	Guo	Yusheng	Directed printing and reconfiguration of thermoresponsive nanocomposite structures
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	10:40-11:00	Lee	Sung Min	Highly transparent, flexible conductors and heaters based on metal nanomesh structures manufactured using an all-water-based solution process
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	1:30-1:50	Peterson	Amy	Humidity history and tempering of polyelectrolyte-based systems
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	1:50-2:10	Peterson	Amy	Humidity history and tempering of polyelectrolyte-based systems
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Tuesday, June 18	2:10-2:30	Lin	Yu-Jiun	Structured Fluids in Microfluidic Geometries

Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Wednesday, June 19	9:20-9:40	Piunova	Victoria	Biodegradable Nanogel-Core Star Polymers: A Platform for Programmable Macromolecular Self-Assembly
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Wednesday, June 19	9:40-10:00	Piunova	Victoria	Biodegradable Nanogel-Core Star Polymers: A Platform for Programmable Macromolecular Self-Assembly
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Wednesday, June 19	10:00-10:20	Duits	Michael	A method for reversible control over nano-roughness of colloidal particles
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Wednesday, June 19	10:20-10:40	Conner	Cathryn	Scalable semi-continuous synthesis of environmentally benign nanoparticles
Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond	Wednesday, June 19	10:40-11:00	Seyedi	Mastooreh	Cellulose nanofibrils as functional carriers
Track K: General	Monday, June 17	9:20-9:40	Kinard	Thomas	Developing a model for lipid domain formation and response to electric field
Track K: General	Monday, June 17	9:40-10:00	Sanson	Nicolas	Structuration of silica nanoparticles in water: Nanostructure and Response to Drying Stress
Track K: General	Monday, June 17	10:00-10:20	Karman	Andrew	Solubilization of Hydrophobic Compounds in Micellar Solutions: Effects of Composition and Temperature
Track K: General	Monday, June 17	10:20-10:40	Alexander	Nathan	Multicomponent diffusion in nonionic micellar solutions with very hydrophobic solutes
Track K: General	Monday, June 17	10:40-11:00	Crocker	John	Understanding Soft Glassy Materials with Fractal Energy Landscapes
Track K: General	Monday, June 17	11:00-11:20	Crocker	John	Understanding Soft Glassy Materials with Fractal Energy Landscapes
Track K: General	Monday, June 17	1:30-1:50	Schweizer	Kenneth	Microscopic theory of how surfaces and confinement determine spatially heterogeneous activated dynamics and elasticity
Track K: General	Monday, June 17	1:50-2:10	Schweizer	Kenneth	Microscopic theory of how surfaces and confinement determine spatially heterogeneous activated dynamics and elasticity
Track K: General	Monday, June 17	2:10-2:30	Richards	Jeffrey	Hydrodynamic coupling of the mechano-electro response in fluid suspensions of conducting particles
Track K: General	Monday, June 17	2:30-2:50	Jang	Seung Soon	Multiscale modeling of multicompartment micelle nanoreactors
Track K: General	Monday, June 17	3:10-3:30	Veeran	Anisha	Optimization of liposomal carriers for mRNA delivery
Track K: General	Monday, June 17	3:30-3:50	Lannigan	Kelly	Role of protein-protein interactions in the adsorption of myoglobin onto mesoporous silica materials
Track K: General	Monday, June 17	3:50-4:10	Kwon	Na Kyung	Time-resolved structure changes of amyloid beta peptides from monomer to fibrillar aggregates revealed by small-angle x-ray scatterings
Track K: General	Tuesday, June 18	9:20-9:40	Hsieh	An-Hsuan	Effect of the Preparation Method on the Formation and the Optical Properties of DDAB (Didodecyltrimethylammonium Bromide) Dispersions
Track K: General	Tuesday, June 18	9:40-10:00	Shim	Yul Hui	Orientation Transition of Graphene Oxide Liquid Crystal under Shear
Track K: General	Tuesday, June 18	10:00-10:20	Bharadwaj	Swaminath	Does preferential adsorption drive cononsolvency?
Track K: General	Tuesday, June 18	10:20-10:40	Santo	Kolattukudy	Interaction nanoparticle chromatography on polymer grafted substrates at critical conditions of adsorption.
Track K: General	Tuesday, June 18	10:40-11:00	Abbott	Nicholas	Equilibrium and Non-Equilibrium Colloidal Phenomena with Liquid Crystals
Track K: General	Tuesday, June 18	11:00-11:20	Abbott	Nicholas	Equilibrium and Non-Equilibrium Colloidal Phenomena with Liquid Crystals
Track K: General	Tuesday, June 18	1:30-1:50	Thapa	Nabin	Binary fluid interface characterization with surface light scattering spectroscopy
Track K: General	Tuesday, June 18	1:50-2:10	Williams	Stuart	There are particles in my whiskey: dynamic light scattering characterization of bourbon whiskey colloids
Track K: General	Tuesday, June 18	2:10-2:30	Lin	Feng	Proactive oil sand tailings management: Change of bitumen extraction
Track K: General	Tuesday, June 18	2:30-2:50	Kulkarni	Varun	Coalescence and Spreading of Drops Deposited on an Immiscible Liquid

Track K: General	Tuesday, June 18	3:10-3:30	Parkinson	Graham	Comparison of Analysis Methods for Differential Dynamic Microscopy
Track K: General	Tuesday, June 18	3:30-3:50	Li	Bingbing	Visualizing the inner architecture of poly(e-caprolactone)-based biomaterials and its impact on performance optimization
Track K: General	Tuesday, June 18	3:50-4:10	Long	Thomas	Optical Tracking and Analysis of Non-Spherical, Aggregating Colloidal Systems
Track K: General	Wednesday, June 19	9:20-9:40	Martinez	Carlos	Fabrication of Ceramic Microparticles from Pre ceramic Polymers via Stop
Track K: General	Wednesday, June 19	9:40-10:00	Lee	Seonghan	Additive induced elongation of shape-anisotropic blockcopolymer particles
Track K: General	Wednesday, June 19	10:00-10:20	Wolf	Caitlyn	Structure-function relationship of conjugated and non-conjugated polymer
Track K: General	Wednesday, June 19	10:20-10:40	Wiechert	Alexander	Influence of hydrophilic groups and metal-ion adsorption on polymer-chain
Track K: General	Wednesday, June 19	10:40-11:00	Dekker	Frans	Preparation and scattering properties of hollow silica nanocubes
Track K: General	Wednesday, June 19	11:00-11:20	Kim	Eun Ji	Shape engineering of the monodispersed block copolymer particles
Track K: General	Wednesday, June 19	1:30-1:50	Shah	Smit Alkesh	2D MXene nanomaterials: Oxidation properties in various media and techniques to extend their colloidal stability
Track K: General	Wednesday, June 19	1:50-2:10	Sun	Yuzhe	Fabrication of Polydopamine Nanotubes as a Candidate for Chemo-Photothermal Therapy
Track K: General	Wednesday, June 19	2:10-2:30	Liu	Sitong	Synthesis and evaluation of iron oxide nanoparticle from thermal decomposition of iron oleate with post-synthesis annealing.
Track K: General	Wednesday, June 19	2:30-2:50	Ahn	Jae Wan	In situ monitoring of the heterogeneous nucleation of a second metal on silver nanocubes using an isocyanide molecular probe
Track K: General	Wednesday, June 19	3:10-3:30	Lin	Xiaoying	Facile wet-chemistry synthesis of gold nanorings with tunable optical response
Track K: General	Wednesday, June 19	3:30-3:50	Lyu	Zhiheng	Shape-controlled synthesis of copper nanocrystals through seed-mediated growth
Track K: General	Wednesday, June 19	3:50-4:10	Ahn	Jae Wan	Site-selective carving and co-deposition: Transformation of Ag nanocubes into concave nanocrystals encased by Au-Ag alloy frames
Track L: Jamming, Gelling & Rheology	Monday, June 17	9:20-9:40	Dinic	Jelena	Macromolecular dynamics and extensional rheology of flexible and semi-flexible polymers
Track L: Jamming, Gelling & Rheology	Monday, June 17	9:40-10:00	Gagnon	Yannic	Effect of varying Young's modulus of PDMS on local glass transition temperature of nearby polystyrene
Track L: Jamming, Gelling & Rheology	Monday, June 17	10:00-10:20	Starr	Francis	Changes in the glass formation of polymer thin films and composites: how useful is Tg as a metric?
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Track L: Jamming, Gelling & Rheology	Monday, June 17	10:40-11:00	Chang	Ya-Wen	Drop Formation in Yield Stress Fluids
Track L: Jamming, Gelling & Rheology	Monday, June 17	11:00-11:20	Wu	Qimeng	Exploring physics governing syneresis in colloid polymer mixtures
Track L: Jamming, Gelling & Rheology	Monday, June 17	1:30-1:50	Zhang	Wengang	The Characterization of the Cooperative Motion in Glass-Forming Fluids
Track L: Jamming, Gelling & Rheology	Monday, June 17	1:50-2:10	Conrad	Jacinta	Transport of tracers in nanoparticle supercooled liquids and glasses
Track L: Jamming, Gelling & Rheology	Monday, June 17	2:10-2:30	Elgailani	Ahmed	Multi-Particle Finite Element Simulation of Highly Compressed Microgel-Packings
Track L: Jamming, Gelling & Rheology	Monday, June 17	2:30-2:50	Khirallah	Kareem	Cyclic shear in a mesoscopic model of amorphous plasticity
Track L: Jamming, Gelling & Rheology	Monday, June 17	3:10-3:30	Hinton	Zachary	Interfacial Dynamics and Rheology of Supramolecular Self-Healing
Track L: Jamming, Gelling & Rheology	Monday, June 17	3:30-3:50	Gilchrist	James	Air entrainment through viscous fingering in drying colloid-polymer solutions
Track L: Jamming, Gelling & Rheology	Monday, June 17	3:50-4:10	Varghese	Selwin	Measuring the material properties of drying paint films through microrheology
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	9:20-9:40	Palmer	Jeremy	Nanoparticle Dynamics in Solutions of Semiflexible Polymers
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	9:40-10:00	Weigandt	Katie	Development of Slit and Capillary μ RheoSANS and Investigating the Structure and Rheology of Complex Fluids at High Shear Rate

Track L: Jamming, Gelling & Rheology	Tuesday, June 18	10:00-10:20	Ashkar	Rana	Polymer Dynamics in Percolated Nanoparticle Networks
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	10:20-10:40	Ashkar	Rana	Polymer Dynamics in Percolated Nanoparticle Networks
					Probing density changes in confined polymer systems across different polymers and potential correlation with glass transition
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	10:40-11:00	Han	Yixuan	Structural breakdown in sheared carbon black suspensions
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	11:00-11:20	Hipp	Julie	Scratching viscoelastic colloidal liquid
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	1:30-1:50	Shukla	Asheesh	Reentrant Glass Transition and Cooperative Dynamics in 2D Attractive Bidisperse Colloidal Suspensions
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	1:50-2:10	Ma	Xiaoguang	Rotational and translational diffusion in a 2D colloidal glass-former
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	2:10-2:30	Weeks	Eric	The hydrodynamics of the colloidal glass transition
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	2:30-2:50	Zakhari	Monica E. A.	Glycine-Alanine-Glycine hydrogels: understanding self-assembly and stability
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	3:10-3:30	Thursch	Lavenia	Impact of cellulose nanocrystal source, purification, and surface modification on organogel formation and strength
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	3:30-3:50	Banerjee	Manali	Bi-disperse multiple particle tracking to characterize evolving gels
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	3:50-4:10	Schultz	Kelly	Reconfiguring cracks in shrinkable, granular packings
Track L: Jamming, Gelling & Rheology	Tuesday, June 18	4:10-4:30	Datta	Sujit	
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	9:20-9:40	Rogers	Simon	The dynamics of yielding in concentrated colloidal systems via rheo-XPCS
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	9:40-10:00	Macias	Braulio	Thermo-responsive binary colloidal particle gels
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	10:00-10:20	Cao	Cong	Rheology of glassy and jammed emulsions
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	10:20-10:40	Okesanjo	Omotola	Viscoelasticity of capillary foams
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	10:40-11:00	Auernhammer	Günter K.	Macroscopic deformation vs single particle motion in two and three dimensions
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	11:00-11:20	Auernhammer	Günter K.	Macroscopic deformation vs single particle motion in two and three dimensions
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	1:30-1:50	Choi	Francis	The formulation and rheology of oil-induced branched wormlike micelles and liquid crystals around the phase inversion point
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	1:50-2:10	Ciutara	Clara	Depletion attraction-induced phase transition in lung surfactant bilayers and monolayer
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	2:10-2:30	Caicedo-Casso	Eduard	Rheo-physical characterization of concentrated surfactant solutions
Track L: Jamming, Gelling & Rheology	Wednesday, June 19	2:30-2:50	Koos	Erin	Atypical, non-cubical of asymptotically nonlinear viscoelasticity power law scalings of capillary suspensions
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	9:20-9:40	Darjani	Shaghayegh	Liquid- Hexatic-Solid Phase Transition of Hard-Disk Molecule
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	9:40-10:00	Arya	Gaurav	Interface-mediated assembly of tunable anisotropic nanoparticle clusters and phases
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	10:00-10:20	Isa	Lucio	Active colloids swimming at oil-water interfaces
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	10:20-10:40	Isa	Lucio	Active colloids swimming at oil-water interfaces
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	10:40-11:00	Al-Milaji	Karam	Probing the Colloidal Particle Dynamics in Drying Sessile Droplets
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	11:00-11:20	Cheng	Shengfeng	Capillary forces on a Janus sphere at a liquid-vapor interface
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	1:30-1:50	Rojas	Orlando	Adsorption and interfacial stabilization with nanochitin, nanolignin and nanocelluloses
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	1:50-2:10	Rojas	Orlando	Adsorption and interfacial stabilization with nanochitin, nanolignin and nanocelluloses
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	2:10-2:30	Samaniuk	Joseph	Dynamics of monolayer molybdenum disulfide particles at fluid-fluid interfaces

Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	2:30-2:50	Hong	Joung Sook	Localization of clay particles at the oil–water interface in the presence of surfactants and its reflection in interfacial moduli
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	3:10-3:30	Zhang	Xuan	The adsorption of modified nanoparticles at gas-liquid surface and the enhancement for foam stability with high salinity brine
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	3:30-3:50	Mohraz	Ali	Impact of particles on droplet coalescence in solid-stabilized high internal phase emulsions
Track M: Particles & Molecules at Fluid Interfaces	Tuesday, June 18	3:50-4:10	Ojo	Olakunle	Stoppers and Skins on clay nanotubes help stabilize oil-in-water emulsions and modulate the release of encapsulated surfactants.
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	9:20-9:40	Smits	Joeri	Reversible adsorption of nanoparticles at surfactant-laden liquid-liquid interfaces
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	9:40-10:00	Ma	Junchi	Interfacial tension and interfacial rheology of oil/water interfaces with adsorbed layers of asphaltenes
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	10:00-10:20	Sanatkaran	Neda	Interfacial properties of asphaltenic oil/water interfaces in presence of copolymer demulsifiers
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	10:20-10:40	Fang	Ning	Single particle orientation and rotational tracking of plasmonic gold nanoparticles on synthetic and cell membranes
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	10:40-11:00	Tu	Raymond	Understanding competitive adsorption between biomacromolecules and surfactants
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	11:00-11:20	Tu	Raymond	Understanding competitive adsorption between biomacromolecules and surfactants
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	1:30-1:50	Zasadzinski	Joseph	Lysolipid dilatational modulus and its effects on acute respiratory distress syndrome
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	1:50-2:10	Wu	Yao	Thermo-responsive behavior of surfactant under radial confinement
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	2:10-2:30	Mysona	Joshua	Accelerated micelle destruction near an interface allows for rapid surfactant adsorption from micellar solution
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	2:30-2:50	Somasundaran	Ponisseril	Production, structure-property relationships and toxicity aspects of surfactin biosurfactants
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	3:10-3:30	Molaei	Mehdi	Surface pressure and interfacial rheology of soft glassy protein layers adsorbed on the interface
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	3:30-3:50	Schubert	Jonas	Protein meets Polymer - Smart Au NPs for stimulated phase transfer and peculiar Interfacial properties
Track M: Particles & Molecules at Fluid Interfaces	Wednesday, June 19	3:50-4:10	Barman	Sourav	Dilatational rheology of lung surfactant inhibitors
Track N: Wetting & Adhesion	Monday, June 17	9:20-9:40	Romero-Vargas Castrillón	Santiago	Do Graphene Oxide Nanostructured Coatings Mitigate Bacterial Adhesion?
Track N: Wetting & Adhesion	Monday, June 17	9:40-10:00	Avbenake	Onoriode	3-Dimensional hierarchical surface architecture of piliostigma reticulatum and its seasonal variation characteristics in biomimetics
Track N: Wetting & Adhesion	Monday, June 17	10:00-10:20	Brochard-Wyart	Francoise	Cellular aggregates and microparticles: spontaneous migration, eating, dancing
Track N: Wetting & Adhesion	Monday, June 17	10:20-10:40	Brochard-Wyart	Francoise	Cellular aggregates and microparticles: spontaneous migration, eating, dancing
Track N: Wetting & Adhesion	Monday, June 17	10:40-11:00	Meredith	Carson	Two-Phase Liquid Adhesive Systems from Pollen Particles
Track N: Wetting & Adhesion	Monday, June 17	11:00-11:20	Shin	Donglee	Multiphase bee-collected pollen adhesives with rate-tunable and humidity-
Track N: Wetting & Adhesion	Monday, June 17	1:30-1:50	Salamatin	Artur	Wetting and capillary phenomena in liquid uptake by butterflies
Track N: Wetting & Adhesion	Monday, June 17	1:50-2:10	Girard	Henri-Louis	Lubricant impregnated surfaces for mitigating asphaltenes adsorption
Track N: Wetting & Adhesion	Monday, June 17	2:10-2:30	Larson	Hans	Replacement rates of initially oil-filled microscopic cavities with bulk water

Track N: Wetting & Adhesion	Monday, June 17	2:30-2:50	Baumli	Philipp	Flow-Induced Long-Term Stable Slippery Surfaces
					Measuring the resilience of bioinspired grippers for reversible underwater adhesion
Track N: Wetting & Adhesion	Monday, June 17	3:10-3:30	Noel	Alexis	
Track N: Wetting & Adhesion	Monday, June 17	3:30-3:50	Zhang	Jinde	Wetting transition study of submerged superhydrophobic surface
				Andrew Terhemem	Janus liquid marbles containing oil and water as a vessel for interfacial reactions
Track N: Wetting & Adhesion	Monday, June 17	3:50-4:10	Tyowua		
Track N: Wetting & Adhesion	Monday, June 17	4:10-4:30	Garoff	Stephen	Forced Wetting in Square Capillaries
Track N: Wetting & Adhesion	Tuesday, June 18	9:20-9:40	Quere	David	Temperature effects on water repellency
Track N: Wetting & Adhesion	Tuesday, June 18	9:40-10:00	Quere	David	Temperature effects on water repellency
Track N: Wetting & Adhesion	Tuesday, June 18	10:00-10:20	Duits	Michael	Wettability changes due to fatty acid-calcite multilayer formation at elevated
Track N: Wetting & Adhesion	Tuesday, June 18	10:20-10:40	Kulkarni	Varun	Droplet spreading on supercooled surfaces
Track N: Wetting & Adhesion	Tuesday, June 18	10:40-11:00	Chatterjee	Rukmava	Phase Switching Liquids for Anti-Icing/Frosting
Track N: Wetting & Adhesion	Tuesday, June 18	11:00-11:20	Kannan	Aadithya	Underwater bubble dynamics on aerophilic, porous polymer films
					Solutal Marangoni spreading in the presence of pre-deposited insoluble surfactant monolayers
Track N: Wetting & Adhesion	Tuesday, June 18	1:30-1:50	Sauleda	Madeline	
Track N: Wetting & Adhesion	Tuesday, June 18	1:50-2:10	Straub	Benedikt	Influence of surfactants on the flow profile close to three-phase contact lines
			Stammitti-Scarpone	Aurelio	Solid-Liquid-Liquid Wettability of Surfactant-Oil-Water Systems around the Phase Inversion Point
Track N: Wetting & Adhesion	Tuesday, June 18	2:10-2:30			
Track N: Wetting & Adhesion	Tuesday, June 18	2:30-2:50	Bui	Hy	Evaluation of Sebum Resistance for Long-Wear Face Make-Up Products Using Contact Angle Measurements
					The effect of particle loading on Wenzel state/Cassie-Baxter state transition for nanocomposite superhydrophobic coatings
Track N: Wetting & Adhesion	Tuesday, June 18	3:10-3:30	Zheng	Keqin	
Track N: Wetting & Adhesion	Tuesday, June 18	3:30-3:50	Saneie	Navid	Boiling behavior in a droplet in contact with heated micro-nano patterned surfaces
					Effects of ion species on the structure and wettability of polyelectrolyte multilayers
Track N: Wetting & Adhesion	Tuesday, June 18	3:50-4:10	Yu	Zhipeng	
Track N: Wetting & Adhesion	Tuesday, June 18	4:10-4:30	Zhu	Yuwei	Rational design of fluorine-free and superhydrophobic coating towards oil-water separation
Track N: Wetting & Adhesion	Wednesday, June 19	9:20-9:40	Frechette	Joelle	Coupling between viscous forces and elasticity in soft adhesion
Track N: Wetting & Adhesion	Wednesday, June 19	9:40-10:00	Frechette	Joelle	Coupling between viscous forces and elasticity in soft adhesion
Track N: Wetting & Adhesion	Wednesday, June 19	10:00-10:20	Antonio	Erik	Solving adhesive problems in 3D printed hybrid structures
Track N: Wetting & Adhesion	Wednesday, June 19	10:20-10:40	Khan	Sami	Self-healing lubricant-impregnated surfaces for corrosion protection
					Perfluoropolyether-based molecular bottlebrush as water/oil repellent additive for thermoplastics
Track N: Wetting & Adhesion	Wednesday, June 19	10:40-11:00	Luzinov	Igor	
Track N: Wetting & Adhesion	Wednesday, June 19	11:00-11:20	Daniel	Dan	Hydration lubrication of polyzwitterionic brushes leads to nearly friction- and adhesion-free droplet motion
					Transitions in the Three-Phase Contact Line Motion and the State of Deposition of Polymer from a Volatile Solution
Track N: Wetting & Adhesion	Wednesday, June 19	1:30-1:50	Abo Jabal	Mohammad	
Track N: Wetting & Adhesion	Wednesday, June 19	1:50-2:10	Roth	Connie	Local property changes near interfaces altered by polymer interpenetration,
Track N: Wetting & Adhesion	Wednesday, June 19	2:10-2:30	Roth	Connie	Local property changes near interfaces altered by polymer interpenetration,
Track N: Wetting & Adhesion	Wednesday, June 19	2:30-2:50	Thees	Michael	Surface modification by chain adsorption from solution and melt, and its
Track N: Wetting & Adhesion	Wednesday, June 19	3:10-3:30	Wooh	Sanghyuk	Syntheses of supraparticles on liquid repellent surfaces
Track N: Wetting & Adhesion	Wednesday, June 19	3:30-3:50	Shin	Donglee	Bio-inspired compound eye with tunable multifunctionality by multiphase
					Effects of adhesion promoters on the contact angle of bitumen-aggregate interface
Track N: Wetting & Adhesion	Wednesday, June 19	3:50-4:10	Oliviero Rossi	Cesare	
Track N: Wetting & Adhesion	Wednesday, June 19	4:10-4:30	Seo	Dongjin	Tribological Characterization of Triple Function Lubricant Additives Based on Organic-Inorganic Hybrid Star Polymers
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	1:30-1:50	Wang	Fujia	Mechanisms of transformation of bulk aluminum-lithium alloys to aluminum metal-organic nanowires

Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	1:50-2:10	Unni	Mythreyi	Translational and rotational diffusion of nanoparticles in hyaluronic acid solutions
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	2:10-2:30	Thakare	Dhawal	Generation of monodisperse emulsions using the interfacial tension of immiscible phases
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	2:30-2:50	Sengupta	Rajarshi	Manipulating surfactant transport and adsorption at an oil-water interface using electric fields
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	3:10-3:30	Cheng	Li-Chiun	Colloidal Gelation Through Thermally-Triggered Surfactant Displacement
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	3:30-3:50	Lee	Jin Gyun	Binding of lignin nanoparticles at oil-water interfaces: an ecofriendly alternative to oil spill recovery
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	3:50-4:10	Girard	Henri-Louis	Waterbowls: reducing impacting droplet interactions by momentum redirection
Track O: <i>Langmuir</i> Student Award Sessions	Tuesday, June 18	4:10-4:30	Degen	George	Collagen thin film adhesion mediated by mussel-inspired surface primers