

Presenter Last Name	Presenter First Name	Title of Oral Presentation	Day	Time	Track
Abbott	Nicholas	Equilibrium and Non-Equilibrium Colloidal Phenomena with Liquid Crystals	Tuesday, June 18	10:40-11:00	Track K: General
Abbott	Nicholas	Equilibrium and Non-Equilibrium Colloidal Phenomena with Liquid Crystals	Tuesday, June 18	11:00-11:20	Track K: General
Abdel-Fattah	Amr	Droplet migration in ionic surfactant gradients	Monday, June 17	2:30-2:50	Track F: Electrokinetics, Micropores & Microfluidics
Abedi	Samira	Revealing the role of inter-droplet interactions during nucleation in concentrated emulsions	Wednesday, June 19	3:10-3:30	Track G: Emulsions, Bubbles & Foams
Abo Jabal	Mohammad	Transitions in the Three-Phase Contact Line Motion and the State of	Wednesday, June 19	1:30-1:50	Track N: Wetting & Adhesion
Adams	Mary Catherine	Comparative analysis of DNA aptamers identified via CompELS	Tuesday, June 18	3:50-4:10	Track B: Bio-Inspired Systems
Agiral	Anil	Surface Charging Mechanism for Colloidal Overbased Detergents	Monday, June 17	3:30-3:50	Track F: Electrokinetics, Micropores & Microfluidics
Ahn	Jae Wan	In situ monitoring of the heterogeneous nucleation of a second metal on	Wednesday, June 19	2:30-2:50	Track K: General
Ahn	Jae Wan	Site-selective carving and co-deposition: Transformation of Ag nanocubes into concave nanocrystals encased by Au-Ag alloy frames	Wednesday, June 19	3:50-4:10	Track K: General
Aichele	Clint	Probing the Influence of Surfactant-Nanoparticle Interactions on the Stability of Emulsions	Monday, June 17	2:10-2:30	Track G: Emulsions, Bubbles & Foams
Al Harraq	Ahmed	Magnetic field driven assembly of multicomponent low-symmetry supraparticles	Wednesday, June 19	3:10-3:30	Track E: Directed & Self-Assembly
Alexander	Nathan	Multicomponent diffusion in nonionic micellar solutions with very	Monday, June 17	10:20-10:40	Track K: General
Al-Milaji	Karam	Probing the Colloidal Particle Dynamics in Drying Sessile Droplets	Tuesday, June 18	10:40-11:00	Track M: Particles & Molecules at Fluid Interfaces
Altemose	Alicia	Autonomous annealing of colloidal crystals induced by light-powered	Tuesday, June 18	11:00-11:20	Track E: Directed & Self-Assembly
Alvarez Frances	Laura	Reconfigurable thermo-responsive active colloids	Monday, June 17	11:00-11:20	Track A: Active & Responsive Matter
Anjum	Nishat	Phase Transfer Catalyst -functionalized Nanosheets in Emulsion Formation	Wednesday, June 19	2:10-2:30	Track G: Emulsions, Bubbles & Foams
Antonio	Erik	Solving adhesive problems in 3D printed hybrid structures	Wednesday, June 19	10:00-10:20	Track N: Wetting & Adhesion
Antoniv	Marta	Polymeric Nanoparticles Dispersed in a Pseudo Reverse Nanoemulsion	Monday, June 17	1:50-2:10	Track G: Emulsions, Bubbles & Foams
Arya	Gaurav	Interface-mediated assembly of tunable anisotropic nanoparticle clusters and phases	Tuesday, June 18	9:40-10:00	Track M: Particles & Molecules at Fluid Interfaces
Ashkar	Rana	Polymer Dynamics in Percolated Nanoparticle Networks	Tuesday, June 18	10:00-10:20	Track L: Jamming, Gelling & Rheology
Ashkar	Rana	Polymer Dynamics in Percolated Nanoparticle Networks	Tuesday, June 18	10:20-10:40	Track L: Jamming, Gelling & Rheology
Atmuri	Anand	Tint Dispersions: Understanding Structure-Property Relationships	Monday, June 17	4:10-4:30	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Auernhammer	Günter K.	Macroscopic deformation vs single particle motion in two and three dimensions	Wednesday, June 19	10:40-11:00	Track L: Jamming, Gelling & Rheology
Auernhammer	Günter K.	Macroscopic deformation vs single particle motion in two and three dimensions	Wednesday, June 19	11:00-11:20	Track L: Jamming, Gelling & Rheology
Avbenake	Onoriode	3-Dimensional hierarchical surface architecture of piliostigma reticulatum and its seasonal variation characteristics in biomimetics	Monday, June 17	9:40-10:00	Track N: Wetting & Adhesion
Balazs	Anna	Collaboration and competition between active sheets for self-propelled particles	Monday, June 17	3:10-3:30	Track D: Colloids & Macromolecules in Life Sciences
Balazs	Anna	Collaboration and competition between active sheets for self-propelled particles	Monday, June 17	3:30-3:50	Track D: Colloids & Macromolecules in Life Sciences
Balding	Paul	A scaled-down fluid testing device to efficiently measure hybrid CNC-polyelectrolyte particle properties as additives in water-based drilling fluids	Wednesday, June 19	3:50-4:10	Track i: Environmental Systems & Sustainability

Banerjee	Manali	Impact of cellulose nanocrystal source, purification, and surface modification on organogel formation and strength	Tuesday, June 18	3:30-3:50	Track L: Jamming, Gelling & Rheology
Barman	Sourav	Dilational rheology of lung surfactant inhibitors	Wednesday, June 19	3:50-4:10	Track M: Particles & Molecules at Fluid Interfaces
Baumli	Philipp	Flow-Induced Long-Term Stable Slippery Surfaces	Monday, June 17	2:30-2:50	Track N: Wetting & Adhesion
Bazrafshan	Alisina	Programmable nanoscale rolling motors	Monday, June 17	2:30-2:50	Track A: Active & Responsive Matter
Beckwith	Joanne	Viability, morphology, and dispersal of Staphylococcus epidermidis biofilms: soft matter analysis of heat effects	Monday, June 17	9:40-10:00	Track D: Colloids & Macromolecules in Life Sciences
Behrens	Sven	Oil Coated Bubbles for Flotation Separation of Hydrophilic Particulates from Aqueous Dispersions and Slurries: the Example of Flotation De-Inking	Wednesday, June 19	2:30-2:50	Track H: Energy, Catalysis & Separations
Bharadwaj	Swaminath	Does preferential adsorption drive cononsolvency?	Tuesday, June 18	10:00-10:20	Track K: General
Bharati	Avanish	Crystallization-driven self-assembly of model rod-like particles from diblock copolymers	Monday, June 17	3:50-4:10	Track E: Directed & Self-Assembly
Bharti	Bhuvnesh	Magnetic field driven convection for directed patterning in drying droplets	Wednesday, June 19	3:50-4:10	Track E: Directed & Self-Assembly
Bishop	Kyle	Colloidal Robotics: Shape-based Programming of Active Particles	Wednesday, June 19	10:40-11:00	Track A: Active & Responsive Matter
Bishop	Kyle	Colloidal Robotics: Shape-based Programming of Active Particles	Wednesday, June 19	11:00-11:20	Track A: Active & Responsive Matter
Biswal	Sibani Lisa	Asphaltene Deposition and Remediation in Microfluidic Porous Media	Tuesday, June 18	10:40-11:00	Track F: Electrokinetics, Micropores & Microfluidics
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Blake	Alyssa	Transition studies of thermoresponsive polypeptides	Tuesday, June 18	1:50-2:10	Track B: Bio-Inspired Systems
Blanchard	Aaron	Autochemophoretic DNA motors generate 100+ piconewton forces	Monday, June 17	3:30-3:50	Track A: Active & Responsive Matter
Bolton	Christopher	Measuring the elevation-dependent rotational diffusion tensor of a nanorod	Tuesday, June 18	2:30-2:50	Track C: Colloidal & Surface Forces
Braun	Paul	Colloids for energy storage: from 3D electrode templates to redox active materials	Tuesday, June 18	9:20-9:40	Track H: Energy, Catalysis & Separations
Braun	Paul	Colloids for energy storage: from 3D electrode templates to redox active materials	Tuesday, June 18	9:40-10:00	Track H: Energy, Catalysis & Separations
Breedveld	Victor	Rheological Characterization of Nanocellulose Materials for Quality Control	Monday, June 17	10:00-10:20	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Brettmann	Blair	Processing High Solids Suspensions via Additive Manufacturing	Monday, June 17	9:20-9:40	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Brettmann	Blair	Giant hyaluronan polymer brushes display polyelectrolyte brush polymer physics behavior	Tuesday, June 18	1:30-1:50	Track B: Bio-Inspired Systems
Bretz	Coline	Characterization of the structural properties of colloidal suspensions through advanced Light Scattering.	Monday, June 17	9:20-9:40	Track E: Directed & Self-Assembly
Briscoe	Wuge	Interactions between bacteria lipopolysaccharide layers	Wednesday, June 19	9:40-10:00	Track C: Colloidal & Surface Forces
Brochard-Wyart	Francoise	Cellular aggregates and microparticles: spontaneous migration, eating, dancing	Monday, June 17	10:00-10:20	Track N: Wetting & Adhesion
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Bui	Hy	Evaluation of Sebum Resistance for Long-Wear Face Make-Up Products Using Contact Angle Measurements	Tuesday, June 18	2:30-2:50	Track N: Wetting & Adhesion

Cai	Li	Effects of Inorganic Ions and Natural Organic Matter on the Aggregation of Nanoplastics	Monday, June 17	10:00-10:20	Track i: Environmental Systems & Sustainability
Caicedo-Casso	Eduard	Rheo-physical characterization of concentrated surfactant solutions	Wednesday, June 19	2:10-2:30	Track L: Jamming, Gelling & Rheology
Cao	Cong	Rheology of glassy and jammed emulsions	Wednesday, June 19	10:00-10:20	Track L: Jamming, Gelling & Rheology
Cejas	Cesare	Universal diagram for the kinetics of particle deposition in microchannels	Tuesday, June 18	1:30-1:50	Track C: Colloidal & Surface Forces
Chaikin	Paul	Unstable fronts and stable "critters" formed by magnetic microrollers	Monday, June 17	9:20-9:40	Track A: Active & Responsive Matter
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Chandran Suja	Vineeth	Effects of filtration on foaming performance of anti-foam laden lubricants	Tuesday, June 18	2:10-2:30	Track G: Emulsions, Bubbles & Foams
Chandran Suja	Vineeth	Mechanics of evaporation induced spontaneous cyclic dimpling in binary liquid mixtures and its role in bubble stability	Wednesday, June 19	3:50-4:10	Track G: Emulsions, Bubbles & Foams
Chang	Ya-Wen	Drop Formation in Yield Stress Fluids	Monday, June 17	10:40-11:00	Track L: Jamming, Gelling & Rheology
Chatterjee	Rukmava	Phase Switching Liquids for Anti-Icing/Frosting	Tuesday, June 18	10:40-11:00	Track N: Wetting & Adhesion
Chen	Hsieh	Understanding Calcium-Mediated Adhesion of Nanomaterials in Reservoir Fluids: Insights from Molecular Dynamics Simulations	Monday, June 17	11:00-11:20	Track C: Colloidal & Surface Forces
Chen	Hailong	Understanding the nucleation process of metal nanoparticles in solution with in situ XRD	Wednesday, June 19	10:20-10:40	Track H: Energy, Catalysis & Separations
Cheng	Tao	Nanoscale titanium dioxide (nTiO ₂) transport in porous media: the role of mineral and chemical composition of the transport media	Monday, June 17	10:40-11:00	Track i: Environmental Systems & Sustainability
Cheng	Shengfeng	Stratification in drying soft matter solutions	Tuesday, June 18	9:40-10:00	Track E: Directed & Self-Assembly
Cheng	Shengfeng	Capillary forces on a Janus sphere at a liquid-vapor interface	Tuesday, June 18	11:00-11:20	Track M: Particles & Molecules at Fluid Interfaces
Cheng	Li-Chiun	Colloidal Gelation Through Thermally-Triggered Surfactant Displacement	Tuesday, June 18	3:10-3:30	Track O: <i>Langmuir</i> Student Award Sessions
Chisholm	Nicholas	Hydrodynamic interactions between microswimmers trapped at interfaces	Monday, June 17	3:50-4:10	Track A: Active & Responsive Matter
Chiu Lam	Andreina	Formulation of Ultra-Stable Super Paramagnetic Iron Oxide Nanoparticles for	Wednesday, June 19	10:00-10:20	Track D: Colloids & Macromolecules in
Choi	Francis	The formulation and rheology of oil-induced branched wormlike micelles and liquid crystals around the phase inversion point	Wednesday, June 19	1:30-1:50	Track L: Jamming, Gelling & Rheology
Chung	Jaeyub	Use of Equilibrium and Dynamic Surface Tension Behavior for Detecting	Wednesday, June 19	1:30-1:50	Track E: Directed & Self-Assembly
Ciutara	Clara	Depletion attraction-induced phase transition in lung surfactant bilayers and monolayer	Wednesday, June 19	1:50-2:10	Track L: Jamming, Gelling & Rheology
Cohen	Shlomi	Megadalton polysaccharides at the cell-substratum physically regulate adhesion and migration	Tuesday, June 18	9:20-9:40	Track D: Colloids & Macromolecules in Life Sciences
Conner	Cathryn	Scalable semi-continuous synthesis of environmentally benign nanoparticles with antifungal surface functionality	Wednesday, June 19	10:20-10:40	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Conrad	Jacinta	Transport of tracers in nanoparticle supercooled liquids and glasses	Monday, June 17	1:50-2:10	Track L: Jamming, Gelling & Rheology
Crocker	John	Understanding Soft Glassy Materials with Fractal Energy Landscapes	Monday, June 17	10:40-11:00	Track K: General
Crocker	John	Understanding Soft Glassy Materials with Fractal Energy Landscapes	Monday, June 17	11:00-11:20	Track K: General
Curtis	Jennifer	Self-Regenerating Giant Hyaluronan Polymer Brushes	Monday, June 17	10:40-11:00	Track D: Colloids & Macromolecules in Life Sciences
Da	Chang	Stable Gas-in-Water Foams at High Salinity via Manipulation of Nanoparticle Amphiphilicity	Tuesday, June 18	1:30-1:50	Track G: Emulsions, Bubbles & Foams
Damak	Maher	Fog collection using space-charge injection	Monday, June 17	3:50-4:10	Track F: Electrokinetics, Micropores & Microfluidics
Damak	Maher	Emulsion impacts on hydrophobic surfaces	Tuesday, June 18	9:40-10:00	Track C: Colloidal & Surface Forces
Daniel	Dan	Hydration lubrication of polyzwitterionic brushes leads to nearly friction- and adhesion-free droplet motion	Wednesday, June 19	11:00-11:20	Track N: Wetting & Adhesion

Darjani	Shaghayegh	Liquid- Hexatic-Solid Phase Transition of Hard-Disk Molecule	Tuesday, June 18	9:20-9:40	Track M: Particles & Molecules at Fluid Interfaces
Datta	Sujit	Bacterial hopping and trapping in porous media	Monday, June 17	3:50-4:10	Track D: Colloids & Macromolecules in Life Sciences
Datta	Sujit	Reconfiguring cracks in shrinkable, granular packings	Tuesday, June 18	4:10-4:30	Track L: Jamming, Gelling & Rheology
Davidson	Michael	Interfacial mechanics of PEO-PDMS block-copolymer-coated oil/water interfaces and impact on emulsification	Monday, June 17	1:30-1:50	Track G: Emulsions, Bubbles & Foams
Daviran	Maryam	Microrheological characterization of dynamic cellular re-engineering of the pericellular region at different matrix stiffnesses	Wednesday, June 19	11:00-11:20	Track B: Bio-Inspired Systems
Davis	Virginia	Understanding and Controlling the Self-Assembly of Cellulose Nanocrystal Mesogens into Films to Achieve Desired Properties	Monday, June 17	10:40-11:00	Track E: Directed & Self-Assembly
de Gracia Lux	Caroline	Fluorous iron oxide nanoparticles for acoustic droplet vaporization	Monday, June 17	3:30-3:50	Track G: Emulsions, Bubbles & Foams
de Gracia Lux	Caroline	Bubble inflation using perfluorocarbon nanodroplets: A new theranostic platform	Wednesday, June 19	2:10-2:30	Track D: Colloids & Macromolecules in Life Sciences
de Pablo	Juan	Liquid crystals – from simple self-assembling systems, to autonomous materials constructs	Tuesday, June 18	8-9am	Plenary
Degen	George	Collagen thin film adhesion mediated by mussel-inspired surface primers	Tuesday, June 18	4:10-4:30	Track O: <i>Langmuir</i> Student Award Sessions
Dekker	Frans	Preparation and scattering properties of hollow silica nanocubes	Wednesday, June 19	10:40-11:00	Track K: General
del pezzo	Rita	Stimuli responsive membranes for the targeted delivery of actives	Tuesday, June 18	9:20-9:40	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Deng	Jiayi	Surface active layers of bacteria at oil-water interfaces	Monday, June 17	4:10-4:30	Track A: Active & Responsive Matter
Devlin	Matthew	In-vitro Evaluation of Volumizing Mascara Deposited on Fake Eyelash	Monday, June 17	3:10-3:30	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Dewangan	Narendra	Rotation of oil droplets driven by motile bacteria at interfaces	Monday, June 17	3:10-3:30	Track A: Active & Responsive Matter
DeYoreo	Jim	Interfacial structure, interparticle forces and assembly dynamics during oriented attachment of colloidal crystals	Monday, June 17	10:00-10:20	Track C: Colloidal & Surface Forces
DeYoreo	Jim	Interfacial structure, interparticle forces and assembly dynamics during oriented attachment of colloidal crystals	Monday, June 17	10:20-10:40	Track C: Colloidal & Surface Forces
Dhankher	Anshul	Structural Characterization and Control of a Drug Carrier for Intracellular Antibody Delivery	Tuesday, June 18	4:10-4:30	Track D: Colloids & Macromolecules in Life Sciences
Di Michele	Lorenzo	Multi-functional crystalline frameworks self-assembled from amphiphilic DNA nanostructures.	Tuesday, June 18	1:30-1:50	Track E: Directed & Self-Assembly
Di Michele	Lorenzo	Multi-functional crystalline frameworks self-assembled from amphiphilic DNA nanostructures.	Tuesday, June 18	1:50-2:10	Track E: Directed & Self-Assembly
Dimitriyev	Michael	Rapid shape change in polymer gels via extreme thermodynamics	Wednesday, June 19	3:10-3:30	Track A: Active & Responsive Matter
Ding	Ivan	Controlling the cell culture microenvironment using growth factor eluting PEMs	Tuesday, June 18	1:50-2:10	Track D: Colloids & Macromolecules in Life Sciences
Dinic	Jelena	Macromolecular dynamics and extensional rheology of flexible and semi-flexible polymers	Monday, June 17	9:20-9:40	Track L: Jamming, Gelling & Rheology
Dong	He	Fabrication of self-assembling antimicrobial nanofibers via peptide self-assembly	Wednesday, June 19	1:30-1:50	Track B: Bio-Inspired Systems
Driscoll	Michelle	Critters: stable clusters born from an unstable front	Monday, June 17	10:00-10:20	Track A: Active & Responsive Matter
Ducker	William	The Electrostatic Screening-Length in Confined Concentrated Salt Solutions	Tuesday, June 18	11:00-11:20	Track C: Colloidal & Surface Forces
Duits	Michael	Wettability changes due to fatty acid-calcite multilayer formation at elevated	Tuesday, June 18	10:00-10:20	Track N: Wetting & Adhesion

Duits	Michael	A method for reversible control over nano-roughness of colloidal particles	Wednesday, June 19	10:00-10:20	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Dutcher	Cari	Droplet microfluidics for studying surfactant-rich interfaces: From atmospheric aerosols to bilgewater emulsions	Wednesday, June 19	10:00-10:20	Track G: Emulsions, Bubbles & Foams
Dutcher	Cari	Droplet microfluidics for studying surfactant-rich interfaces: From atmospheric aerosols to bilgewater emulsions	Wednesday, June 19	10:20-10:40	Track G: Emulsions, Bubbles & Foams
Elgailani	Ahmed	Multi-Particle Finite Element Simulation of Highly Compressed Microgel-Packings	Monday, June 17	2:10-2:30	Track L: Jamming, Gelling & Rheology
Ewaldz	Elena	Increased functionality of ultrafine fibers through large particle inclusion	Monday, June 17	1:30-1:50	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Fang	Ning	Single particle orientation and rotational tracking of plasmonic gold nanoparticles on synthetic and cell membranes	Wednesday, June 19	10:20-10:40	Track M: Particles & Molecules at Fluid Interfaces
Farinmade	Azeem	Targeted and Stimuli-Responsive Delivery of Surfactants to the Oil-Water Interface for Applications in Oil Spill Remediation	Monday, June 17	1:30-1:50	Track i: Environmental Systems & Sustainability
Flynn	Michael	Acoustic Characterization of a Nested Voltage-Sensitive Ultrasound Enhancing Agent	Wednesday, June 19	10:20-10:40	Track D: Colloids & Macromolecules in Life Sciences
Frechette	Joelle	Coupling between viscous forces and elasticity in soft adhesion	Wednesday, June 19	9:20-9:40	Track N: Wetting & Adhesion
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Fuller	Gerald	Two Sides of the Evaporation Coin: Stabilizing Foams and Causing Rayleigh-Taylor Instabilities	Tuesday, June 18	9:20-9:40	Track G: Emulsions, Bubbles & Foams
Fuller	Gerald	Two Sides of the Evaporation Coin: Stabilizing Foams and Causing Rayleigh-Taylor Instabilities	Tuesday, June 18	9:40-10:00	Track G: Emulsions, Bubbles & Foams
Gagnon	Yannic	Effect of varying Young's modulus of PDMS on local glass transition	Monday, June 17	9:40-10:00	Track L: Jamming, Gelling & Rheology
Gao	Yuesheng	Effect of Surface Hydrophobicity on Interaction between Water Droplets and Solid Surfaces	Tuesday, June 18	3:10-3:30	Track C: Colloidal & Surface Forces
Garoff	Stephen	Forced Wetting in Square Capillaries	Monday, June 17	4:10-4:30	Track N: Wetting & Adhesion
Ghayour	Amir	Oil-like and Surfactant-like nature of naphthenic acids and asphaltenes and their role in crude oil emulsions	Tuesday, June 18	3:10-3:30	Track G: Emulsions, Bubbles & Foams
Gilbertson	Leanne	The role of colloid and surface science in developing sustainable design	Monday, June 17	9:20-9:40	Track i: Environmental Systems &
Gilbertson	Leanne	The role of colloid and surface science in developing sustainable design	Monday, June 17	9:40-10:00	Track i: Environmental Systems &
Gilbille	Deepshika	How well can you tailor the surface charge on lipid vesicles by adding charged lipids?	Wednesday, June 19	10:40-11:00	Track C: Colloidal & Surface Forces
Gilchrist	James	Air entrainment through viscous fingering in drying colloid-polymer solutions	Monday, June 17	3:30-3:50	Track L: Jamming, Gelling & Rheology
Girard	Henri-Louis	Lubricant impregnated surfaces for mitigating asphaltenes adsorption	Monday, June 17	1:50-2:10	Track N: Wetting & Adhesion
Girard	Henri-Louis	Waterbowls: reducing impacting droplet interactions by momentum redirection	Tuesday, June 18	3:50-4:10	Track O: <i>Langmuir</i> Student Award Sessions
Gizzatov	Ayrat	Encapsulated alkyl benzene sulfonate surfactants for stability in brine at high temperature	Monday, June 17	10:20-10:40	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Gonella	Grazia	How polymers affect protein adsorption	Monday, June 17	1:30-1:50	Track D: Colloids & Macromolecules in Life Sciences
Gresham	Isaac	Examining the effects of surfactants on the structural and mechanical properties of a thermoresponsive polymer brush	Wednesday, June 19	2:10-2:30	Track A: Active & Responsive Matter
Guo	Yusheng	Directed printing and reconfiguration of thermoresponsive nanocomposite structures	Tuesday, June 18	10:20-10:40	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond

Han	Yixuan	Probing density changes in confined polymer systems across different polymers and potential correlation with glass transition	Tuesday, June 18	10:40-11:00	Track L: Jamming, Gelling & Rheology
Harrison	Andrew	Rapid Self-Assembly of Metal/Polymer Hybrid Nanoparticles and Their Use as Nanoreactors	Monday, June 17	4:10-4:30	Track E: Directed & Self-Assembly
Hasan	Mohammad Jahid	Fabrication of cellulose nanocrystals (CNC) with iron oxide (Fe ₃ O ₄) nanoparticles by in-situ co-precipitation method and stability in water	Wednesday, June 19	3:10-3:30	Track i: Environmental Systems & Sustainability
Hashemi Amrei	Seyyed Mohammad Hossein	Asymmetric rectified electric fields (AREFs) significantly alter induced-charge electrokinetic flows	Monday, June 17	10:40-11:00	Track F: Electrokinetics, Micropores & Microfluidics
He	Yuxin	Molecular Transport Properties of Ionic Liquid 1-Butyl-3-methylimidazolium Hexafluorophosphate under Nanopore Confinement	Tuesday, June 18	10:00-10:20	Track F: Electrokinetics, Micropores & Microfluidics
Heble	Annie	Enzyme encapsulation in porous silica nanoparticles to eliminate immune response and extend functional half-life	Tuesday, June 18	2:10-2:30	Track D: Colloids & Macromolecules in Life Sciences
Heftel	Justin	Microfluidic study of drainage, coalescence and coarsening of aqueous 2D foams and emulsions	Wednesday, June 19	9:40-10:00	Track G: Emulsions, Bubbles & Foams
Hinton	Zachary	Impact of Surface Wetting and Processing Technique on High Aspect Ratio Particle Coatings	Tuesday, June 18	2:30-2:50	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Hinton	Zachary	Interfacial Dynamics and Rheology of Supramolecular Self-Healing	Monday, June 17	3:10-3:30	Track L: Jamming, Gelling & Rheology
Hipp	Julie	Structural breakdown in sheared carbon black suspensions	Tuesday, June 18	11:00-11:20	Track L: Jamming, Gelling & Rheology
Homede	Ekhlas	Surface Forces induced Hierarchical Pattern Deposition of Nanoparticles	Monday, June 17	9:20-9:40	Track C: Colloidal & Surface Forces
Hong	Joung Sook	Localization of clay particles at the oil-water interface in the presence of surfactants and its reflection in interfacial moduli	Tuesday, June 18	2:30-2:50	Track M: Particles & Molecules at Fluid Interfaces
Honnigfort	Christian	Finding the right switch: photo-control of air-water interfaces and foams with arylazopyrazole surfactants	Wednesday, June 19	3:30-3:50	Track A: Active & Responsive Matter
Hooshmand	Nasrin	Collective Multipole Oscillations Direct the Plasmonic Coupling at the Nanojunction Interfaces	Wednesday, June 19	3:50-4:10	Track A: Active & Responsive Matter
Horner	Jeffrey	Understanding interspecies blood variations through rheology and microfluidics	Tuesday, June 18	10:40-11:00	Track D: Colloids & Macromolecules in Life Sciences
Hsieh	An-Hsuan	Effect of the Preparation Method on the Formation and the Optical Stabilization and characterization of CO ₂ emulsions synergistically constructed with silica nanoparticles/alkyl ammonium	Tuesday, June 18	9:20-9:40	Track K: General
Hu	Dong-Dong	Stabilization and characterization of CO ₂ emulsions synergistically constructed with silica nanoparticles/alkyl ammonium	Wednesday, June 19	4:10-4:30	Track G: Emulsions, Bubbles & Foams
Hughes	Oliver	Swelling Behaviour of Weakly Cross-linked Microgels	Wednesday, June 19	3:10-3:30	Track C: Colloidal & Surface Forces
Isa	Lucio	Active colloids swimming at oil-water interfaces	Tuesday, June 18	10:00-10:20	Track M: Particles & Molecules at Fluid Interfaces
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Jain	Piyush	AquaDust: responsive nanogels to understand multi-scale water stress in plants	Monday, June 17	1:30-1:50	Track A: Active & Responsive Matter
Jalilvand	Zohreh	Experimental study of the Motion of Patchy Particle Swimmers near a Liquid/Liquid Interface	Monday, June 17	10:40-11:00	Track A: Active & Responsive Matter
Jang	Seung Soon	Multiscale modeling of multicompartiment micelle nanoreactors	Monday, June 17	2:30-2:50	Track K: General
Janmey	Paul	Non-linear elasticity and dissipation in fibrous networks, the cytoskeleton and soft tissues	Monday, June 17	10:00-10:20	Track D: Colloids & Macromolecules in Life Sciences
Janmey	Paul	Non-linear elasticity and dissipation in fibrous networks, the cytoskeleton and soft tissues	Monday, June 17	10:20-10:40	Track D: Colloids & Macromolecules in Life Sciences

Jiang	Shan	Ultrathin Biobased Transparent UV-Blocking Coating Enabled by Nanoparticle Assembly	Monday, June 17	3:50-4:10	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Jiang	Yonglun	Microscopic Rearrangements in the Flow of Polydisperse Dense Emulsions	Wednesday, June 19	2:30-2:50	Track G: Emulsions, Bubbles & Foams
Johnston	Keith P.	Carbon dioxide-in-oil emulsion stabilized with modified silica nanoparticles	Wednesday, June 19	3:30-3:50	Track G: Emulsions, Bubbles & Foams
Jul	Young-Shin	Nucleation and Nanoscale Interfacial Processes in the Environmental Systems	Wednesday, June 19	9:40-10:00	Track i: Environmental Systems & Sustainability
Jun	Young-Shin	Nucleation and Nanoscale Interfacial Processes in the Environmental	Wednesday, June 19	9:20-9:40	Track i: Environmental Systems &
Kannan	Aadithya	Underwater bubble dynamics on aerophilic, porous polymer films	Tuesday, June 18	11:00-11:20	Track N: Wetting & Adhesion
Karman	Andrew	Solubilization of Hydrophobic Compounds in Micellar Solutions: Effects of	Monday, June 17	10:00-10:20	Track K: General
Kasting	Gerald	Mechanisms of anionic surfactant penetration into human skin: Investigating monomer, micelle, and submicellar aggregate penetration theories	Tuesday, June 18	3:50-4:10	Track D: Colloids & Macromolecules in Life Sciences
Kasturi	Abishek	Interfacial phenomena in a gas-liquid reactor for CO2 capture from flue gas	Monday, June 17	2:30-2:50	Track i: Environmental Systems & Sustainability
Kauffman	Joshua	Light driven thermal convection by gold nanoparticles	Wednesday, June 19	10:20-10:40	Track A: Active & Responsive Matter
Khan	Sami	Enhancing current density and hydrocarbon selectivity during electrochemical reduction of CO2 on a copper catalyst by trapping CO2 bubbles on superhydrophobic surfaces	Tuesday, June 18	10:40-11:00	Track H: Energy, Catalysis & Separations
KHAN	Mohd Azeem	Inverted Solvent Transfer Induced Phase Separation for the Fabrication of Mechanically Robust Bijels	Wednesday, June 19	1:30-1:50	Track G: Emulsions, Bubbles & Foams
Khan	Nasreen	Association of nano-cellulosic material with polyelectrolyte complex	Wednesday, June 19	3:30-3:50	Track i: Environmental Systems &
Khan	Sami	Self-healing lubricant-impregnated surfaces for corrosion protection	Wednesday, June 19	10:20-10:40	Track N: Wetting & Adhesion
Kharal	Rita	Multifunctional Bijel Micro-Ropes by Hydrodynamic In-Situ Twisting	Tuesday, June 18	9:40-10:00	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Khirallah	Kareem	Cyclic shear in a mesoscopic model of amorphous plasticity	Monday, June 17	2:30-2:50	Track L: Jamming, Gelling & Rheology
Kim	Jaekang	Bio-inspired wall-shaped adhesive microstructure: effects of contact splitting and substrate roughness	Tuesday, June 18	11:00-11:20	Track B: Bio-Inspired Systems
Kim	Youngeun	Invited LaMer presentation: Transmutable nanoparticles and interchangeable lattices with reconfigurable DNA bonds	Tuesday, June 18	2:10-2:30	Track E: Directed & Self-Assembly
Kim	Yong-ha	The effects of radioactive decay on the fate of radionuclides in gas and particulate phases	Wednesday, June 19	2:10-2:30	Track i: Environmental Systems & Sustainability
Kim	Eun Ji	Shape engineering of the monodispersed block copolymer particles	Wednesday, June 19	11:00-11:20	Track K: General
Kinard	Thomas	Developing a model for lipid domain formation and response to electric field within a 2-dimensional monolayer	Monday, June 17	9:20-9:40	Track K: General
Kitchens	Christopher	Gold Nanoparticle Colloidal Catalysts: Role of Ligands and Strategies for Recovery and Reuse	Wednesday, June 19	3:30-3:50	Track H: Energy, Catalysis & Separations
Koman	Volodymyr	Colloidal, Nanoelectronic State Machines Based on 2D Materials as Smart Aerosolized Probes and Recorders	Wednesday, June 19	1:50-2:10	Track A: Active & Responsive Matter
Koos	Erin	Process route for hierarchically structured zeolite monolith catalyts	Wednesday, June 19	3:50-4:10	Track H: Energy, Catalysis & Separations
Koos	Erin	Atypical, non-cubical of asymptotically nonlinear viscoelasticity power law scalings of capillary suspensions	Wednesday, June 19	2:30-2:50	Track L: Jamming, Gelling & Rheology
Kornev	Kostya	Magnetic Rotational Spectroscopy with ferromagnetic nanorods for analysis of insect blood	Tuesday, June 18	1:30-1:50	Track A: Active & Responsive Matter

Kuhl	Tonya	Direct Force Spectroscopy - Colloidal Science of Complex Fluids and Functional Thin-Films	Tuesday, June 18	10:00-10:20	Track C: Colloidal & Surface Forces
Kuhl	Tonya	Direct Force Spectroscopy - Colloidal Science of Complex Fluids and Functional Thin-Films	Tuesday, June 18	10:20-10:40	Track C: Colloidal & Surface Forces
Kuksenok	Olga	Active reconfiguration of hydrogels-based systems: from hydrogel membranes to assemblies of nanogels at soft interfaces	Tuesday, June 18	9:20-9:40	Track A: Active & Responsive Matter
Kuksenok	Olga	Active reconfiguration of hydrogels-based systems: from hydrogel membranes to assemblies of nanogels at soft interfaces	Tuesday, June 18	9:40-10:00	Track A: Active & Responsive Matter
Kulkarni	Varun	Coalescence and Spreading of Drops Deposited on an Immiscible Liquid	Tuesday, June 18	2:30-2:50	Track K: General
Kulkarni	Varun	Droplet spreading on supercooled surfaces	Tuesday, June 18	10:20-10:40	Track N: Wetting & Adhesion
Kumar	Dinesh	Hybrid plasmonic nanomaterials for visible light induced efficient carbon dioxide photoreduction to formic acid	Wednesday, June 19	10:00-10:20	Track H: Energy, Catalysis & Separations
Kuperkar	Ketan	Unraveling the Solubilization and Cytotoxicity Screening in Aqueous Solution	Wednesday, June 19	2:30-2:50	Track E: Directed & Self-Assembly
Kwon	Na Kyung	Time-resolved structure changes of amyloid beta peptides from monomer to fibrillar aggregates revealed by small-angle x-ray scatterings	Monday, June 17	3:50-4:10	Track K: General
Ladshaw	Austin	DG-OSPREY: A Gas-Phase Fixed-bed Adsorption Model Built on MOOSE	Wednesday, June 19	2:10-2:30	Track H: Energy, Catalysis & Separations
Ladshaw	Austin	Natural nuclide decay processes and implications in particle-particle atmospheric interactions and transport	Wednesday, June 19	4:10-4:30	Track i: Environmental Systems & Sustainability
Landfester	Katharina	Interfacial reactions in direct and inverse miniemulsions	Monday, June 17	10:40-11:00	Track G: Emulsions, Bubbles & Foams
Landfester	Katharina	Interfacial reactions in direct and inverse miniemulsions	Monday, June 17	11:00-11:20	Track G: Emulsions, Bubbles & Foams
Lannigan	Kelly	Role of protein-protein interactions in the adsorption of myoglobin onto mesoporous silica materials	Monday, June 17	3:30-3:50	Track K: General
Larson	Hans	Replacement rates of initially oil-filled microscopic cavities with bulk water	Monday, June 17	2:10-2:30	Track N: Wetting & Adhesion
Lattuada	Marco	Nanoparticles Self-Assembly for the Preparation of Bioinspired Materials with Stimuli-Responsive Color Changing Ability	Wednesday, June 19	2:10-2:30	Track B: Bio-Inspired Systems
Lavrik	Nickolay	2-Photon Polymerization as an Enabling Technology for Self-propelled Microstructures and Active Colloids	Wednesday, June 19	9:20-9:40	Track A: Active & Responsive Matter
Lee	Jin Gyun	Directed propulsion of spherical particles along 3D helical trajectories using induced-charge electrophoresis	Monday, June 17	1:30-1:50	Track F: Electrokinetics, Micropores & Microfluidics
Lee	Jinkee	DC Electric field assisted dynamics of emulsion droplets	Monday, June 17	9:40-10:00	Track G: Emulsions, Bubbles & Foams
Lee	Yi-Ting	Kinetic analysis of oil exchange between stabilized emulsions using small angle neutron scattering	Monday, June 17	10:00-10:20	Track G: Emulsions, Bubbles & Foams
Lee	Sung Min	Highly transparent, flexible conductors and heaters based on metal nanomesh structures manufactured using an all-water-based solution process	Tuesday, June 18	10:40-11:00	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Lee	Jin Gyun	Binding of lignin nanoparticles at oil-water interfaces: an ecofriendly alternative to oil spill recovery	Tuesday, June 18	3:30-3:50	Track O: <i>Langmuir</i> Student Award Sessions
Lee	Seonghan	Additive induced elongation of shape-anisotropic blockcopolymer particles	Wednesday, June 19	9:40-10:00	Track K: General
Lele	Bhagyashree	Depletion forces in solutions containing mutually repelling anionic polyelectrolytes and surfactants	Wednesday, June 19	1:50-2:10	Track C: Colloidal & Surface Forces
Lewis	Jennifer	Printing Soft Matter in Three Dimensions	Monday, June 17	8-9am	Plenary
Li	Zili	Photoinduced reversible morphological transformation of azobenzene-containing pseudo-2D polymers	Monday, June 17	10:00-10:20	Track E: Directed & Self-Assembly
Li	Yirui	Photo-Crosslinking of Recombinant Protein Vesicles via Incorporation of Unnatural Amino Acids	Monday, June 17	2:10-2:30	Track E: Directed & Self-Assembly

Li	Kai	AFM Study of Colloidal Forces between Asymmetric Hydrophobic Bodies in Aqueous Solution	Tuesday, June 18	3:30-3:50	Track C: Colloidal & Surface Forces
Li	Bingbing	Visualizing the inner architecture of poly(ϵ -caprolactone)-based biomaterials and its impact on performance optimization	Tuesday, June 18	3:30-3:50	Track K: General
Li	David	Spontaneous nucleation of dual phase droplets for ultrasound contrast enhancement and drug delivery	Wednesday, June 19	1:50-2:10	Track D: Colloids & Macromolecules in Life Sciences
Lin	Feng	Settling properties of diluted heavy oil emulsion: Effect of extraction additives	Tuesday, June 18	3:50-4:10	Track G: Emulsions, Bubbles & Foams
Lin	Yu-Jiun	Structured Fluids in Microfluidic Geometries	Tuesday, June 18	2:10-2:30	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Lin	Feng	Proactive oil sand tailings management: Change of bitumen extraction process	Tuesday, June 18	2:10-2:30	Track K: General
Lin	Xiaoying	Facile wet-chemistry synthesis of gold nanorings with tunable optical	Wednesday, June 19	3:10-3:30	Track K: General
Liu	Albert	Colloidal electronic cells: distributed, modular, particulate electronic devices for information collection and storage	Monday, June 17	10:20-10:40	Track A: Active & Responsive Matter
Liu	Nian	Nanoscale materials design for deeply rechargeable aqueous zinc anodes	Tuesday, June 18	10:00-10:20	Track H: Energy, Catalysis & Separations
Liu	Mingzhu	Switchable regioselective assemble of triblock microparticles based on surface material recognition	Wednesday, June 19	10:20-10:40	Track E: Directed & Self-Assembly
Liu	Sitong	Synthesis and evaluation of iron oxide nanoparticle from thermal decomposition of iron oleate with post-synthesis annealing.	Wednesday, June 19	2:10-2:30	Track K: General
Long	Thomas	Optical Tracking and Analysis of Non-Spherical, Aggregating Colloidal Systems	Tuesday, June 18	3:50-4:10	Track K: General
Lux	Jacques	Targeted microbubbles for lymphatic bed and lymph nodes mapping	Tuesday, June 18	3:10-3:30	Track D: Colloids & Macromolecules in Life Sciences
Luzinov	Igor	Polymer Nanocomposites Reinforced via Alignment of Magnetized SiC Whiskers	Tuesday, June 18	10:40-11:00	Track A: Active & Responsive Matter
Luzinov	Igor	Perfluoropolyether-based molecular bottlebrush as water/oil repellent additive for thermoplastics	Wednesday, June 19	10:40-11:00	Track N: Wetting & Adhesion
Lyu	Zhiheng	Shape-controlled synthesis of copper nanocrystals through seed-mediated growth	Wednesday, June 19	3:30-3:50	Track K: General
Ma	Yingzhen	Directed foaming of oppositely charged fatty acid-nanoparticle mixtures: Correlating bulk structures with foam stability	Tuesday, June 18	2:30-2:50	Track G: Emulsions, Bubbles & Foams
Ma	Xiaoguang	Reentrant Glass Transition and Cooperative Dynamics in 2D Attractive Bidisperse Colloidal Suspensions	Tuesday, June 18	1:50-2:10	Track L: Jamming, Gelling & Rheology
Ma	Yingzhen	Temperature induced demixing of surfactant solutions in nanoporous materials: Directed pore uptake and phase separation in confinement	Wednesday, June 19	2:10-2:30	Track E: Directed & Self-Assembly
Ma	Junchi	Interfacial tension and interfacial rheology of oil/water interfaces with adsorbed layers of asphaltenes	Wednesday, June 19	9:40-10:00	Track M: Particles & Molecules at Fluid Interfaces
Macias Rodriguez	Braulio	Thermo-responsive binary colloidal particle gels	Wednesday, June 19	9:40-10:00	Track L: Jamming, Gelling & Rheology
Mahynski	Nathan	Symmetry-based discovery of multicomponent, two-dimensional colloidal crystals	Monday, June 17	2:30-2:50	Track E: Directed & Self-Assembly
Maimouni	Ilham	Microfluidic-based polymeric foams as potential photonic structures	Wednesday, June 19	11:00-11:20	Track G: Emulsions, Bubbles & Foams
Maloney	Craig	Magnetic particles in rotating fields: Role of susceptibility in chain collapse	Wednesday, June 19	3:30-3:50	Track E: Directed & Self-Assembly

Manoharan	Vinothan	Colloidal crystallization on a cylinder	Wednesday, June 19	9:20-9:40	Track E: Directed & Self-Assembly
Manoharan	Vinothan	Colloidal crystallization on a cylinder	Wednesday, June 19	9:40-10:00	Track E: Directed & Self-Assembly
Marciel	Amanda	Structure and rheology of polyelectrolyte complex coacervates	Monday, June 17	3:10-3:30	Track E: Directed & Self-Assembly
Martinez	Carlos	Fabrication of Ceramic Microparticles from Preceramic Polymers via Stop Flow Lithography	Wednesday, June 19	9:20-9:40	Track K: General
McBride	Samantha	Crystal patterning via evaporation: spirals, triangles, rings, and arrays	Tuesday, June 18	9:20-9:40	Track E: Directed & Self-Assembly
McDevitt	Kyle	Improving cyclability of ZnO cathodes through microstructural design	Tuesday, June 18	11:00-11:20	Track H: Energy, Catalysis & Separations
McGuinness	Emily	Vapor Phase Infiltration of Metal Oxide Dispersions into Nanoporous Polymer Membranes for Organic Solvent Separation	Wednesday, June 19	1:50-2:10	Track H: Energy, Catalysis & Separations
Meredith	Carson	Two-Phase Liquid Adhesive Systems from Pollen Particles	Monday, June 17	10:40-11:00	Track N: Wetting & Adhesion
Messersmith	Phillip	Interfacial molecular force spectroscopy of bioinspired catecholamine macromolecules	Tuesday, June 18	9:20-9:40	Track B: Bio-Inspired Systems
Messersmith	Phillip	Interfacial molecular force spectroscopy of bioinspired catecholamine macromolecules	Tuesday, June 18	9:40-10:00	Track B: Bio-Inspired Systems
Milam	Valeria	Implementing A Practical Screening Platform called CompELS for Oligonucleotide Ligands	Tuesday, June 18	10:40-11:00	Track B: Bio-Inspired Systems
Milliron	Delia	Plasmonic metal oxide nanocrystals	Wednesday, June 19	9:20-9:40	Track H: Energy, Catalysis & Separations
Milliron	Delia	Plasmonic metal oxide nanocrystals	Wednesday, June 19	9:40-10:00	Track H: Energy, Catalysis & Separations
Min	Younjin	Intermolecular Interactions and Rheological Properties of Ionic Liquids at Multiple Length Scales	Tuesday, June 18	10:40-11:00	Track C: Colloidal & Surface Forces
Mkam Tsengam	Igor Kevin	Multicompartmental liposome pouches to modulate drug and vaccine release	Tuesday, June 18	3:30-3:50	Track B: Bio-Inspired Systems
Mohabir	Amar	Selective CoAxial Lithography via Etching of Surfaces (SCALES): A Bottom-up Nanoscale Patterning Process	Monday, June 17	1:50-2:10	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Mohraz	Ali	Impact of particles on droplet coalescence in solid-stabilized high internal phase emulsions	Tuesday, June 18	3:30-3:50	Track M: Particles & Molecules at Fluid Interfaces
Molaei	Mehdi	Surface pressure and interfacial rheology of soft glassy protein layers	Wednesday, June 19	3:10-3:30	Track M: Particles & Molecules at Fluid
Moradipour	Mahsa	Interaction of Eugenol and Lignin Dimer-Functionalized Silica Nanoparticles	Tuesday, June 18	2:30-2:50	Track D: Colloids & Macromolecules in
Morfesis	Anastasia	Coagulation Studies in Full Scale Drinking Water Plants	Monday, June 17	11:00-11:20	Track i: Environmental Systems & Sustainability
Mujica	Maritza	The Geode Process: A Route to Large-Scale Manufacturing of Functionally-Encoded Semiconductor Nanowires	Tuesday, June 18	10:00-10:20	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Munoz-Espi	Rafael	Latent Heat Storage in Polymer-Based Micro- and Nanocapsules	Wednesday, June 19	1:50-2:10	Track i: Environmental Systems &
Mysona	Joshua	Accelerated micelle destruction near an interface allows for rapid surfactant adsorption from micellar solution	Wednesday, June 19	2:10-2:30	Track M: Particles & Molecules at Fluid Interfaces
Narsimhan	Vivek	Cross-stream migration of non-spherical particles in non-Newtonian fluids,	Tuesday, June 18	3:50-4:10	Track F: Electrokinetics, Micropores &
Narsimhan	Vivek	Dynamics, deformation, and stability of giant unilamellar vesicles in various	Wednesday, June 19	10:00-10:20	Track B: Bio-Inspired Systems
Nave	Gary	Coming together to climb higher: agent-based modeling of fire ant tower building	Wednesday, June 19	2:30-2:50	Track B: Bio-Inspired Systems
Nayani	Karthik	Straining Red Blood Cells with Liquid Crystals	Tuesday, June 18	9:40-10:00	Track D: Colloids & Macromolecules in
Nelson	Diane	Mass transfer of dye-loaded, water-in-perfluorocarbon reverse emulsion	Monday, June 17	3:50-4:10	Track G: Emulsions, Bubbles & Foams
Newbloom	Greg	Self-Assembled Ceramic Membranes for Redox Flow Batteries	Tuesday, June 18	10:20-10:40	Track H: Energy, Catalysis & Separations

Newbloom	Greg	Functionalized Nanoporous Ceramic Membranes Towards Low-Cost	Wednesday, June 19	1:30-1:50	Track H: Energy, Catalysis & Separations
Nguyen	Duy	Work of Adhesion and Spreading Coefficient as an Efficient Tool for	Wednesday, June 19	4:10-4:30	Track C: Colloidal & Surface Forces
Noel	Alexis	Measuring the resilience of bioinspired grippers for reversible underwater adhesion	Monday, June 17	3:10-3:30	Track N: Wetting & Adhesion
Ochoa	Chrystian	Stepwise Thinning and Nanoscopic Thickness Variations in Foam Films Formed by Aqueous Sodium Naphthenate Solutions	Tuesday, June 18	3:30-3:50	Track G: Emulsions, Bubbles & Foams
Ohno	Kohji	Binary colloidal crystals from nucleobase-containing-polymer-brush-	Tuesday, June 18	2:30-2:50	Track E: Directed & Self-Assembly
Ojo	Olakunle	Stoppers and Skins on clay nanotubes help stabilize oil-in-water emulsions	Tuesday, June 18	3:50-4:10	Track M: Particles & Molecules at Fluid
Okello	Lilian	Magneto-capillary soft actuators made by 3D-printing with homocomposite capillary pastes (HCPs)	Tuesday, June 18	2:10-2:30	Track A: Active & Responsive Matter
Okesanjo	Omotola	Viscoelasticity of capillary foams	Wednesday, June 19	10:20-10:40	Track L: Jamming, Gelling & Rheology
Oliviero Rossi	Cesare	Effects of adhesion promoters on the contact angle of bitumen-aggregate interface	Wednesday, June 19	3:50-4:10	Track N: Wetting & Adhesion
Palkar	Vaibhav	Computational design of active hydrogels with controllably degradable crosslinks	Wednesday, June 19	9:40-10:00	Track A: Active & Responsive Matter
Palmer	Jeremy	Nanoparticle Dynamics in Solutions of Semiflexible Polymers	Tuesday, June 18	9:20-9:40	Track L: Jamming, Gelling & Rheology
Papastavrou	Georg	Direct Force Measurements by AFM with Sub-Micron Particles and Non-Conventional Colloidal Probes	Wednesday, June 19	10:00-10:20	Track C: Colloidal & Surface Forces
Papastavrou	Georg	Direct Force Measurements by AFM with Sub-Micron Particles and Non-Conventional Colloidal Probes	Wednesday, June 19	10:20-10:40	Track C: Colloidal & Surface Forces
Park	Sinwook	Active electrokinetic control of the concentration-polarization layer in a microchannel-Nafion membrane system	Monday, June 17	10:00-10:20	Track F: Electrokinetics, Micropores & Microfluidics
Park	Won Min	Design of nanoscale assemblies using synthetically designed protein shapes as building blocks	Wednesday, June 19	1:50-2:10	Track B: Bio-Inspired Systems
Parkinson	Graham	Comparison of Analysis Methods for Differential Dynamic Microscopy	Tuesday, June 18	3:10-3:30	Track K: General
Pellegrino	Luca	Design of bio-inspired surface topographies via wrinkling superposition	Tuesday, June 18	10:00-10:20	Track B: Bio-Inspired Systems
Perry	Sarah	Electrospinning Polyelectrolyte Complex Fibers	Monday, June 17	3:30-3:50	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Perry	Sarah	Design Rules for Encapsulating Proteins into Complex Coacervates	Tuesday, June 18	4:10-4:30	Track B: Bio-Inspired Systems
Perry	Sarah	High-throughput microfluidics for use at X-ray free-electron lasers	Tuesday, June 18	1:30-1:50	Track F: Electrokinetics, Micropores & Microfluidics
Peterson	Amy	Humidity history and tempering of polyelectrolyte-based systems	Tuesday, June 18	1:30-1:50	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Peterson	Amy	Humidity history and tempering of polyelectrolyte-based systems	Tuesday, June 18	1:50-2:10	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Philips	Laura	Distinguishing protein aggregates from contaminants in viscous mixtures with holographic video microscopy	Monday, June 17	2:30-2:50	Track D: Colloids & Macromolecules in Life Sciences
Pich	Andrij	Stimuli-responsive supramolecular microgels	Monday, June 17	1:50-2:10	Track A: Active & Responsive Matter
Pillai	Sreekiran	Molecular Insights Into The Loss of Hydrophobicity of Desalination	Wednesday, June 19	11:00-11:20	Track C: Colloidal & Surface Forces
Piunova	Victoria	Biodegradable Nanogel-Core Star Polymers: A Platform for Probrammable Macromolecular Self-Assembly	Wednesday, June 19	9:20-9:40	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
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Popescu	Mihail	"Three-body" interaction between chemically active and chemically passive particles near a wall	Tuesday, June 18	11:00-11:20	Track A: Active & Responsive Matter
Pospisil	Martin	Self Assembly of Cellulose Nanocrystals into Helical Microstructures	Monday, June 17	11:00-11:20	Track E: Directed & Self-Assembly
Prakash	Shaurya	Colloidal particle transfer from microchannel nozzle to porous substrates	Tuesday, June 18	9:20-9:40	Track F: Electrokinetics, Micropores & Microfluidics
Pustulka	Samantha	Protein corona mediates protein nanoparticle-cellular interactions	Tuesday, June 18	1:30-1:50	Track D: Colloids & Macromolecules in Life Sciences
Quere	David	Temperature effects on water repellency	Tuesday, June 18	9:20-9:40	Track N: Wetting & Adhesion
Quere	David	Temperature effects on water repellency	Tuesday, June 18	9:40-10:00	Track N: Wetting & Adhesion
Raj	Nikhil	Fabrication of enclosed channels for creation of 3D microfluidics paper based analytical devices (3D μ -PADs) using plasma deposition and etching	Tuesday, June 18	3:30-3:50	Track F: Electrokinetics, Micropores & Microfluidics
Ramachandran	Arun	The interfacial tension of water-in-diluted-bitumen emulsions at high bitumen concentrations	Tuesday, June 18	4:10-4:30	Track G: Emulsions, Bubbles & Foams
Rapoport	Leonid	Using Hierarchical Aerophilic Surfaces to Capture Bubbles and Prevent Foam	Tuesday, June 18	11:00-11:20	Track G: Emulsions, Bubbles & Foams
Rashed	Mohamed Z.	Dielectrophoresis based characterization of LEA proteins	Monday, June 17	11:00-11:20	Track F: Electrokinetics, Micropores & Microfluidics
Rashidi	Aidin	Influence of cap weight on the motion of a Janus particle very near a wall	Tuesday, June 18	4:10-4:30	Track C: Colloidal & Surface Forces
Richards	Jeffrey	Hydrodynamic coupling of the mechano-electro response in fluid suspensions of conducting particles	Monday, June 17	2:10-2:30	Track K: General
Ridwan	Muhammad Ghifari	Long-range attraction between glycine-coated mica surfaces in ultradilute electrolytes	Wednesday, June 19	9:20-9:40	Track C: Colloidal & Surface Forces
Ristenpart	William	Oscillating Electric Fields in Liquids Create a Long-Range Steady Field: Implications for Electrokinetics	Monday, June 17	9:20-9:40	Track F: Electrokinetics, Micropores & Microfluidics
Ristenpart	William	Oscillating Electric Fields in Liquids Create a Long-Range Steady Field: Implications for Electrokinetics	Monday, June 17	9:40-10:00	Track F: Electrokinetics, Micropores & Microfluidics
Rivera-Rodriguez	Angelie	Magnetic hyperthermia potentiates Paclitaxel treatment in breast cancer	Wednesday, June 19	10:40-11:00	Track D: Colloids & Macromolecules in Life Sciences
Rogers	Simon	The dynamics of yielding in concentrated colloidal systems via rheo-XPCS	Wednesday, June 19	9:20-9:40	Track L: Jamming, Gelling & Rheology
Rojas	Orlando	Adsorption and interfacial stabilization with nanochitin, nanoliginin and	Tuesday, June 18	1:30-1:50	Track M: Particles & Molecules at Fluid
Rojas	Orlando	Adsorption and interfacial stabilization with nanochitin, nanoliginin and	Tuesday, June 18	1:50-2:10	Track M: Particles & Molecules at Fluid
Romero-Vargas	Santiago	Do Graphene Oxide Nanostructured Coatings Mitigate Bacterial Adhesion?	Monday, June 17	9:20-9:40	Track N: Wetting & Adhesion
Ron	Cesar	How Nanoscale Surface Heterogeneity Impacts Transport of Nano- to Micro-Particles on Surfaces under Unfavorable Attachment Conditions	Tuesday, June 18	3:50-4:10	Track C: Colloidal & Surface Forces
Roth	Connie	Local property changes near interfaces altered by polymer interpenetration, chain connectivity, and adhesion	Wednesday, June 19	1:50-2:10	Track N: Wetting & Adhesion
Roth	Connie	Local property changes near interfaces altered by polymer interpenetration, chain connectivity, and adhesion	Wednesday, June 19	2:10-2:30	Track N: Wetting & Adhesion
Russo	Paul	Reversible Conversion of Submicron Toroidal Bubbles to Spherical Bubbles	Tuesday, June 18	10:20-10:40	Track G: Emulsions, Bubbles & Foams
Saha	Tamoghna	Osmotic-Capillary Principles for Microfluidic Pumping and Fluid Management	Tuesday, June 18	2:10-2:30	Track F: Electrokinetics, Micropores & Microfluidics
Salaita	Khalid	A measure of molecular muscle: Development and application of fluorescence-based probes to map piconewton forces in living systems	Tuesday, June 18	10:00-10:20	Track D: Colloids & Macromolecules in Life Sciences
Salaita	Khalid	A measure of molecular muscle: Development and application of fluorescence-based probes to map piconewton forces in living systems	Tuesday, June 18	10:20-10:40	Track D: Colloids & Macromolecules in Life Sciences
Salamatin	Artur	Wetting and capillary phenomena in liquid uptake by butterflies	Monday, June 17	1:30-1:50	Track N: Wetting & Adhesion

Samaniuk	Joseph	Dynamics of monolayer molybdenum disulfide particles at fluid-fluid interfaces	Tuesday, June 18	2:10-2:30	Track M: Particles & Molecules at Fluid Interfaces
Sanatkaran	Neda	Interfacial properties of asphaltenic oil/water interfaces in presence of copolymer demulsifiers	Wednesday, June 19	10:00-10:20	Track M: Particles & Molecules at Fluid Interfaces
Saneie	Navid	Boiling behavior in a droplet in contact with heated micro-nano patterned surfaces	Tuesday, June 18	3:30-3:50	Track N: Wetting & Adhesion
Sanson	Nicolas	Hydrogels with thermo-responsive mechanical properties	Monday, June 17	2:10-2:30	Track A: Active & Responsive Matter
Sanson	Nicolas	Structuration of silica nanoparticles in water: Nanostructure and Response to Drying Stress	Monday, June 17	9:40-10:00	Track K: General
Sanson	Nicolas	PEGylated NiPAM microgels: synthesis, characterization and colloidal stability	Wednesday, June 19	1:30-1:50	Track A: Active & Responsive Matter
Santer	Svetlana	Light driven diffusioosmosis: passive and active manipulation of colloids at solid/liquid interface	Tuesday, June 18	10:00-10:20	Track A: Active & Responsive Matter
Santo	Kolattukudy	Interaction nanoparticle chromatography on polymer grafted substrates at critical conditions of adsorption.	Tuesday, June 18	10:20-10:40	Track K: General
Santore	Maria	Engineering colloids to recreate biointeractive mechanisms in systems of flowing cells	Wednesday, June 19	9:20-9:40	Track B: Bio-Inspired Systems
Santore	Maria	Engineering colloids to recreate biointeractive mechanisms in systems of flowing cells	Wednesday, June 19	9:40-10:00	Track B: Bio-Inspired Systems
Sauleda	Madeline	Solutal Marangoni spreading in the presence of pre-deposited insoluble surfactant monolayers	Tuesday, June 18	1:30-1:50	Track N: Wetting & Adhesion
Schneider	James	Impact of Surfactant Headgroup Chemistry on Charging Processes in Nonpolar Liquids	Monday, June 17	3:10-3:30	Track F: Electrokinetics, Micropores & Microfluidics
Schneider	James	Direct, PCR-less Detection of Viral RNA using Micelle Tagging Electrophoresis	Wednesday, June 19	1:30-1:50	Track D: Colloids & Macromolecules in
Schubert	Jonas	Protein meets Polymer - Smart Au NPs for stimulated phase transfer and peculiar Interfacial properties	Wednesday, June 19	3:30-3:50	Track M: Particles & Molecules at Fluid Interfaces
Schultz	Kelly	Bi-disperse multiple particle tracking to characterize evolving gels	Tuesday, June 18	3:50-4:10	Track L: Jamming, Gelling & Rheology
Schweizer	Kenneth	Microscopic theory of how surfaces and confinement determine spatially heterogeneous activated dynamics and elasticity	Monday, June 17	1:30-1:50	Track K: General
Schweizer	Kenneth	Microscopic theory of how surfaces and confinement determine spatially heterogeneous activated dynamics and elasticity	Monday, June 17	1:50-2:10	Track K: General
Schwenger	Matthew	Making bijels mechanically better membranes by manipulating bicontinuous	Wednesday, June 19	1:50-2:10	Track G: Emulsions, Bubbles & Foams
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	Monday, June 17	1:50-2:10	Track D: Colloids & Macromolecules in Life Sciences
SenGupta	Ashoke	Challenges with Herbicidal Premixes	Monday, June 17	11:00-11:20	Track J: Formulation, Processing &
Sengupta	Rajarshi	Manipulating surfactant transport and adsorption at an oil-water interface	Tuesday, June 18	2:30-2:50	Track O: <i>Langmuir</i> Student Award
Seo	Dongjin	Tribological Characterization of Triple Function Lubricant Additives Based on	Wednesday, June 19	4:10-4:30	Track N: Wetting & Adhesion
Seyedi	Mastooreh	Cellulose nanofibrils as functional carriers	Wednesday, June 19	10:40-11:00	Track J: Formulation, Processing &
Shafiq	Mohamad Danial	Evaporation of droplet: The role of long-range colloidal interactions	Wednesday, June 19	3:50-4:10	Track C: Colloidal & Surface Forces
Shah	Smit Alkesh	2D MXene nanomaterials: Oxidation properties in various media and techniques to extend their colloidal stability	Wednesday, June 19	1:30-1:50	Track K: General
Shahbaznezhad	Mohcen	An investigation in the effect of the non-uniform electric field in the highly dispersed water in oil emulsion	Monday, June 17	4:10-4:30	Track F: Electrokinetics, Micropores & Microfluidics
Sharma	Aditi	Mathematical model for fibrillation kinetics of the yeast prion Sup35NM	Monday, June 17	2:10-2:30	Track D: Colloids & Macromolecules in Life Sciences
Shi	Yifeng	H ₂ O ₂ Decomposition on Pd Nanocrystals with Surface Twin Boundaries	Wednesday, June 19	2:10-2:30	Track C: Colloidal & Surface Forces

Shi	Shi	Monitoring catalytic reductions in bimetallic nanoreactors created through orthogonal self-assembly	Wednesday, June 19	11:00-11:20	Track H: Energy, Catalysis & Separations
Shi	Shi	Rational design and synthesis of bifunctional nanocrystals for probing catalytic reactions by surface-enhanced Raman scattering	Wednesday, June 19	3:10-3:30	Track H: Energy, Catalysis & Separations
Shillingford	Cicely	Advances in template-assisted capillary assembly: lattices, superstructures, and functional colloids	Wednesday, June 19	10:00-10:20	Track E: Directed & Self-Assembly
Shim	Yul Hui	Orientation Transition of Graphene Oxide Liquid Crystal under Shear	Tuesday, June 18	9:40-10:00	Track K: General
Shin	Donglee	Multiphase bee-collected pollen adhesives with rate-tunable and humidity-protective functionality	Monday, June 17	11:00-11:20	Track N: Wetting & Adhesion
Shin	Donglee	Bio-inspired compound eye with tunable multifunctionality by multiphase colloidal assembly	Wednesday, June 19	3:30-3:50	Track N: Wetting & Adhesion
Shukla	Asheesh	Scratching viscoelastic colloidal liquid	Tuesday, June 18	1:30-1:50	Track L: Jamming, Gelling & Rheology
Singh	Ishita	Microfluidic generation of magnetic alginate microparticles for magnetic	Tuesday, June 18	2:30-2:50	Track F: Electrokinetics, Micropores &
Smith	Maxwell	Dynamics of filamentous phage in polymer solutions	Monday, June 17	4:10-4:30	Track D: Colloids & Macromolecules in
Smith	Alexander	Ion pairing in symmetric multivalent electrolytes probed via colloidal forces	Tuesday, June 18	2:10-2:30	Track C: Colloidal & Surface Forces
Smits	Joeri	Reversible adsorption of nanoparticles at surfactant-laden liquid-liquid interfaces	Wednesday, June 19	9:20-9:40	Track M: Particles & Molecules at Fluid Interfaces
Snyder	Abigail	Utilizing Surface Analytical Techniques to Investigate Microplastics in the Great Lakes	Monday, June 17	10:20-10:40	Track i: Environmental Systems & Sustainability
Solomon	Michael	Effect of crystal quality on the brilliance of structural color from self-	Monday, June 17	10:20-10:40	Track E: Directed & Self-Assembly
Somasundaran	Ponisseril	Production, structure-property relationships and toxicity aspects of surfactin biosurfactants	Wednesday, June 19	2:30-2:50	Track M: Particles & Molecules at Fluid Interfaces
Song	Jie	Soft, but strong, bacterial cellulose microcapsules	Tuesday, June 18	3:10-3:30	Track B: Bio-Inspired Systems
Song	Yang	Synthetic neutrophil extracellular traps (NETs) : A biomimetic alternative to understand NET/pathogen interaction	Wednesday, June 19	3:30-3:50	Track B: Bio-Inspired Systems
Stammitti-Scarpone	Aurelio	Solid-Liquid-Liquid Wettability of Surfactant-Oil-Water Systems around the Phase Inversion Point	Tuesday, June 18	2:10-2:30	Track N: Wetting & Adhesion
Starr	Francis	Changes in the glass formation of polymer thin films and composites: how useful is Tg as a metric?	Monday, June 17	10:00-10:20	Track L: Jamming, Gelling & Rheology
Starr	Francis	Changes in the glass formation of polymer thin films and composites: how useful is Tg as a metric?	Monday, June 17	10:20-10:40	Track L: Jamming, Gelling & Rheology
Staton	Jennifer	Kinetics of phospholipid transport to interfaces in colloidal dispersions or gels	Monday, June 17	4:10-4:30	Track G: Emulsions, Bubbles & Foams
Stevenson	Michael	Improving the Estimates of Hamaker Constants Using Atomic Force Microscopy: Effect of Surface Roughness on Cantilever Deflections	Monday, June 17	10:40-11:00	Track C: Colloidal & Surface Forces
Straub	Benedikt	Influence of surfactants on the flow profile close to three-phase contact lines	Tuesday, June 18	1:50-2:10	Track N: Wetting & Adhesion
Street	Shane	Phase transferable polymer encapsulated metallic nanoparticles	Wednesday, June 19	10:40-11:00	Track H: Energy, Catalysis & Separations
Su	Xiao	Electrochemical Redox-Mediated Systems for Environmental Separations and Remediation	Wednesday, June 19	10:00-10:20	Track i: Environmental Systems & Sustainability
Sun	Guanqing	Preparation of microcapsules from Pickering emulsions and their use in coating films	Wednesday, June 19	9:20-9:40	Track G: Emulsions, Bubbles & Foams
Sun	Yuzhe	Fabrication of Polydopamine Nanotubes as a Candidate for Chemo-	Wednesday, June 19	1:50-2:10	Track K: General
Sundar	Suryavarshini	oil spill dispersants formulated with bio-based surfactants and enzymes	Wednesday, June 19	10:40-11:00	Track G: Emulsions, Bubbles & Foams
Szilagyi	Istvan	Nanoclay-based enzyme cascade for decomposition of reactive oxygen species	Wednesday, June 19	9:40-10:00	Track D: Colloids & Macromolecules in Life Sciences

Taboada-Serrano	Patricia	Interfacial effects on heterogeneous nucleation of gas hydrates and ice	Monday, June 17	2:10-2:30	Track i: Environmental Systems & Sustainability
Tabor	Christopher	Chemically tuning the mechanical properties of core shell liquid metal nanoparticles	Tuesday, June 18	9:20-9:40	Track C: Colloidal & Surface Forces
Tabor	Christopher	Responsive Polymerized Liquid Metal Networks	Wednesday, June 19	2:30-2:50	Track A: Active & Responsive Matter
Tajuelo	Javier	Base oil/water emulsions: analysis of the drainage rate and critical thickness from single droplet coalescence experiments	Monday, June 17	9:20-9:40	Track G: Emulsions, Bubbles & Foams
Tang	Xiaoyu	Buffer solutions enable versatile particle delivery into dead-end pores	Monday, June 17	2:10-2:30	Track F: Electrokinetics, Micropores & Microfluidics
Tang	Christina	Biomolecule Encapsulation via Electrostatically Driven Flash NanoPrecipitation	Wednesday, June 19	9:20-9:40	Track D: Colloids & Macromolecules in Life Sciences
Tansi	Benjamin	Light-powered direction-controlled colloidal micropumps	Tuesday, June 18	10:40-11:00	Track E: Directed & Self-Assembly
Thakare	Dhawal	Generation of monodisperse emulsions using the interfacial tension of immiscible phases	Tuesday, June 18	2:10-2:30	Track O: <i>Langmuir</i> Student Award Sessions
Thapa	Nabin	Binary fluid interface characterization with surface light scattering spectroscopy	Tuesday, June 18	1:30-1:50	Track K: General
Thees	Michael	Surface modification by chain adsorption from solution and melt, and its potential impact on property changes in thin polymer films	Wednesday, June 19	2:30-2:50	Track N: Wetting & Adhesion
Thio	Reginald	Leidenfrost droplet duster	Wednesday, June 19	1:30-1:50	Track C: Colloidal & Surface Forces
Thorson	Todd	Tissue response and integration in morphologically unique biomaterial implants derived from colloid-stabilized emulsions	Tuesday, June 18	3:30-3:50	Track D: Colloids & Macromolecules in Life Sciences
Thursch	Lavenia	Glycine-Alanine-Glycine hydrogels: understanding self-assembly and stability	Tuesday, June 18	3:10-3:30	Track L: Jamming, Gelling & Rheology
Torres Diaz	Isaac	Superellipses Phase Behavior & Structures	Wednesday, June 19	11:00-11:20	Track E: Directed & Self-Assembly
Travitz	Alyssa	Modeling of polymer-induced colloid interactions at multiple length scales	Monday, June 17	9:40-10:00	Track C: Colloidal & Surface Forces
Tu	Sidong	Phase separation of ternary mixtures incorporating bottlebrushes: A Dissipative Particle Dynamics approach	Monday, June 17	3:30-3:50	Track E: Directed & Self-Assembly
Tu	Raymond	Understanding competitive adsorption between biomacromolecules and surfactants	Wednesday, June 19	10:40-11:00	Track M: Particles & Molecules at Fluid Interfaces
Tu	Raymond	Understanding competitive adsorption between biomacromolecules and surfactants	Wednesday, June 19	11:00-11:20	Track M: Particles & Molecules at Fluid Interfaces
Tyowua	Andrew Terhemen	Janus liquid marbles containing oil and water as a vessel for interfacial reactions	Monday, June 17	3:50-4:10	Track N: Wetting & Adhesion
Unni	Mythreyi	Translational and rotational diffusion of nanoparticles in hyaluronic acid solutions	Tuesday, June 18	1:50-2:10	Track O: <i>Langmuir</i> Student Award Sessions
Uyama	Makoto	Novel nanoemulsion using a hybrid surfactant of silicone and hydrocarbon	Monday, June 17	10:20-10:40	Track G: Emulsions, Bubbles & Foams
Valiei	Amin	Anodized Aluminum with Nanoholes Impregnated with Quaternary Ammonium Compounds as Antibacterial Surfaces	Monday, June 17	3:30-3:50	Track i: Environmental Systems & Sustainability
Valtierrez-Gaytan	Cain	Cholesterol effects on monolayer structure, stability, and surface rheology	Wednesday, June 19	10:40-11:00	Track B: Bio-Inspired Systems
van der Vegt	Nico	Non-additive ion effects on collapse and swelling transitions of thermoresponsive polymers	Tuesday, June 18	2:10-2:30	Track B: Bio-Inspired Systems
van der Wee	Ernest	Binary icosahedral quasicrystals of hard spheres in spherical confinement	Wednesday, June 19	10:40-11:00	Track E: Directed & Self-Assembly
Varghese	Selwin	Measuring the material properties of drying paint films through microrheology	Monday, June 17	3:50-4:10	Track L: Jamming, Gelling & Rheology

Veeren	Anisha	Optimization of liposomal carriers for mRNA delivery	Monday, June 17	3:10-3:30	Track K: General
Velegol	Darrell	Manufacturing Smart Innovations -- Moving Colloid & Surface R&D to Manufacturing Faster and at Higher Value	Monday, June 17	2:10-2:30	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Velegol	Stephanie	Virus removal in a sustainable water filter	Wednesday, June 19	10:40-11:00	Track i: Environmental Systems & Sustainability
Walsh	Martin	Bilayer Alteration through Ultrasound-Induced Cavitation of Microbubbles	Monday, June 17	3:10-3:30	Track G: Emulsions, Bubbles & Foams
Wang	Haiqiao	Effects of Convection in Concentrated Surfactant Dissolution	Monday, June 17	10:40-11:00	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Wang	Zhongzhen	Understanding the Salt Transport Properties of Graphene Oxide Membranes: Permeation Measurements and Electrokinetic Modeling	Tuesday, June 18	9:40-10:00	Track F: Electrokinetics, Micropores & Microfluidics
Wang	Fujia	Mechanisms of transformation of bulk aluminum-lithium alloys to aluminum metal-organic nanowires	Tuesday, June 18	1:30-1:50	Track O: <i>Langmuir</i> Student Award Sessions
Watanabe	Kei	Relationship between maximum internal phase ration of W/O emulsion and the self-assembly of the outer phase	Tuesday, June 18	1:50-2:10	Track G: Emulsions, Bubbles & Foams
Weeks	Eric	Rotational and translational diffusion in a 2D colloidal glass-former	Tuesday, June 18	2:10-2:30	Track L: Jamming, Gelling & Rheology
Weigandt	Katie	Development of Slit and Capillary μ RheoSANS and Investigating the Structure and Rheology of Complex Fluids at High Shear Rate	Tuesday, June 18	9:40-10:00	Track L: Jamming, Gelling & Rheology
Weirich	Kimberly	Motor filament size and activity influences organization in biopolymer droplets	Wednesday, June 19	3:10-3:30	Track B: Bio-Inspired Systems
Wiechert	Alexander	Mechanisms of adsorbent aging and its influence on iodine capture from nuclear fuel reprocessing off-gas	Wednesday, June 19	1:30-1:50	Track i: Environmental Systems & Sustainability
Wiechert	Alexander	Influence of hydrophilic groups and metal-ion adsorption on polymer-chain conformation of amidoxime-based uranium adsorbents	Wednesday, June 19	10:20-10:40	Track K: General
Williams	Stuart	There are particles in my whiskey: dynamic light scattering characterization of bourbon whiskey colloids	Tuesday, June 18	1:50-2:10	Track K: General
Wirth	Christopher	Mapping Evanescent Wave Scattering from Form Anisotropic Particles	Wednesday, June 19	2:30-2:50	Track C: Colloidal & Surface Forces
Woehl	Taylor	Death and rebirth of colloidal assemblies in electrochemically generated pH	Tuesday, June 18	4:10-4:30	Track F: Electrokinetics, Micropores &
Wolf	Caitlyn	Structure-function relationship of conjugated and non-conjugated polymer	Wednesday, June 19	10:00-10:20	Track K: General
WooH	Sanghyuk	Syntheses of supraparticles on liquid repellent surfaces	Wednesday, June 19	3:10-3:30	Track N: Wetting & Adhesion
Wu	Nan	Microrheological characterization of covalent adaptable hydrogels for applications in oral delivery	Monday, June 17	9:20-9:40	Track D: Colloids & Macromolecules in Life Sciences
Wu	Qimeng	Exploring physics governing syneresis in colloid polymer mixtures	Monday, June 17	11:00-11:20	Track L: Jamming, Gelling & Rheology
Wu	Yao	pH-Induced reorientation of cytochrome c on silica nanoparticles	Tuesday, June 18	1:50-2:10	Track C: Colloidal & Surface Forces
Wu	Haichao	Influence of Electrostatic Effects on Nanoparticle Escape Times from a Porous Cavity	Tuesday, June 18	10:20-10:40	Track F: Electrokinetics, Micropores & Microfluidics
Wu	Yao	Thermo-responsive behavior of surfactant under radial confinement	Wednesday, June 19	1:50-2:10	Track M: Particles & Molecules at Fluid Interfaces
Xi	Yuyin	New type of porous material synthesized by the solvent segregation driven nanoparticle self-assembly	Monday, June 17	9:40-10:00	Track E: Directed & Self-Assembly
Xing	Xing	Enhanced Removal of Iodide from Water by Core-Shell Magnetic Nanoparticles Cu ₂ O@Fe ₃ O ₄	Wednesday, June 19	11:00-11:20	Track i: Environmental Systems & Sustainability
Xu	Chenxian	Coalescence of nanoscopic mesas in stratifying foam films	Tuesday, June 18	10:00-10:20	Track G: Emulsions, Bubbles & Foams
Yang	Xingfu	Propulsion of asymmetric dielectric particles under high frequency AC	Monday, June 17	1:50-2:10	Track F: Electrokinetics, Micropores &
Yang	Deyu	Droplet-Based Tool to Determine the Impact of Additives on Isotropic-to-	Tuesday, June 18	3:10-3:30	Track F: Electrokinetics, Micropores &

Yao	Tianyi	Directed micro assembly via capillary curvature attraction using a magnetic microrobot at oil/water interface	Tuesday, June 18	10:20-10:40	Track E: Directed & Self-Assembly
Ye	Rong (Rocky)	Stabilized Metal Clusters for Bridging Heterogeneous and Homogeneous Catalysts: the Case of Gold	Wednesday, June 19	8-9am	LaMer
Yee	Andrew	Tracking particle assembly into streamwise bands	Monday, June 17	10:20-10:40	Track F: Electrokinetics, Micropores & Microfluidics
Yossifon	Gilad	Electrically powered self-propelled micromotors for label-free and directed cargo delivery	Wednesday, June 19	10:00-10:20	Track A: Active & Responsive Matter
Yu	Huaizhe	Dissociative adsorption of chlorine on metal surfaces triggers orientational	Monday, June 17	3:10-3:30	Track i: Environmental Systems &
Yu	Zhipeng	Effects of ion species on the structure and wettability of polyelectrolyte multilayers	Tuesday, June 18	3:50-4:10	Track N: Wetting & Adhesion
Zakhari	Monica E. A.	The hydrodynamics of the colloidal glass transition	Tuesday, June 18	2:30-2:50	Track L: Jamming, Gelling & Rheology
Zandi	Roya	Principles for designing protein nanocages	Monday, June 17	1:30-1:50	Track E: Directed & Self-Assembly
Zandi	Roya	Principles for designing protein nanocages	Monday, June 17	1:50-2:10	Track E: Directed & Self-Assembly
Zarzar	Lauren	Structural Coloration by Cascading Total Internal Reflection and Interference at Microscale Concave Interfaces	Tuesday, June 18	4:45-5:45pm	Unilever
Zarzar	Lauren	Chemotactic Droplet Interactions	Tuesday, June 18	1:50-2:10	Track A: Active & Responsive Matter
Zasadzinski	Joseph	Cholesterol induced morphological transitions and their effect on monolayer rheology	Tuesday, June 18	10:20-10:40	Track B: Bio-Inspired Systems
Zasadzinski	Joseph	Comparison of line tension measurement methods for lipid monolayers at liquid-liquid coexistence	Wednesday, June 19	10:20-10:40	Track B: Bio-Inspired Systems
Zasadzinski	Joseph	Near-IR one photon triggered liposome cages for calcium, ATP or your favorite small molecule	Wednesday, June 19	11:00-11:20	Track D: Colloids & Macromolecules in Life Sciences
Zasadzinski	Joseph	Perfluoroheptane loaded hollow gold nanoshells reduce nanobubble threshold fluence	Wednesday, June 19	2:30-2:50	Track D: Colloids & Macromolecules in Life Sciences
Zasadzinski	Joseph	Lysolipid dilatational modulus and its effects on acute respiratory distress syndrome	Wednesday, June 19	1:30-1:50	Track M: Particles & Molecules at Fluid Interfaces
Zauscher	Stefan	Stimulus-Responsive Microphase-Separation of Resilin/Elastin Block-Copolyptides in Solution and in Thin Films	Tuesday, June 18	10:20-10:40	Track A: Active & Responsive Matter
Zembyla	Morfo	Pickering Water-in-Oil (W/O) Emulsions Stabilized by an Interfacial Complex of Polyphenol Crystals and Protein	Monday, June 17	2:30-2:50	Track G: Emulsions, Bubbles & Foams
Zhang	Yingnan	Controlled small molecule release from dual-stimuli responsive microgels	Monday, June 17	11:00-11:20	Track D: Colloids & Macromolecules in
Zhang	Wengang	The Characterization of the Cooperative Motion in Glass-Forming Fluids	Monday, June 17	1:30-1:50	Track L: Jamming, Gelling & Rheology
Zhang	Jinde	Wetting transition study of submerged superhydrophobic surface	Monday, June 17	3:30-3:50	Track N: Wetting & Adhesion
Zhang	Peng	Lysozyme Amyloid Fibrils Aggregation and Assembling in Droplet Based	Tuesday, June 18	10:00-10:20	Track E: Directed & Self-Assembly
Zhang	Yi	Passive sweat collection and its colorimetric analysis using a soft microfluidic	Tuesday, June 18	1:50-2:10	Track F: Electrokinetics, Micropores &
Zhang	Xuan	The adsorption of modified nanoparticles at gas-liquid surface and the enhancement for foam stability with high salinity brine	Tuesday, June 18	3:10-3:30	Track M: Particles & Molecules at Fluid Interfaces
Zhang	Zechen	Molecular diffusion in nanoscale confinement	Wednesday, June 19	3:30-3:50	Track C: Colloidal & Surface Forces
Zhang	Xiaokun	Derivation of cluster free energy profile for octyl/dodecyl phosphocholine micelles from molecular dynamics simulations	Wednesday, June 19	1:50-2:10	Track E: Directed & Self-Assembly
Zhao	Bin	Functional polymer brush-grafted nanoparticles for use as oil lubricant additives	Monday, June 17	9:40-10:00	Track J: Formulation, Processing & Manufacturing on the Colloidal Length Scale and Beyond
Zheng	Keqin	The effect of particle loading on Wenzel state/Cassie-Baxter state transition for nanocomposite superhydrophobic coatings	Tuesday, June 18	3:10-3:30	Track N: Wetting & Adhesion
Zheng	Jianzhong	Mussel-inspired modification of porous PVDF for membrane distillation	Wednesday, June 19	10:20-10:40	Track i: Environmental Systems & Sustainability
Zhou	Hao	Design of Eco-friendly Surfactant Chemical Herders for Maritime Oil Spill	Monday, June 17	1:50-2:10	Track i: Environmental Systems &

Zhu	Jingyi	Settling behavior of the proppant in viscoelastic foams at high temperature	Tuesday, June 18	10:40-11:00	Track G: Emulsions, Bubbles & Foams
Zhu	Yuwei	Rational design of fluorine-free and superhydrophobic coating towards oil-water separation	Tuesday, June 18	4:10-4:30	Track N: Wetting & Adhesion
Zia	Roseanna	Modeling the Brownian hydrodynamics of intracellular motion	Tuesday, June 18	11:00-11:20	Track D: Colloids & Macromolecules in Life Sciences