

Polymer Physics Telluride Research Conference
July 24-28, 2023

Sunday July 23

5:00 - 6:30 pm All-Telluride Science Meet and Greet

Location: [The Liberty](#) (121. S Fir Street)

Monday 8AM breakfast at Telluride Intermediate School

8:30AM **Zhen-Gang Wang:** Solvent reorganization entropy in polyelectrolyte complex coacervation;

9:15AM **Vivek Prabhu:** Cosolvent effects on the phase separation of charged polymers

10AM **Break**

10:30AM **Rachel Segalman:** Conjugated Polymer Coacervates: circumventing solubility limits to make mixed ion/electron conductors

11:15AM **Sam Srivastava:** TBD

Monday Evening

7:00PM **Mahesh Mahanthappa:** Spanning Self-Assembly Lengthscales with Core-Shell Bottlebrushes

7:45PM **Enrique Gomez:** Mapping nanoscale heterogeneity to reveal flow through polymer membranes

8:30PM **Sanat Kumar:** Something on nanoplastics/polymer upcycling

Tuesday 8AM breakfast at Telluride Intermediate School

8:30AM **Peter Olmsted:** Swelling and phase separation in polymer gels

9:15AM **Jian Qin:** The static and dynamic behavior of dynamic polymer clusters in the gelation window.

10AM **Break**

10:30AM **Michael Rubinstein:** AB associations in reversible gels including re-entrant gelation and phase diagrams

11:15AM **Kay Saalwachter:** Dynamics of associative networks based upon cluster-forming stickers: recent insights and open questions

Tuesday 6:30 PM: Town Talk followed by pizza at Rachel/Lynn's

Wednesday 8AM breakfast at Telluride Intermediate School

8:30AM **Jaci Conrad:** Extensional rheology of polymer-colloid mixtures (collaboration with Vivek Sharma)

9:15AM **Tim Lodge:** Fragmentation kinetics of block copolymer micelles

10AM **Break**

10:30AM **Muthu Muthukumar:** Polyzwitterion assembly and phase behavior

11:15AM **Jenny Laaser** Origins of “sticky” dynamics in complex coacervates – insights from above the binodal

Wednesday 5:30 PM: All-TSRC Picnic

Thursday 8AM breakfast at Telluride Intermediate School

8:30AM **Lynn Walker:** Polymers and polymer complexes at fluid-fluid interfaces

9:15AM **Brad Olsen** [PolymerMatch.com](#): Finding Similar Polymers Using Graphs

10AM **Break**

10:30AM **Arun Yethiraj:** Something about Coacervates
11:15AM **Kevin Dorfman:** Network phases in block polymers

Thursday 7:30 PM

7:30PM **Natalie Stingelin:** Phase Diagrams of Polymer Materials Systems: From the Katana, Swiss
 Chocolates to Organic Semiconducting Devices
8:15PM **Ying Diao:** Non-equilibrium assembly of functional polymers