8:30 – 9:00  Breakfast

9:00 – 9:30  Invited Speaker:  
- Surita Bhatia, Stony Brook University  
  Teaching old biomaterials new tricks: Engineering crystallinity and topology into polymer networks

9:30 – 10:00  Short Talks:  
1. Clement Marmorat, Stony Brook University – Imaging gelation dynamics in biopolymers  
2. Liudi Zhang, Stony Brook University – Thrombogenesis and polymer surface interactions  
3. Ying Liu, Advanced Energy Research and Technology Center – Electrospun fibers: Water filtration and energy

10:00 – 10:30  Invited Speaker:  
- Oleg Gang, Brookhaven National Laboratory  
  Programmable nano-systems and their transformations

10:30 – 11:00  Coffee Break

11:00 – 11:30  Invited Speaker:  
- Alexandra Zidovska, New York University  
  Mechanism and function of chromatin positional dynamics in interphase

11:30 – 12:00  Short Talks:  
1. Miriam Rafaelovich, Stony Brook University – Confinement, entanglements, and stem cell differentiation  
2. Xiaolei Chu, Rutgers University – Modeling of bio-inspired vesicle and its interactions with nanoparticles  
3. Lenka Kovalcinova, New Jersey Institute of Technology – Scaling of force networks for compressed particulate systems

12:00 – 12:30  Invited Speaker:  
- Chinedum Osuji, Yale University  
  Dynamical arrest and yielding responses in colloidal glasses and gels

12:30 – 1:15  Lunch

1:15 – 2:00  Poster session:  
1. Andrei Fluerasu, Brookhaven National Laboratory – Opportunities for soft matter and complex fluids at NSLS-II  
2. Ron Pindak, Brookhaven National Laboratory – In-situ x-ray scattering study of organic thin film growth by vapor jet and solvent-based printing  
3. Masafumi Fukuto, Brookhaven National Laboratory – Complex materials scattering (CMS): SAXS/WAXS and GISAXS/GIWAXS beamline for materials science research at NSLS-II  
5. Eru Kyeyune-Nyombi, City College of New York – Characterization of jammed colloidal systems using fluorescence imaging techniques  
6. Justin Cheung, Stony Brook University – Effects of the adsorbed polymer nanolayers on the dewetting of polystyrene thin films  
7. Chungchueh Chang, Advanced Energy Research and Technology Center – Predicting cell transforming using mechanics and metabolism  
8. Martin Sauzade, Stony Brook University – Bubbles in confined viscous microgeometries  
9. Bibin M. Jose, Stony Brook University – Wetting dynamics and arrangement of droplets in microchannels  
10. Xiaoyi Hu, Stony Brook University – Inertial instability of viscosity-stratified flows in microchannels  
11. Eric Brouzes, Stony Brook University – Rapid and continuous magnetic separation in droplet microfluidic devices  
12. Amir M. Rahmani, Stony Brook University – Nanoscale lubrication flow past a colloidal cylinder

2:00 – 2:30  Invited Speaker:  
- Irving P. Herman, Columbia University  
  Modes of assembling quantum dots in two and three dimensions

2:30 – 3:00  Short Talks:  
1. Leebyn Chong, Rutgers University – Coarse-grained PAMAM dendrimer dynamics in implicit solvent  
2. Deborah Barkley, Stony Brook University – Homeotropically aligned self-organizing dendronized polymer  
3. Alexei Tkachenko, Brookhaven National Laboratory – Generic phase diagram of binary superlattices

3:00 – 3:30  Invited Speaker:  
- Mu-Ping Nieh, University of Connecticut  
  Controlling self-assembled lipid-based nanoparticles for theranostic and nanobiosensing materials

3:30 – 4:00  Coffee Break

4:00 – 4:30  Invited Speaker:  
- Taehun Lee, City College of New York  
  Viscous coalescing droplets in a saturated vapor phase

4:30 – 5:00  Short Talks:  
1. Samaneh Farokhirad, City College of New York – Coalescence-induced jumping of droplet  
2. Pejman Sanaei, New Jersey Institute of Technology – Flow and fouling in a pleated membrane filter  
3. Hossein Rezvantalab, Rutgers University – Directed assembly of Janus particles using interfacial shear flows

5:00 – 5:30  Invited Speaker:  
- Yuan-Nan Young, New Jersey Institute of Technology  
  Hydrodynamics of a lipid bilayer membrane: Fluid dynamics in cell biology