Monday, October 9	**Young Researchers Workshop:** **Current trends in kinetic theory**
9:00 – 9:25	***BREAKFAST (hosted by CSCAMM)***
MORNING SESSION	***Chair:*** **Sébastien Motsch**, (Arizona State University)
9:25 – 9:30	**Eitan Tadmor** (CSCAMM, University of Maryland) *Welcoming Remarks*
9:30 – 10:10	**Antonio De Rosa**, (New York University) Stability of optimal paths in branched transport
10:15 – 10:55	**Javier Morales**, (University of Maryland) Least action principles with applications to gradient flows and kinetic equations
11:00 – 11:30	***COFFEE BREAK***
11:30 – 12:10	**Kjetil Olsen Lye**, (ETH Zurich) Computing statistical solutions of hyperbolic conservation laws
12:15 – 2:00	***LUNCH (hosted by CSCAMM)***
AFTERNOON SESSION	***Chair:*** **Franca Hoffmann**, (California Institute of Technology)
2:00 – 2:40	**Theodore Drivas**, (Princeton University) An Onsager singularity theorem for the compressible Euler equations
2:45 – 3:15	***COFFEE BREAK***
3:15 – 3:55	**Alexander Watson**, (Duke University) Wave-packet dynamics in locally periodic media with a focus on the effects of Bloch band degeneracies
4:00 – 4:40	**Siming He**, (University of Maryland, College Park) Suppression of blow-up in chemotaxis through fluid flow

Tuesday, October 10	**Young Researchers Workshop:** **Current trends in kinetic theory**
9:00 – 9:30	***BREAKFAST (hosted by CSCAMM)***
MORNING SESSION	***Chair:*** **Siming He**, (University of Maryland)
9:30 – 10:10	**Sébastien Motsch**, (Arizona State University) Tumor growth: from agent-based model to free-boundary problem
10:15 – 10:55	**Changhui Tan**, (Rice University) Kinetic swarming models and hydrodynamic limits
11:00 – 11:30	***COFFEE BREAK***
11:30 – 12:10	**David Poyato**, (University of Granada) Exploring a first order hydrodynamic limit of the kinetic Cucker–Smale model with singular influence function
12:15 – 2:00	***LUNCH***
AFTERNOON SESSION	***Chair:*** **Changhui Tan**, (Rice University)
2:00 – 2:40	**Xiaochuan Tian**, (University of Texas at Austin) Nonlocal models with a finite range of nonlocal interactions
2:45 – 3:15	***COFFEE BREAK***
3:15 – 3:55	**Franca Hoffmann**, (California Institute of Technology) Equilibria of diffusing and self-attracting particles
4:00 – 4:40	**Claudia Totzeck**, (Technical University Kaiserslautern) Consensus-based global optimization

Wednesday, October 11	**Young Researchers Workshop:** **Current trends in kinetic theory**
9:00 – 9:30	***BREAKFAST (hosted by CSCAMM)***
MORNING SESSION	***Chair:*** **Javier Morales**, (University of Maryland)
9:30 – 10:10	**Kyle Steffen**, (University of Utah) Network modeling and analysis of sea ice permeability
10:15 – 10:55	**Di Fang**, (University of Wisconsin-Madison) A diabatic surface hopping algorithm based on time perturbation theory and semiclassical analysis
11:00 – 11:30	***COFFEE BREAK***
11:30 – 12:10	**Luc Grosheintz-Laval**, (ETH Zurich) High-order well-balanced FVM for Euler equations with gravity
12:15 – 12:55	**Lei Li**, (Duke University) Compactness and weak solutions of time fractional PDEs
AFTERNOON SESSION	***Free Afternoon***
EVENING ACTIVITIES	
7:00	***DINNER***

Thursday, October 12	**Young Researchers Workshop:** **Current trends in kinetic theory**
9:00 – 9:30	***BREAKFAST (hosted by CSCAMM)***
MORNING SESSION	***Chair:*** **Kjetil Olsen Lye**, (ETH Zurich)
9:30 – 10:10	**Tarek Elgindi**, (University of California, San Diego) Singularity formation in incompressible fluids
10:15 – 10:55	**Tomasz Debiec**, (University of Warsaw) Energy conservation for the Euler-Korteweg equations
11:00 – 11:30	***COFFEE BREAK***
11:30 – 12:10	**Francesco Patacchini**, (Carnegie Mellon University) A regularized particle method for linear and nonlinear diffusion
12:15 – 2:00	***LUNCH (hosted by CSCAMM)***
AFTERNOON SESSION	***Chair:*** **David Poyato**, (University of Granada)
2:00 – 2:40	**Subash Ray**, (New Jersey Institute of Technology) Brainless intelligence: the curious case of acellular slime mold Physarum polycephalum
2:45 – 3:15	***COFFEE BREAK***
3:15 – 3:55	**Maxime Breden**, (Technical University of Munich) Moments estimates for the discrete coagulation-fragmentation equations with diffusion
4:00 – 4:40	**Yuhua Zhu**, (University of Wisconsin-Madison) Sensitivity analysis and uniform regularity for the Vlasov-Poisson-Fokker-Planck system with uncertainty and multiple scales