

<b>Monday, November 9</b>	<b>Young Researchers Workshop: Kinetic theory with applications in physical sciences</b>
9:00 - 9:25	<i><b>BREAKFAST</b> (hosted by CSCAMM)</i>
<b>MORNING SESSION</b>	<b>Chair: Qin Li</b> (University of Wisconsin-Madison)
9:25 - 9:30	<b>Eitan Tadmor</b> (CSCAMM, University of Maryland) <i>Welcoming Remarks</i>
9:30 - 10:10	<b>Lee Ricketson</b> (New York University) <a href="#">Multilevel Monte Carlo for the kinetic equations of plasmas and rarefied gases</a>
10:15 - 10:55	<b>Hui Huang</b> (Duke University) <a href="#">Error estimate of a random particle blob method for the Keller-Segel equation</a>
11:00 - 11:30	<i><b>COFFEE BREAK</b></i>
11:30 - 12:10	<b>Jeff Haack</b> (Los Alamos National Laboratory) <a href="#">Building a better BGK</a>
12:15 - 2:00	<i><b>LUNCH</b> (hosted by CSCAMM)</i>
<b>AFTERNOON SESSION</b>	<b>Chair: Jacob Bedrossian</b> (CSCAMM, University of Maryland)
2:00 - 2:40	<b>Sara Merino Aceituno</b> (Imperial College of London) <a href="#">Anomalous energy transport in one-dimensional crystals</a>
2:45 - 3:15	<i><b>COFFEE BREAK</b></i>
3:15 - 3:55	<b>Michele Coti Zelati</b> (University of Maryland) <a href="#">Enhanced dissipation and hypoellipticity in shear flows</a>
4:00 - 4:40	<b>Zhenning Cai</b> (RWTH Aachen University) <a href="#">Moment methods and adaptive spectral methods in the gas kinetic theory</a>

<b>Tuesday, November 10</b>	<b>Young Researchers Workshop: Kinetic theory with applications in physical sciences</b>
9:00 - 9:30	<b><i>BREAKFAST (hosted by CSCAMM)</i></b>
<b>MORNING SESSION</b>	<b><i>Chair: Jacob Bedrossian</i></b> (CSCAMM, University of Maryland)
9:30 - 10:10	<b>Mark Wilkinson</b> (New York University) <a href="#">On the Boltzmann equation for non-spherical particles</a>
10:15 - 10:55	<b>Maja Taskovic</b> (University of Texas at Austin) <a href="#">Exponential tail behavior for solutions to the homogeneous Boltzmann equation</a>
11:00 - 11:30	<b><i>COFFEE BREAK</i></b>
11:30 - 12:10	<b>Lise-Marie Imbert-Gérard</b> (New York University) <a href="#">Waves in plasmas, models and more</a>
12:15 - 2:00	<b><i>LUNCH</i></b>
<b>AFTERNOON SESSION</b>	<b><i>Chair: Qin Li</i></b> (University of Wisconsin-Madison)
2:00 - 2:40	<b>Jia Zhao</b> (University of South Carolina) <a href="#">A multiphase complex fluids model for cytokinesis of eukaryotes</a>
2:45 - 3:15	<b><i>COFFEE BREAK</i></b>
3:15 - 3:55	<b>Lei Wu</b> (Carnegie Mellon University) <a href="#">Geometric correction for diffusive expansion of neutron transport equation</a>
4:00 – 4:40	<b>Bokai Yan</b> (University of California, Los Angeles) <a href="#">A hybrid method with deviational particles for spatial inhomogeneous plasma</a>

<b>Wednesday, November 11</b>	<b>Young Researchers Workshop: Kinetic theory with applications in physical sciences</b>
9:00 - 9:30	<i><b>BREAKFAST</b></i> (hosted by CSCAMM)
<b>MORNING SESSION</b>	<i><b>Chair: Jacob Bedrossian</b></i> (CSCAMM, University of Maryland)
9:30 – 10:10	<b>Kerstin Küpper</b> (RWTH Aachen University) Two-level sampling strategies for hyperbolic systems with relaxation
10:15 - 10:55	<b>Seyma Nur Özcan</b> (North Carolina State University) A new asymptotic preserving scheme for kinetic chemotaxis models
11:00 - 11:30	<i><b>COFFEE BREAK</b></i>
11:30 - 12:10	<b>Cheng Yu</b> (University of Texas-Asutin) Existence of global weak solutions for 3D degenerate compressible Navier-Stokes equations
<b>AFTERNOON SESSION</b>	<i><b>Free Afternoon</b></i>
<b>EVENING ACTIVITIES</b>	
7:00	<i><b>DINNER</b></i>

<b>Thursday, November 12</b>	<b>Young Researchers Workshop: Kinetic theory with applications in physical sciences</b>
9:00 - 9:30	<i><b>BREAKFAST</b></i> (hosted by CSCAMM)
<b>MORNING SESSION</b>	<i><b>Chair:</b></i> Michele Coti Zelati (University of Maryland)
9:30 - 10:10	<b>Tarek Elgindi</b> (Princeton University) Towards non-uniqueness for vortex sheets
10:15 - 10:55	<b>Ian Tobasco</b> (New York University) The Parisi variational problem
11:00 - 11:30	<i><b>COFFEE BREAK</b></i>
11:30 - 12:10	<b>Alejandro López Ortega</b> (Jet Propulsion Laboratory) Anomalous transport in Hall Effect Thrusters: from a kinetic approach to engineering models
12:15 - 2:00	<i><b>LUNCH</b></i> (hosted by CSCAMM)
<b>AFTERNOON SESSION</b>	<i><b>Chair:</b></i> Qin Li (University of Wisconsin-Madison)
2:00 - 2:40	<b>Matt Landreman</b> (University of Maryland) Numerical computation of the distribution function in a stellarator
2:45 - 3:15	<i><b>COFFEE BREAK</b></i>
3:15 - 3:55	<b>Matthias Schlottbom</b> (University of Münster) On Galerkin schemes for time-dependent radiative transfer
4:00 - 4:40	<b>Jose Morales Escalante</b> (University of Texas at Austin) Boundary conditions effects in Discontinuous Galerkin solvers for Boltzmann-Poisson models of electron transport

<b>Friday, November 13</b>	<b>Young Researchers Workshop: Kinetic theory with applications in physical sciences</b>
9:00 - 9:30	<i>BREAKFAST (hosted by CSCAMM)</i>
<b>MORNING SESSION</b>	<b>Chair: Tarek Elgindi</b> (Princeton University)
9:30 - 10:10	<b>Kelly Stephani</b> (University of Illinois Urbana-Champaign) Assessment of continuum breakdown in multi-scale, multi-physics flows from generalized Chapman-Enskog theory
10:15 - 10:55	<b>Chengyun Hua</b> (California Institute of Technology) Advances in thermal phonon transport modeling based on the multidimensional frequency-dependent Boltzmann equation
11:00 - 11:30	<i>COFFEE BREAK</i>
11:30 - 12:10	<b>Pierre-Emmanuel Jabin</b> (CSCAMM, University of Maryland) Weak solutions for compressible Navier-Stokes equations: thermodynamically unstable pressure and anisotropic viscous stress tensor
12:15	<i>CLOSING</i>