

Monday, October 27	
9:00 - 9:25	<b>COFFEE</b>
<b>MORNING SESSION</b>	<b>Chair: Changhui Tan</b> (CSCAMM)
9:25 - 9:30	<b>Eitan Tadmor</b> (CSCAMM) <i>Welcoming Remarks</i>
9:30 - 10:10	<b>Young-Pil Choi</b> (Imperial College London) <a href="#">Global classical solutions for coupled fluid equations</a>
10:15 - 10:55	<b>Juan Calvo</b> (Universitat Pompeu Fabra) <a href="#">Macroscopic limits and asymptotic behavior of some kinetic models in Astrophysics and Biology</a>
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 12:10	<b>Lijiang Wu</b> (Carnegie Mellon University) <a href="#">Nonlocal interaction equations in heterogenous environment with boundary</a>
12:15 - 2:00	<b>LUNCH</b> (hosted by CSCAMM)
<b>AFTERNOON SESSION</b>	<b>Chair: Magali Tournus</b> (Penn State University)
2:00 - 2:40	<b>Ulrik Fjordholm</b> (Norwegian University of Science and Technology) <a href="#">Computing measure-valued solutions of hyperbolic conservation laws</a>
2:45 - 3:15	<b>COFFEE BREAK</b>
3:15 - 3:55	<b>Franziska Weber</b> (University of Oslo) <a href="#">Brinkman regularization of two-phase flows in porous media</a>
4:00 - 4:40	<b>Yoonsang Lee</b> (New York University) <a href="#">Multi-scale methods for data assimilation in turbulent systems</a>

Tuesday, October 28	
9:00 - 9:30	<b>COFFEE</b>
<b>MORNING SESSION</b>	<b>Chair: Qin Li</b> (California Institute of Technology)
9:30 - 10:10	<b>Li Wang</b> (University of California Los Angeles) <a href="#">Asymptotic-Preserving schemes for the semiconductor Boltzmann equation with two-scale collisions</a>
10:15 - 10:55	<b>Zhennan Zhou</b> (Duke University) <a href="#">On the classical limit of a time-dependent self-consistent field system: analysis and computation</a>
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 12:10	<b>Graham Alldredge</b> (RWTH Aachen University) <a href="#">A discontinuous Galerkin implementation of the entropy-based moment closure for linear kinetic equations</a>
12:15 - 2:00	<b>LUNCH</b>
<b>AFTERNOON SESSION</b>	<b>Chair: Jacob Bedrossian</b> (CSCAMM)
2:00 - 2:40	<b>Magali Tournus</b> (Penn State University) <a href="#">How does the flagellum affect bacterial swimming?</a>
2:45 - 3:15	<b>COFFEE BREAK</b>
3:15 - 3:55	<b>Ian Tobasco</b> (New York University) <a href="#">Energy scaling laws for an axially compressed thin elastic cylinder</a>
4:00 - 4:40	<b>Jinyeong Park</b> (Seoul National University) <a href="#">Practical synchronization of Kuramoto system with an intrinsic dynamics</a>

Wednesday, October 29	
9:00 - 9:30	<b>COFFEE</b>
<b>MORNING SESSION</b>	<b>Chair: Jacob Bedrossian</b> (CSCAMM)
09:30 - 10:15	<b>Cheng Yu</b> (University of Texas at Austin) <a href="#">Existence of Global Weak Solutions to the Compressible Navier-Stokes Equations with Density Dependent Viscosity</a>
10:15 - 10:55	<b>Xiaoqian Xu</b> (University of Wisconsin-Madison) <a href="#">Mixing of passive scalars advected by incompressible enstrophy-constrained flows</a>
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 12:10	<b>Kyudong Choi</b> (University of Wisconsin-Madison) <a href="#">On the Finite-Time Blowup of a 1D Model for the 3D Axisymmetric Euler Equations/ the 2D Boussinesq system</a>
<b>AFTERNOON SESSION</b>	<b>Free Afternoon</b>
<b>EVENING ACTIVITIES</b>	
7:00	<b>DINNER</b>

Thursday, October 30	
9:00 - 9:30	<b>COFFEE</b>
<b>MORNING SESSION</b>	<b>Chair: Jacob Bedrossian</b> (CSCAMM)
9:30 - 10:10	<b>Tarek Elgindi</b> (Princeton University) <a href="#">Some Recent Results on Singular Transport Equations</a>
10:15 - 10:55	<b>Jingrun Chen</b> (University of California Santa Barbara) <a href="#">Spin-polarized Transport in Ferromagnetic Materials</a>
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 12:10	<b>Vlad Vicol</b> (Princeton University) <a href="#">Holder continuous solutions of active scalar equations</a>
12:20 - 2:00	<b>LUNCH</b> (hosted by CSCAMM)
<b>AFTERNOON SESSION</b>	<b>Chair: Li Wang</b> (University of California Los Angeles)
2:00 - 2:40	<b>Lee Ricketson</b> (New York University) <a href="#">Multilevel methods for the kinetic equations of plasma dynamics</a>
2:45 - 3:15	<b>COFFEE BREAK</b>
3:15 - 3:55	<b>Bokai Yan</b> (University of California Los Angeles) <a href="#">A Monte Carlo method with negative particles for general binary collisions and application to Coulomb collisions</a>
4:00 - 4:40	<b>Qin Li</b> (California Institute of Technology) <a href="#">Spectral method for half-space kinetic equation</a>

Friday, October 31	
9:00 - 9:30	<b>COFFEE</b>
<b>MORNING SESSION</b>	<b>Chair: Changhui Tan</b> (CSCAMM)
9:30 - 10:10	<b>Gleb Zhelezov</b> (University of Arizona) <a href="#">Coalescing Diffusion in the Keller-Segel Model</a>
10:15 - 10:55	<b>Jinhuan Wang</b> (Duke University) <a href="#">The existence and uniqueness to a degenerate Keller-Segel system</a>
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 12:10	<b>Jia Zhao</b> (University of South Carolina) <a href="#">Mathematical Modelling and Simulations of Cell Mitosis by a phase field approach</a>
12:15	<b>CLOSING</b>