

Monday, September 9	Formation of small scales in nonlinear PDEs
9:00–9:20	BREAKFAST (hosted by CSCAMM)
MORNING SESSION	
9:20–9:30	Pierre-Emmanuel Jabin (University of Maryland) <i>Welcoming Remarks</i>
9:30–10:10	Sylvia Serfaty , (New York University) Mean-Field limits for Coulomb-type dynamics
10:15–10:55	Yao Yao , (Georgia Tech) Radial symmetry of stationary and uniformly-rotating solutions in 2D incompressible fluid equations
11:00–11:30	COFFEE BREAK
11:30–11:55	David Padilla Garza , (New York University) Dimension reduction through Gamma-convergence in thin elastic sheets with thermal strain, with consequences for the design of controllable sheets
12:00–2:00	LUNCH (hosted by CSCAMM)
AFTERNOON SESSION	
2:00–2:40	Toan Nguyen , (Penn State University) Landau damping for screened Vlasov-Poisson on the whole space
2:45–3:10	Franziska Weber , (Carnegie Mellon University) Relaxation to the quasi-static equilibrium in the Rosensweig model for ferrofluids
3:15– 4:15	COFFEE BREAK
4:15–4:55	Siming He , (Duke University) Inviscid damping and enhanced dissipation of the boundary layer for 2D Navier-Stokes linearized around Couette flow in a channel

Tuesday, September 10	Formation of small scales in nonlinear PDEs
9:00–9:30	<i>BREAKFAST</i> (hosted by CSCAMM)
MORNING SESSION	
9:30–10:10	Alex Kiselev , (Duke University) Small scale creation in solutions to modified SQG equations
10:15–10:55	Tarek Elgindi , (University of California, San Diego) Singularity formation in incompressible fluids
11:00–11:30	<i>COFFEE BREAK</i>
11:30–12:10	Theodore Drivas , (Princeton University) The Navier-Stokes-End-Functionalized polymer system
12:15–2:00	<i>LUNCH</i>
AFTERNOON SESSION	
2:00–2:40	Hao Jia , (University of Minnesota) Linear inviscid damping in Gevrey spaces
2:45–3:10	Weinan Wang , (University of Southern California) Persistence of regularity and long-time behavior of solutions for the Boussinesq equations
3:15–4:15	<i>COFFEE BREAK</i>
4:15–4:55	Samuel Punshon-Smith , (Brown University) Scalar turbulence in stochastic fluid dynamics

Wednesday, September 11	Formation of small scales in nonlinear PDEs
9:00–9:30	<i>BREAKFAST</i> (hosted by CSCAMM)
MORNING SESSION	
9:30–10:10	Scott Armstrong , (New York University) Variational methods for hypoelliptic equations
10:15–10:55	Zhenfu Wang , (University of Pennsylvania) Mean field limit and quantitative estimates with a large class of singular kernels
11:00–11:30	<i>COFFEE BREAK</i>
11:30–12:10	Fei Wang , (University of Maryland) The inviscid limit for the Navier-Stokes equations with data analytic only near the boundary
12:15–2:00	<i>LUNCH</i> (hosted by CSCAMM)
AFTERNOON SESSION	
2:00–2:40	Robert Strain , (University of Pennsylvania) Global mild solutions of the Landau and non-cutoff Boltzmann equation
2:45–3:45	<i>COFFEE BREAK</i>
3:45–4:25	Gautam Iyer , (Carnegie Mellon University) Dissipation Enhancement, Mixing, and Blow-up Suppression

Thursday, September 12	Formation of small scales in nonlinear PDEs
9:00–9:30	<i>BREAKFAST (hosted by CSCAMM)</i>
MORNING SESSION	
9:30–10:10	Alex Ionescu , (Princeton University) <i>Axi-symmetrization near point vortex solutions for the 2D Euler equation</i>
10:15–10:55	Margaret Beck , (Boston University) <i>Rigorous Justification of Taylor Dispersion via Center Manifolds and Hypocoercivity</i>
11:00–11:30	<i>COFFEE BREAK</i>
11:30–12:10	Anna Mazzucato , (Penn State University) <i>Vorticity concentration and the vanishing viscosity limit</i>
12:15	<i>CLOSING</i>