

Monday, May 13	
9:00 - 9:25	COFFEE
MORNING SESSION	Chair: Eitan Tadmor
9:25 - 9:30	Eitan Tadmor (CSCAMM) <i>Welcoming Remarks</i>
9:30 - 10:10	Michael I. Weinstein (Columbia University) Linear and Nonlinear Waves in Honeycomb Structures
10:15 - 10:55	Jianfeng Lu (Duke University) Time reversible Born Oppenheimer molecular dynamics
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Hailiang Liu (Iowa State University) On a Model of the Kompaneets Equation and Bose-Einstein Condensation
12:15 - 2:00	LUNCH (hosted by CSCAMM)
AFTERNOON SESSION	Chair: Lorenzo Pareschi (University of Ferrara)
2:00 - 2:40	Weizhu Bao (National University of Singapore) Ground states and dynamics of the nonlinear Schrodinger/Gross-Pitaevskii equations
2:45 - 3:15	COFFEE BREAK
3:15 - 4:00	Yongyong Cai (University of Maryland) Dipolar Gross-Pitaevskii equation in lower dimensions

Tuesday, May 14	
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Michael I. Weinstein (Columbia University)
9:30 - 10:10	Peter Smereka (University of Michigan) The Gaussian Wave Packet Transform: Efficient Computation of the Semi-Classical Limit of the Schroedinger Equation
10:15 - 10:55	Thomas Chen (University of Texas at Austin) Mean field limits for interacting Bose gases and the Cauchy problem for Gross-Pitaevskii hierarchies
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Lorenzo Pareschi (University of Ferrara) Asymptotic preserving schemes for collisional kinetic equations
AFTERNOON SESSION	Free Afternoon
EVENING ACTIVITIES	
7:00	DINNER

Wednesday, May 15	
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Dio Margetis (University of Maryland)
9:30 - 10:10	Christof Sparber (University of Illinois at Chicago) On Wigner and Bohmian measures in semi-classical quantum dynamics
10:15 - 10:55	Lin Lin (Lawrence Berkeley National Laboratory) Kantorovich dual solution for strictly correlated electrons in atoms and molecules
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Xu Yang (University of California, Santa Barbara) Quantum, kinetic and hydrodynamic descriptions on spin transfer torque
12:15 - 2:00	LUNCH (hosted by CSCAMM)
KI-Net/CSCAMM Seminar 2:00 - 3:00	Alexis Vasseur (University of Texas at Austin) Relative entropy applied to the study of stability of shocks for conservation laws, and application to asymptotic analysis
3:00 - 3:30	COFFEE BREAK
AFTERNOON SESSION	Chair: Peter Smereka (University of Michigan)
3:30 - 4:10	Avy Soffer (Rutgers University) Hydrodynamic Theory of Tunneling in Quantum Mechanics and Beyond
4:15 - 5:00	Dionisios Margetis (University of Maryland) Bose-Einstein condensation: Bound states with periodic microstructure

Thursday, May 16	
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Pierre-Emmanuel Jabin (University of Maryland)
9:30 - 10:10	Francois Golse (Ecole Polytechnique) Hamiltonian propagation of monokinetic measures with rough momentum profiles
10:15 - 10:55	Claude Bardos (École Normale Supérieure de Cachan) Hamiltonian propagation of monokinetic measures with rough momentum profiles
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Qin Li (University of Wisconsin-Madison) Wigner transformation approach to surface hopping problem
12:15 - 2:00	LUNCH (hosted by CSCAMM)
AFTERNOON SESSION	Chair: Hailiang Liu (Iowa State University)
2:00 - 2:40	Thierry Paul (Ecole Polytechnique) Recovering the Hamiltonian from spectral data
2:45 - 3:00	CLOSING