

Monday, November 5	
9:00 - 9:25	COFFEE
MORNING SESSION	Chair: Eitan Tadmor (CSCAMM)
9:25 - 9:30	Eitan Tadmor (CSCAMM) Welcoming Remarks
9:30 - 10:10	Pierre-Emmanuel Jabin (University of Maryland) "Continuous models for rating systems and their long time behavior"
10:15 - 10:55	Derek Paley (University of Maryland) "Motion coordination and information transmission in bio-groups: From mating mosquitoes to frightened fish"
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Jose Carrillo (Imperial College London) "Stability of Stationary States for Repulsive-Attractive Potentials"
12:15 - 2:00	LUNCH (hosted by CSCAMM)
AFTERNOON SESSION	Chair: Sébastien Motsch (University of Maryland)
2:00 - 2:40	Ilya Timofeyev (University of Houston) "Derivation of coarse-grained models from microscopic CA models of traffic flows"
2:45 - 3:15	COFFEE BREAK
3:15 - 4:00	Alina Chertock (North Carolina State University) "Macroscopic pedestrian and traffic flow models: derivation and numerics"

Tuesday, November 6	(US Election day)
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Alina Chertock (North Carolina State University)
9:30 - 10:10	Eli Ben-Naim (Los Alamos National Laboratory) "Opinion Dynamics: Rise and Fall of Political Parties"
10:15 - 10:55	Fabio Fagnani (Politecnico di Torino) "Heterogeneity, minorities, and leaders in opinion formation"
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Nicola Bellomo (Politecnico di Torino) "On the dynamics of social conflicts: welfare analysis looking for the Black Swan"
12:15 - 2:00	LUNCH BREAK
AFTERNOON SESSION	FREE AFTERNOON

Wednesday, November 7	
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Pierre Emmanuel Jabin (University of Maryland)
9:25 - 9:30	Jayanth Banavar, Dean CMNS (University of Maryland) <i>Welcoming Remarks</i>
9:30 - 10:10	Eitan Tadmor (CSCAMM) "Consensus and flocking and heterophilous self-alignment in agent-based models"
10:15 - 10:55	Ming Lin (University of North Carolina at Chapel Hill) "Virtual Cityscapes: Challenges, Recent Advances, and Opportunities"
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Irene Gamba (UT Austin) "Some simple kinetic models of information-exchange processes"
12:15 - 2:00	LUNCH (hosted by CSCAMM)
AFTERNOON SESSION	Chair: Benedetto Piccoli (Rutgers-Camden)
2:00 - 2:40	Eshel Ben-Jacob (Tel-Aviv University) "Bacterial swarming logistics and cancer navigation strategies"
2:45 - 3:15	COFFEE BREAK
3:15 - 4:00	Gil Ariel (Bar Ilan University) "Bacteria collective swarming and navigation"
EVENING ACTIVITIES	
7:00	DINNER

Thursday, November 8	
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Jose Carrillo (Universitat Autònoma de Barcelona)
9:30 - 10:10	Benedetto Piccoli (University of Rutgers-Camden) "Sparse control for groups on the move"
10:15 - 10:55	Alethea Barbaro (Case Western Reserve University) "Socially interacting agents: passage from the mesoscopic to the macroscopic scale"
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Sébastien Motsch (University of Maryland) "Kinetic and fluid models for self-organized dynamics"
12:15 - 2:00	LUNCH BREAK
AFTERNOON SESSION	Chair: Nicola Bellomo (Politecnico di Torino)
2:00 - 2:40	Trygve Karper (University of Maryland) "Existence of weak solutions and hydrodynamic limit of kinetic flocking models"
2:45 - 3:15	COFFEE BREAK
3:15 - 4:00	Amic Frouvelle (University Paris-Dauphine) "Different types of phase transition for a simple model of alignment of oriented particles"

Friday, November 9	
9:00 - 9:30	COFFEE
MORNING SESSION	Chair: Fabio Fagnani (Politecnico di Torino)
9:30 - 10:10	Maria Schonbek (University of California Santa Cruz) "Fokker Planck and neuroscience"
10:15 - 10:55	Dave Levermore (University of Maryland) "Coarsening of Particle Systems"
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Dieter Armbruster (Arizona State University) "Agent based simulations for Chip sales to High-End Gamers"
12:15	CLOSING