

Tuesday, March 5	Mathematical Aspects of Collective Dynamics: Kinetic Description and Fractional Diffusion
9:00 – 9:25	BREAKFAST (hosted by CSCAMM)
MORNING SESSION	Chair: Eitan Tadmor (University of Maryland)
9:25 – 9:30	Eitan Tadmor (University of Maryland) <i>Welcoming Remarks</i>
9:30 – 10:10	Trevor Leslie , (University of Wisconsin-Madison) Regularity and long-time behavior for hydrodynamic flocking models
10:15 – 10:55	Roman Shvydkoy , (University of Illinois at Chicago) Alignment in Cucker-Smale dynamics on the circle
11:00 – 11:30	COFFEE BREAK
11:30 – 12:10	Changhui Tan , (University of South Carolina) On Euler Alignment system with weakly singular interactions
12:15 – 2:00	LUNCH (hosted by CSCAMM)
AFTERNOON SESSION	Chair: Roman Shvydkoy , (University of Illinois at Chicago)
2:00 – 2:40	Alexis Vasseur , (University of Texas at Austin) De Giorgi holder regularity theory applied to kinetic-type equations
2:45 – 3:25	Ruiwen Shu , (University of Maryland) Flocking hydrodynamics with external potentials
3:30 – 4:00	COFFEE BREAK
4:00 – 4:40	Jan Peszek , (University of Maryland) Flocking with compactly supported communication

Wednesday, March 6	Mathematical Aspects of Collective Dynamics: Kinetic Description and Fractional Diffusion
9:00 – 9:30	<i>BREAKFAST</i> (hosted by CSCAMM)
MORNING SESSION	<i>Chair:</i> Ruiwen Shu (University of Maryland)
9:30 – 10:10	Alexander Vladimirovsky , (Cornell University) Anisotropic interactions in crowd dynamics
10:15 – 10:55	Javier Morales , (University of Maryland) The synchronization problem for Kuramoto oscillators
11:00 – 11:30	<i>COFFEE BREAK</i>
11:30 – 12:10	Theodore Drivas , (Princeton University) Compressible fluids, entropy hierarchies, and flocking
12:15	<i>CLOSING</i>