Wednesday, January 3					
5:00 PM	8:00 PM	Registration			
			Thursday	y, January 4	
8:00 AM	5:00 PM	Registration (coffee and pastries available 8:00 - 8:45)			
8:30 AM	8:45 AM	Opening Remarks			
8:45 AM	9:20 AM	I	Chris Jones (North Carolina)	Why should dynamicists be interested in data assimilation?	
9:20 AM	9:40AM	С	Laura Munoz (Rochester)	Observability analysis and estimator design for a cardiac cell model	
9:40 AM	10:15 AM	I	Peter Dodds (Vermont)	Simon's fundamental rich-gets-richer model entails a dominant first-mover advantage	
10:15 AM	10:55 AM	Break			
10:55 AM	11:15AM	С	Sarthak Chandra (Maryland)	Generalized Kuramoto model in D dimensions: discontinuous transitions and implications for swarms	
11:15 AM	11:50 AM	I	Mark Hoefer (Colorado at Boulder)	Solitonic dispersive hydrodynamics	
11:50 AM	12:10 PM	С	Jason Pina (Pittsburgh)	Temporally periodic neural responses from spatially periodic stimuli	
12:10 PM	2:00 PM	Lunch			
2:00 PM	2:50 PM	G	Ignite Session A		
2:50 PM	3:25 PM	I	James Hudspeth (Rockefeller)	Making an effort to listen: mechanical amplification by ion channels and myosin molecules in hair cells of the inner ear	
3:25 PM	4:05 PM	Break			
4:05 PM	4:25 PM	С	Aminur Rahman (Texas Tech)	The chaotic ballet of walking droplets	
4:25 PM	5:00 PM	I	Alain Goriely (Oxford)	The mathematics and mechanics of brain morphogenesis	
5:00 PM	5:20 PM	С	Jerome Daquin (RMIT, Australia)	Drift in terrestrial orbits	
7:30 PM	9:30 PM	Poster Session A			

Friday, January 5				
8:00 AM	5:00 PM	Registration (coffee and pastries available 8:00 – 8:45)		
8:45 AM	9:20 AM	I	Panos Kevrekidis (UMass)	Nonlinear waves in granular crystals: mathematical analysis, numerical computations and physical experiments
9:20 AM	9:40 AM	С	Daniel Gurevich (Georgia Tech)	Topological analysis of experimental recordings of ventricular fibrillation
9:40 AM	10:15 AM	I	William Irvine (Chicago)	Spinning top-ology (order, disorder and topology in mechanical gyro-materials and fluids)
10:15 AM	10:55 AM	Break		
10:55 AM	11:15 AM	С	Hermann Riecke (Northwestern)	Synchronization by uncorrelated noise: interacting collective oscillations in networks of oscillator networks
11:15 AM	11:50 AM	I	Steven Haase (Duke)	Host-Pathogen Dynamics During Malaria Infection
11:50 AM	12:10 PM	С	Charles Doering (Michigan)	Optimal bounds and extremal trajectories for time averages in nonlinear dynamical systems

12:10 PM	2:00 PM	Lunch		
2:00 PM	2:50 PM	G	Ignite Session B	
2:50 PM	3:25 PM	I	Nathan Kutz (Washington)	Data-driven discovery of governing equations and physical laws
3:25 PM	4:05 PM	Break		
4:05 PM	4:40 PM	I	Cris Moore (Santa Fe Institute)	Glassy dynamics of inference
4:40 PM	5:00 PM	С	David Simpson (Massey U., New Zealand)	The sausage-string structure of mode-locking regions of piecewise-linear maps
5:00 PM	5:20 PM	С	Douglas Kelley (Rochester)	Using optimal stretching to forecast advection-reaction-diffusion dynamics
7:30 PM	9:00 PM	Poster Session B		

Saturday, January 6					
8:00 AM	5:00 PM		Registration	(coffee and pastries available 8:00 – 8:45)	
8:45 AM	9:20 AM	I	Jean Luc Thiffeault (Wisconsin)	The mathematics of taffy pulling	
9:20 AM	9:40 AM	С	Orit Peleg (Colorado at Boulder)	Collective mechanical adaptation of honeybee swarms	
9:40 AM	10:15 AM	I	Kandice Tanner (NIH)	The role of tissue biophysics in cancer	
10:15 AM	10:55 AM	Break			
10:55 AM	11:15 AM	С	Alice Schwarze (Oxford)	Structural and functional redundancy in biological networks	
11:15 AM	11:50 AM	I	Laura Miller (North Carolina)	Using computational fluid dynamics to understand the neuromechanics of jellyfish swimming	
11:50 AM	12:10 AM	С	David Campbell (Boston University)	Intermittent many-body dynamics at equilibrium	
12:10 AM	2:00 PM		Lunch		
2:00 PM	2:20 PM	С	Jason Bramburger (Brown)	Snaking in dimensions 1+Epsilon	
2:20 PM	2:55 PM	I	Liz Bradley (Colorado at Boulder)	The information dynamics of the paleoclimate	
2:55 PM	3:15 PM	С	Harry Swinney (Texas at Austin)	Crystallization in a far-from-equilibrium system of sheared hard spheres	
3:15 PM	3:45 PM	Break			
3:45 PM	4:20 PM	I	Peko Hosoi (MIT)	Hairy hydrodynamics	
4:20 PM	4:40 PM	С	Thomas Bury (Waterloo)	Characterizing impending transitions in complex systems	
4:40 PM	4:50 PM	Ending Remarks			