Time	Friday, January 3	
8:00 - 8:30	**Registration**	
8:30 - 8:45	**Opening Remarks**	
8:45 - 9:20	**Bard Ermentrout** (University of Pittsburgh)	Spatial resonances as a mechanism for pattern sensitive epilepsy and visual discomfort
9:20 - 9:40	**Evan Davis** (UCLA)	A model of mass shedding dynamics in thin-film particle-laden flows
9:40 - 10:15	**Ian Grooms** (CU Boulder)	To be determined
10:15 - 10:55	**Coffee Break**	
10:55 - 11:15	**Golnar Gharooni Fard** (CU Boulder)	Data-driven Modeling of Honeybee Communication During Aggregation and Food Exchange
11:15 - 11:50	**Brian Hunt** (University of Maryland)	Using Machine Learning to Improve Modeling of Complex Dynamical Systems
11:50 - 12:10	**Joao Lizárraga** (UNICAMP)	Synchronization of Sakaguchi Swarmalators
12:10 - 2:00	**Lunch Break**	
2:00 - 2:40	**Ignite Session A**	
2:40 - 3:15	**Elizabeth Cherry** (Georgia Tech)	Predicting complex spatiotemporal cardiac voltage dynamics using reservoir computing
3:15 - 3:35	**Haotian Hang** (University of Southern California)	Fish schooling at extreme scales
3:35 - 4:05	**Coffee Break**	
4:05 - 4:25	**Emma Zajdela** (Princeton and Santa Fe Institute)	Back in Fashion: Modeling the Cyclical Dynamics of Trends
4:25 - 5:00	**Lai-Sang Young** (New York University)	Neural mechanisms for pursuit eye movements
5:00 - 5:20	**Guram Mikaberidze** (University of Wyoming)	Network optimization for synchronizing systems with physics-informed AI
5:20 - 7:30	**Dinner Break**	
7:30 - 9:30	**Poster Session A**	

Time	Saturday, January 4	
8:00 - 8:45	**Registration**	
8:45 - 9:20	**Moon Duchin** (Cornell University)	To be determined
9:20 - 9:40	**Tim Wilhelm Kroll** (University of Münster)	Sparse identification of evolution equations via bayesian model selection
9:40 - 10:15	**Iain Couzin** (Max Planck Institute for Animal Behavior)	The spatiotemporal dynamics of decision-making
10:15 - 10:55	**Coffee Break**	
10:55 - 11:15	**Sara Clifton** (Denison University)	Bystander effect emerges from individual psychological prospects
11:15 - 11:50	**Per Sebastian Skardal** (Trinity College)	Identifying and suppressing unknown disturbances to dynamical systems using machine learning
11:50 - 12:10	**Jay Fineberg** (The Hebrew University of Jerusalem)	The Fundamental Physics of the Onset of Frictional Motion: How do laboratory earthquakes nucleate?
12:10 - 2:00	**Lunch Break**	
2:00 - 2:40	**Ignite Session B**	
2:40 - 3:15	**Mason Porter** (UCLA)	Bounded-Confidence Models of Opinion Dynamics on Networks
3:15 - 3:35	**Bryan Daniels** (Arizona State University)	Navigating bifurcations in collective decisions
3:35 - 4:05	**Coffee Break**	
4:05 - 4:40	**Melike Sirlanci** (University of Colorado Anschutz)	To be determined
4:40 - 5:15	**Andrea Bertozzi** (UCLA)	To be determined
5:15 - 7:30	**Dinner Break**	
7:30 - 9:30	**Poster Session B**	

Time	Sunday, January 5	
8:00 - 8:45	**Registration**	
8:45 - 9:20	**Dani Bassett** (University of Pennsylvania)	To be determined
9:20 - 9:40	**Chris Curtis** (San Diego State University)	Time Stepping in Dynamic Mode Decomposition via Machine Learning
9:40 - 10:00	**Cody Fitzgerald** (Northwestern University)	Physiological Models of Heterothermy
10:15 - 10:45	**Coffee Break**	
10:45 - 11:05	**Daniel Cooney** (University of Illinois Urbana-Champaign)	Spatial Pattern Formation and the Evolution of Cooperative Behavior
11:05 - 11:40	**John Crimaldi** (CU Boulder)	Scalar transport is rigged: Complex stirring and ecologic destiny
11:40 - 12:00	**Heather Cihak** (University of Minnesota)	Remember to forget: a mechanistic bump-attractor model of optimal forgetting with respect to serial bias
12:00 - 12:50	**Lunch Break**	
12:50 - 2:25	**David Campbell** (Boston University)	Periodic Orbits in Fermi-Pasta-Ulam-Tsingou Systems
2:25 - 2:45	**Johannes Kassel** (Max Planck Institute - Dresden)	Utilizing long memory and circulation patterns for stochastic forecasts of temperature extremes
2:45 - 3:05	**Heather Zinn-Brooks** (Harvey Mudd College)	Learning interaction kernels in asynchronous opinion dynamics on networks
3:05 - 3:35	**Coffee Break**	
3:35 - 4:10	**Björn Sandstede** (Brown University)	Data-driven methods for inference in dynamical systems
4:10 - 4:30	**Tim Sauer** (George Mason University)	Robust methods for coupling detection in nonlinear time series
4:30 - 4:40	**Closing Remarks**	