

KI-Net Conference Schedule - Iowa State University

Time	Thursday, March 23, 2017	Memorial Union Cardinal Room
8:30am	Shuttle #1 leaves Gateway	
8:50am	Shuttle #2 leaves Gateway	
8:45-9:15am	Registration (Memorial Union Cardinal Room) Coffee Service - Muffins	
9:15-9:30	Opening Remarks - Dean Beate Schmittmann	ISU College of Liberal Arts & Sciences
9:30-10:10am	Pierre Degond Coarse-graining of collective dynamics models	Imperial College London
10:10-10:50am	Alethea Barbaro Phase transition in a model for territorial development	Case Western Reserve University
10:50-11:10am	Break	
11:10-11:40am	Hui Yu Boundary interaction of the Vicsek model and its hydrodynamic model	RWTH Aachen
11:40am-12:10pm	Da-Jiang Liu Modeling of fronts and patterns at the atomistic level for surface reactions: CO-oxidation on metal(100) surfaces	DOE Ames Lab
12:10-2:00pm	Lunch (on your own)	
2:00-2:40pm	Eli Ben-Naim Escape and finite-size scaling in reaction-diffusion processes	Los Alamos National Lab
2:40-3:20pm	Seung-Yeal Ha Review on the progress of the classical and quantum synchronization	Seoul National University
3:20-3:50pm	Break/snacks	
3:50-4:30pm	James Evans Non-equilibrium correlations in interacting-particle reaction-diffusion models with inhibited "stirring"	Iowa State University, Physics
4:30-5:00pm	Chanhui Tan Asymptotic preserving schemes on kinetic models with singular limits	Rice University
5:10pm	Shuttle #1 leaves Memorial Union	
5:30pm	Shuttle #2 leaves Memorial Union	
	Dinner (on your own)	

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Time	Friday, March 24, 2017	Memorial Union Gallery Room
8:50am	Shuttle #1 leaves Gateway	
9:10am	Shuttle #2 leaves Gateway	
9:00-9:30am	Coffee Service/Coffeecake	
9:30-10:10am	Michael Herty Model-Predictive Control Strategies for Agent-Based Systems	RWTH Aachen
10:10-10:50am	Ioan Kosztin Simultaneous determination of the free energy profile and the effective dynamics	University of Missouri
10:50-11:10am	Break/Group Photo	Campanile Room
11:10-11:40am	Zhongming Wang A free energy satisfying discontinuous Galerkin method for one-dimensional Poisson--Nernst--Planck	Florida International University
11:40am-12:10pm	James Rossmann Towards Efficient Multiscale Numerical Methods for Kinetic Models in Plasma Physics	Iowa State University, Math
12:10-2:00pm	Lunch (on your own)	
2:00-2:40pm	Alex Travesset Self-assembly and dynamics of nanoparticle superlattices	Iowa State University, Physics
2:40-3:20pm	Bo Li Multi-scale Modeling and Simulation of the Growth of Bacterial Colony with Cell-Cell Mechanical	UCSD
3:20-3:50pm	Break/Snacks	
3:50-4:30pm	Hailing Liu On selection dynamics with nonlocal competition	Iowa State University, Math
4:30-5:00pm	Yongki Lee Blow-up conditions for two dimensional modified Euler-Poisson equations	UC Riverside
5:00-5:30pm	Free Time	
5:30-7:30pm	Banquet	Memorial Union Cardinal Room
7:30pm	Shuttle #1 leaves Memorial Union	
7:50pm	Shuttle #2 leaves Memorial Union	

KI-Net Conference Schedule - Iowa State University

Time	Saturday, March 25, 2017	Memorial Union Gallery Room
8:20am	Shuttle #1 leaves Gateway	
8:40am	Shuttle #2 leaves Gateway	
8:30-9:00am	Coffee Service/Rolls and Scones	
9:00-9:40am	Christian Ringhofer Asymptotically preserving numerical methods for large reaction diffusion systems with applications to solar cell design.	Arizona State
9:40-10:20am	Di (Richard) Liu Analysis and simulation of multiscale stochastic intracellular bio-chemical reacting networks.	Michigan State
10:20-10:40am	Coffee Break	
10:40-11:10am	Gleb Zhelezov Applications of Coalescing Interacting Particles to Chemotaxis Models.	University of Arizona
11:10am-11:40pm	Pedro Constantino Maximum Entropy Closure Scheme for Moment Equations of Stochastic Reaction Networks with Oscillatory	University of Minnesota
11:40am	Conference Ends	
12:00 noon	Shuttle #1 leaves Memorial Union	
12:20pm	Shuttle #2 leaves Memorial Union	