

Monday 11  
June

	Talk type	Speaker	Title
9:00-9:20	Registration		
9:20-9h30	Opening speech		
			Applications of rare-event sampling to study supercooled liquid dynamics and non-equilibrium amorphous solids
9:30-10:30	Lecture	David Chandler	
10:30-11:10	Invited	Leonard Sander	Minimizing extinction risk by migration
11:10-11:40	Coffee break		
			Biased sampling of unbiased dynamical trajectories in complex systems
11:40-12:20	Invited	Peter Bolhuis	
			Heterogeneities in a 2-dimensional driven glassy model: Current fluctuations and finite-size effects
12:20-12:40	Short	Estelle Pitard	
12:40-14:30	Lunch		
			Large deviations of the density and of the current in non-equilibrium steady states
14:30-15:30	Lecture	Bernard Derrida	
15:30-16:10	Invited	Martin Evans	Diffusion with stochastic resetting
16:10-16:40	Coffee break		
			Long-range correlations in driven, non-equilibrium systems
16:40-17:20	Invited	David Mukamel	
		Carlos Perez-Espigares	Dynamical phase transition in a two-dimensional diffusive system
17:20-17:40	Short		

Tuesday 12  
June

	Talk type	Speaker	Title
9:00-10:00	Lecture	Eric Vanden-Eijnden	Transition path theory for the modeling and simulation of reactive events
10:00-10:40	Invited	Tony Lelièvre	Sampling methods in molecular dynamics: Efficient sampling of metastable trajectories
10:40-11:10	Coffee break		
11:10-11:50	Invited	Hugo Touchette	Non-classical large deviations in the AB model
11:50-12:10	Short	Carlo Vanderzande	DMRG-approach to large deviations Large deviations in boundary-driven systems: Numerical evaluation and effective large-scale behavior
12:10-12:30	Short	Guy Bunin	
12:30-14:30	Lunch		
14:30-15:30	Lecture	Krzysztof Gawedzki	Finite time stochastic thermodynamics and optimal mass transport
15:30-16:10	Invited	Sergio Ciliberto	Information and thermodynamics: Experimental verification of Landauer's erasure principle
16:10-16:40	Coffee break		
16:40-17:20	Invited	Gregory Falkovich	How slow instanton is renormalized by fluctuations
17:20-17:40	Short	Max Potters	Sampling microcanonical measures of the 2D Euler and Shallow Water equations with Creutz's algorithm

Wednesday 13  
June

	Talk type	Speaker	Title
9:00-10:00	Lecture	Jorge Kurchan	Dynamics with selection, large deviations and metastability
10:00-10:40	Invited	Wolfhard Janke	Transition trajectory for equilibrium droplet formation
10:40-11:10	Coffee break		
11:10-11:50	Invited	Julien Tailleur	Simulating rare events in dynamical processes
11:50-12:10	Short	Rosemary Harris	Rare current events in non-equilibrium systems with long-range memory
12:10-12:30	Short	Mani Mathur	Bistability and transitions induced by topography in a laboratory model of a geostrophic jet
12:30-14:30	Lunch		
14:30-15:30	Lecture	Christof Schütte	Optimal control of molecular dynamics using Markov state models
15:30-16:10	Invited	Frédéric Van Wijland	Universality of large deviations in diffusive systems
16:10-16:30	Short	Jason Laurie	A large deviation approach to computing rare transitions in multi-stable stochastic turbulent flows
16:10-16:40	Coffee break		
16:40-18:00	Round table		

Thursday 14  
June

	Talk type	Speaker	Title
9:00-10:00	Lecture	Pierre Del Moral	An introduction to particle rare event simulation
10:00-10:40	Invited	Peter Grassberger	The many faces of percolation
10:40-11:10	Coffee break		
11:10-11:50	Invited	Pieter Rein ten Wolde	Non-Stationary FFS: Simulating rare events in non-stationary systems
11:50-12:10	Short	Sarah De Nigris	Emergence of long range order in the XY model on diluted Small World Networks
12:10-12:30	Short	Jasna Brujic	Reconstructing free energy profiles from force spectroscopy experiments
12:30-14:30	Lunch		
14:30-15:10	Invited	Massimo Vergassola	Fluctuations and response in sensory systems
15:10-15:50	Invited	Florian Theil	[TBA]
15:50-16:10	Short	Éric Bertin	Extreme value statistics: a renormalization group approach
16:10-16:40	Coffee break		
16:20-17:00	Invited	Udo Seifert	Stochastic thermodynamics of non-equilibrium steady states
17:00-17:20	Short	Christopher Fullerton	Large deviations and amorphous order in glassy systems
17:20-18:00	Round table		

Note: [Titles in brackets not confirmed]

Friday 15  
June

	Talk type	Speaker	Title
9:00-9:40	Invited	François Pétrélis	Reversals of a large scale field generated over a turbulent background
9:40-10:20	Invited	Oleg Zaboronski	Instantons in aggregation kinetics
10:20-10:40	Short	David Lacoste	Second-law like inequalities for transitions between non-stationary states
10:40-11:10	Coffee break		
11:10-11:50	Invited	Raphaël Chétrite	Level 2.9999... for a continuous-time Markov chain in 19.9999... minutes
11:50-12:10	Short	Mike Evans	A justification and test for the statistical mechanics of trajectories
12:10-12:30	Short	David Quigley	Simulations of homopolymer collapse using forward-flux sampling
12:30-14:30	Lunch		