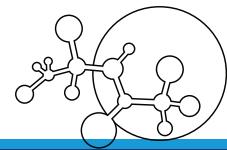


Program Synopsis

Black Forest Focus on Soft Matter 3

Breisach, June 2-5, 2010



Wed, June 2

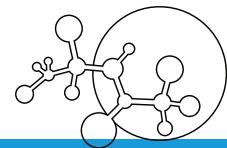
8:00 pm	Arrival Get Together Welcome Dinner	
Thu, June 3	Speaker	Title
8:30 - 9:05 am	Opening	
9:05 - 9:40 am	Igor Sokolov (HU Berlin)	Aging, ergodicity breaking and universal fluctuations in continuous time random walks: Theory and (possible) experimental manifestations
9:40 - 10:15 am	Olivier Bénichou (Univ. Pierre et Marie Curie)	First-passage observables of random walks in confined geometry
10:15 - 10:45 am	Coffee Break	
10:45 - 11:20 am	Shlomo Havlin (Bar-Ilan University)	Catastrophic cascade of failures in interdependent networks
11:20 - 11:55 am	Ralf Metzler (TU Munich)	Continuous time random walks, anomalous diffusion, and single particle trajectories
11:55 - 12:30 pm	Eli Barkai (Bar Ilan University)	Weak ergodicity breaking
12:30 - 2:00 pm	Lunch Break	
2:00 - 2:35 pm	Katja Lindenberg (University of California)	Single quantum dot thermoelectric engines: Thermoelectric efficiency and finite time thermodynamics
2:35 - 3:10 pm	Peter Reineker (Ulm University)	Blinking quantum dots and Förster-like energy transfer
3:10 - 3:45 pm	Elena Agliari (University of Parma)	Coherent dynamical processes on complex structures
3:45 - 4:15 pm	Coffee Break	
4:15 - 4:50 pm	Wolfgang Schleich (Ulm University)	Correlations in Phase Space and the Creation of Focusing Wave Packets
4:50 - 5:25 pm	Tsampikos Kottos (Wesleyan University)	Manipulating the flow of light with Parity-Time symmetries
6:30 pm	Dinner	
8:00 pm	Poster Session	
Fri, June 4	Speaker	Title
8:30 - 9:05 am	Alan Aspuru-Guzik (Harvard University)	Quantum stochastic walks: A generalization of classical random walks and quantum walks
9:05 - 9:40 am	Gregory D. Scholes (University of Toronto)	Quantum biology: Light-harvesting and energy random walks in algae
9:40 - 10:15 am	Gerhard Stock (University of Freiburg)	Biomolecular Energy Flow
10:15 - 10:45 am	Coffee Break	
10:45 - 11:20 am	Yaron Silberberg (Weizmann Institute)	Quantum walks in photonic lattices
11:20 - 11:55 am	Yakir Aharonov (Tel Aviv University)	Quantum random walk and super oscillations
11:55 - 12:30 pm	Norio Konno (Yokohama National Univ.)	Localization of the space-inhomogeneous discrete-time quantum walk on the line
12:30 - 2:00 pm	Lunch Break	

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Fri, June 4	Speaker	Title
2:00 - 2:35 pm	Reinhard Werner (Leibniz Univ. Hannover)	Asymptotik von Quanten- Walks
2:35 - 3:10 pm	Artur Widera (University of Bonn)	Walking in a quantum world- observing a quantum walk with single neutral atoms
3:10 - 3:45 pm	Gregor Tanner (University of Nottingham)	Quantum search algorithms and quantum communication on networks
3:45 pm	Coffee Break	
5:00 - 7:00 pm	Wine Tasting	
8:00 pm	Conference Dinner	
Sat, June 5	Speaker	Title
8:30 - 9:05 am	Xu Xin-Ping (Huazhong Normal Univ.)	Discrete-time and continuous-time quantum walks on simple discrete structures
9:05 - 9:40 am	Frederick Strauch (Williams College)	Imperfect quantum walks in large dimensions
9:40 - 10:15 am	Rudolf Hilfer (University of Stuttgart)	Computation of the generalized Mittag-Leffler functions in the complex plane
10:15 - 10:45 am	Coffee Break	
10:45 - 11:20 am	Michael Thorwart (University of Freiburg)	Quantum coherence in biomolecular exciton systems
11:20 - 11:55 am	Alexander Eisfeld (MPI, Dresden)	Absorption and energy transfer of quantum aggregates: Influence of complex exciton-phonon coupling
11:55 - 12:30 pm	Matthias Weidemüller (Heidelberg University)	Rydberg aggregates – Interactions in an ultracold gas of Rydberg atoms
12:30 - 12:45 pm	Closing	
12:45 pm	Lunch Break	

Departure