

# WORKSHOP

**MONDAY, 2011-04-18, WILLERS-BAU, C 207**

## PROGRAM

15:00      **Opening & Introduction**

Prof. Dr. Stefan Siegmund	TUD, Mathem.	Sensitivity and criticality in dynamical systems
Prof. Dr. Holger Kantz	MPI-PKS	Fluctuations in systems far from equilibrium and their prediction
Prof. Dr. Roland Ketzmerick	TUD, Physics	Hamiltonian chaos in billiards and maps: quantum signatures

15:20      **Short presentations** (senior members, ca. 5 minutes each)

Dr. Eduardo Altmann	MPI-PKS	Dynamical systems and social dynamics
Dr. Arnd Bäcker	TUD, Physics	Classical and quantum chaos in higher dimensional systems
Dr. Sergej Flach	MPI-PKS	Nonlinear waves
Dr. Thilo Gross	MPI-PKS	Dynamics of biological networks
Dr. Frank Großmann	TUD, Physics	Semiclassical initial value representations
Dr. Martina Hentschel	MPI-PKS	Mesoscopics for light and electrons
Prof. Dr. Frank Jülicher	MPI-PKS	Hydrodynamics of active gels
Jun.-Prof. Dr. Kathrin Padberg-Gehle	TUD, Mathem.	Computational methods for analysing macroscopic dynamics
Prof. Dr. Jan Michael Rost	MPI-PKS	Quasi-classical dynamics of finite systems
Prof. Dr. Ronald Tetzlaff	TUD, Electr.E.	Introduction of research group

16:30      **Posters & COFFEE BREAK**

17:30 – 18:15      **Discussion & Brainstorming**