

Monday, November 17th

Duration of talks includes 5 minutes for discussion.

09:00 – 09:45	Registration
09:50 – 10:00	Welcome
10:00 – 10:40	Stable and unstable spiking dynamics in neural circuits M. Timme, Göttingen
10:40 – 11:00	Coffee Break
11:00 – 11:40	Noise-induced bursting in electrically coupled ensembles of neural oscillators G. S. Medvedev, Philadelphia
11:40 – 12:05	Time-delayed feedback in delay-coupled neurosystems E. Schöll, Berlin
12:05 – 14:00	Lunch Break
14:00 – 14:40	Tremor entrainment by patterned low-frequency stimulation O. Popovych, Jülich
14:40 – 15:05	Impact of inhibitory coupling in a system of phase coupled oscillators A.-K. Becher, Cologne
15:05 – 15:30	Controlling noise-induced behavior of an excitable neural network S. Patidar, Leicestershire
15:30 – 16:00	Coffee Break
16:00 – 16:40	Stability criteria for splay states in a network of globally coupled “generalized neurons” A. Torcini, Florence
16:40 – 17:05	Characterizing dynamics with covariant Lyapunov vectors F. Ginelli, Paris
17:05 – 17:30	Stability and bifurcations in a model of antigenic variation in malaria K. Blyuss, Bristol
18:00 – 20:00	Posters, Drinks, and Snacks (Room 406)

Tuesday, November 18th

Duration of talks includes 5 minutes for discussion.

09:00 – 09:40	Collective synchronization in cold atoms A. Politi, Florence
09:40 – 10:20	Asymptotic behaviour of blinking (stochastically switched) dynamical systems M. Hasler, Lausanne
10:20 – 10:40	Coffee Break
10:40 – 11:20	Collective dynamics of networks with time delays F. M. Atay, Leipzig
11:20 – 11:45	Chaos synchronization with time-delayed couplings W. Kinzel, Würzburg
11:45 – 12:10	Stability of interconnected large scale systems S. Dashkovskiy, Bremen
12:10 – 14:00	Lunch Break
14:00 – 14:40	Partial synchrony in oscillator ensembles with global nonlinear coupling M. Rosenblum, Potsdam
14:40 – 15:05	Enhancing synchronization in systems of non-identical Kuramoto oscillators M. Brede, Canberra
15:05 – 15:30	Emergence of synchronized chaotic behavior in a network of non-chaotic units F. Bauer, Leipzig
15:30 – 16:00	Coffee Break
16:00 – 16:40	Symmetrical synchronization of clocks T. Kapitaniak, Lodz
16:40 – 17:05	Saddle-node bifurcation of invariant curves in case of phase synchronization of quasiperiodic motions V. Anishchenko, Saratov
17:05 – 17:30	Impact of multisite coordinated reset stimulation on oscillator network B. Lysyansky, Jülich
ab 18:30	Dinner

Wednesday, November 19th

Duration of talks includes 5 minutes for discussion.

09:00 – 09:40	Cluster dynamics of coupled phase oscillators P. Ashwin, Exeter
09:40 – 10:20	Hyperbolic strange attractors in coupled and delayed systems A. Pikovsky, Potsdam
10:20 – 10:40	Coffee Break
10:40 – 11:20	Electro-optic delay dynamics for fiber optics communications L. Larger, Besançon
11:20 – 11:45	Bubbling in delay coupled lasers V. Flunkert, Berlin
11:45 – 12:10	Delayed optical feedback control at a subcritical Hopf bifurcation in a semiconductor laser S. Schikora, Berlin
12:10 – 14:00	Lunch Break
14:00 – 14:40	Coupling design for a long-term anticipating synchronization of chaos K. Pyragas, Vilnius
14:40 – 15:05	Control of chaotic dynamical systems by time-delayed autosynchronization with a variable time-delay V. Urumov, Skopje
15:05 – 15:30	Feedback dependent stochastic synchronization of neural dynamics P. Hövel, Berlin
15:30 – 16:00	Coffee Break
16:00 – 16:25	Synchronization transition in a small world network of phase oscillators R. Tönjes, Berlin
16:25 – 16:50	Chimera states induced by spatially-modulated delayed feedback O. Omel’chenko, Berlin
16:50 – 17:00	Closing