

Program of the workshop

“Synchronization and high-dimensional chaos in coupled systems”

Monday, November 15 th , 2004		Tuesday, November 16 th , 2004	
9:00	Registration	9:00	E. Mosekilde (Technical University of Denmark) “Synchronization of Oscillators in a Resource Distribution Chain”
9:45	Opening		
10:00	A. Politi (National Institute of Applied Optics, Florence) “Synchronization in spatially extended systems and connections with percolation depinning transitions”	9:45	M. Rosenblum, A. Pikovsky (Potsdam University) “Delay control of synchronization”
10:45	Coffee break	10:30	Coffee break
11:00	J. Kurths (Potsdam University) “Complex synchronization in non-coherent and bursting oscillators”	11:00	Yu. Maistrenko (Academy of Sciences of Ukraine, Kiev / Research Center Jülich) “High-dimensional chaos in the Kuramoto model”
11:45	F. Ginelli (University Würzburg) “Synchronization transition in extended systems”	11:45	A. Stefanski (Technical University of Lodz, Poland) “Complete synchronization as a tool for estimation of the largest Lyapunov exponent”
12:30	Lunch break	12:30	Lunch break
13:30	G. Giacomelli (National Institute of Applied Optics, Florence) “Synchronization in vertical cavity lasers”	13:30	O. Popovych / P. Tass (Research Center Jülich) “Effective desynchronization by Nonlinear Delayed Feedback”
14:15	S. Yanchuk (WIAS) „Intermittent synchronization in a system of coupled lasers”	14:15	K. Schneider (WIAS) „Forcing of invariant tori by modulated waves”
15:00	Coffee break	14:40	M. Radziunas (WIAS) „Forced locking in multimode lasers“
15:30	T. Kapitaniak (Technical University of Lodz, Poland) “Hyperchaos”	15:05	Coffee break
16:15	N. Janson (Loughborough University, UK) “Saddle torus and mutual synchronization of periodic oscillators”	15:30	Round-table discussion and posters
16:40	A. Hutt (Humboldt University) “Transient mutual phase synchronization in coupled chaotic networks”		