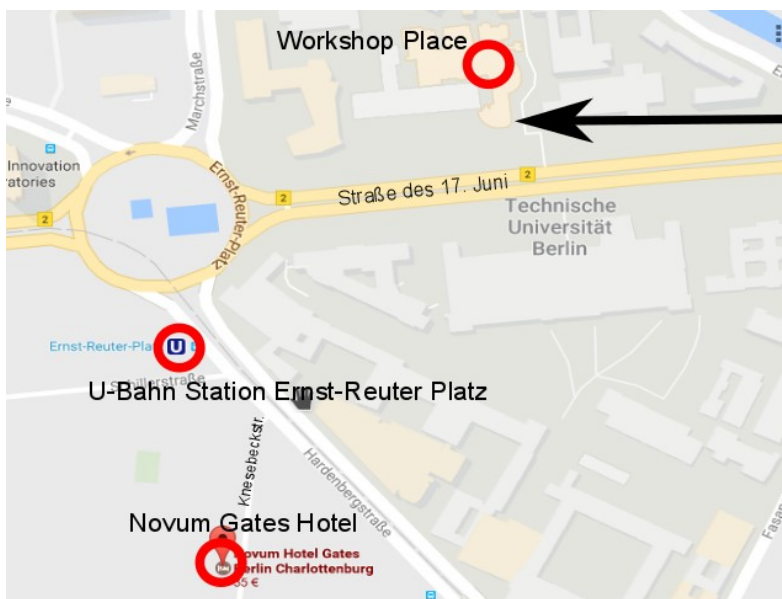


Workshop Focus on Nonlinearity: Bifurcations, Rhythms, Chaos

Dedicated to the 60-th birthday of Dr Michael Zaks

17-18 February 2017, Room MA415, TU Berlin, Straße des 17. Juni 136, 10623 Berlin

FRIDAY	SATURDAY
9:00 – 9:40 A. Nepomnyaschy (Haifa), <i>Longwave oscillatory patterns</i> 9:45 – 10:25 F. Feudel (Potsdam), <i>On bifurcations of convection driven dynamos</i> 10:30 – 11:00 coffee break 11:00 – 11:40 L. Schimansky-Geyer (Berlin), <i>Self-Organized escape processes of linear chains in nonlinear potentials</i> 11:45 – 12:25 I. Sokolov (Berlin) <i>Anomalous transport in periodic laminar flows</i> 12:30 – 14:00 lunch break 14:00 – 14:40 H. Meyer-Ortmanns (Bremen), <i>Winnerless competition on a spatial grid</i> 14:45 – 15:25 A. Straube (Berlin), <i>Dynamic mode locking in driven colloids</i> 15:30 – 16:00 coffee break 16:00 – 16:40 N. Brilliantov (Leicester), <i>Aggregation and fragmentation kinetics in granular gases in space: Application to Saturn rings</i> 16:45 – 17:25 D. Goldobin (Perm), <i>Integrable dynamics of interfacial waves in a two-layer liquid system subject to horizontal vibrations</i> 17:30 – 17:50 laudatio ~ 18:30 dinner starting	9:30 – 10:10 U. Feudel (Oldenburg), <i>Self-induced switchings between multiple space-time patterns on complex networks of excitable units</i> 10:15 – 10:55 I. Wertgeim (Perm), <i>Wavelets as a tool of analysis of nonlinear patterns: checking harmony in chaos by algebra</i> 11:00 – 11:30 coffee break 11:30 – 12:10 O. Sosnovtseva (Copenhagen), <i>Nonlinear interactions in renal vascular network</i> 12:15 – 12:55 E. Volkov (Moscow), <i>Unusual collective chaos in coupled identical ring oscillators as a scientific challenge for Misha Zaks</i>



-- enter the MA-Building
(Straße des 17. Juni 136, 10623 Berlin)

-- take the elevator to the 4-th floor

-- follow the signs to the room MA415

Organizers: A. Pikovsky (Potsdam), M. Rosenblum (Potsdam), S. Yanchuk (Berlin)