

Dynamical Systems and Geometric Mechanics - An International Conference in Honor of Jürgen Scheurle

Time	Monday, 12th of June 2017	Tuesday, 13th of June 2017	Wednesday, 14th of June 2017
9:30-10:00	Welcome & Announcements	Bernold Fiedler: Good to be late, precisely	
10:00-10:30	Florin Diacu: Central Configurations in the Curved N-Body Problem	Gianne Derks: Existence and Stability of Fronts in Inhomogeneous Wave Equations	Edgar Knobloch: Spatial Localization and Hamiltonian Dynamics
10:30-11:00	Coffee Break	Coffee Break	Coffee Break
11:00-11:30	P. S. Krishnaprasad: Optimality, Geometry and Cycles	Genevieve Raugel: The Focussing Subcritical Klein-Gordon Equation with Damping	Juan-Pablo Ortega: Time-delay reservoir computers: stability of functional differential systems and optimal nonlinear information processing capacity. Applications to stochastic nonlinear time series forecasting
11:30-12:00	Christoph Glocker: Forces and the Two Axioms of Mechanics	Carlos Rocha: Morse-Smale Evolution Processes	Peter Imkeller: Integration: A Fourier Analytic Approach
12:30-13:00	Lunch Break	Lunch Break	Coffee & Snacks
13:00-13:30			
13:30-14:00	Claude Baesens: Simplest Bifurcation Diagrams for Monotone Families of Vector Fields on a Torus	Tony Bloch: Geometry of Quantum Control Systems	Travel to Garching
14:00-14:30	Gerard Iooss: Bifurcations of Quasipatterns in Benard-Rayleigh Convection	Christian Kühn: Multiscale Dynamics near Instability	
14:30-15:00	David Chillingworth: Tumbling, Log-rolling and Kayaking: A Geometric Approach to Shear Flow Dynamics for a Liquid Crystal	Lev Lerman: Nonautonomous Dynamics: Systems Amenable for Classification	
15:00-15:30	Coffee Break	Coffee Break	
15:30-16:00	Francois Gay-Balmaz: A Lagrangian Variational Formulation of Nonequilibrium Thermodynamics	Manuel Santoprete: Motion in a Symmetric Potential on the Hyperbolic Plane	
16:00-16:30	Tom Mestdag: Aspects of Reduction and Un-Reduction of Lagrangian Systems	Claudia Wulff: Exponential Estimates of Symplectic Slow Manifolds	
16:30-17:00	Coffee Break	Coffee Break	
17:00-17:30	Melvin Leok: Interpolation on Symmetric Spaces and Variational Discretizations of General Relativity	Alexander Mielke: On self-induced oscillations for friction reduction with applications to walking	