

March 12 (Wed)

- 10:00-10:45 Mike Jeffrey (University of Bristol, UK)
New horizons in piecewise-smooth dynamics
- 10:55-11:15 Wen-Guei Hu (National Chiao Tung University, Taiwan)
Pattern generation problems arising in multiplicative integer systems
- 11:20-12:05 Toshiyuki Ogawa (Grad. School Advanced Math. Sciences, Meiji U)
Instability of periodic traveling wave solutions to excitable RD systems
- 14:00-14:45 Thomas Wanner (George Mason University, USA)
Stochastic Dynamics of Droplet Formation
- 14:55-15:15 Kaiichiro Ota (Dept. Appl. Analysis & Complex Dyn. Sys., Kyoto U)
Analyzing rhythmic data using dynamical systems theory and Bayesian statistics
- 15:35-15:55 Takaaki Aoki (Faculty of Education, Kagawa U)
Organization of complex networks as a dynamical system
- 16:00-16:45 Tomas Gedeon (Montana State University, USA)
State space reconstruction and causal inference
- 18:00- Workshop dinner

March 13 (Thr)

- 10:00-10:45 Thomas Wanner (George Mason University, USA)
Multistability in the Diblock Copolymer Model
- 10:55-11:40 Pawel Pilarczyk (University of Minho, Portugal)
Automatic classification of global dynamics in flows with parameters
- 14:00-14:45 Konstantin Mischaikow (Rutgers University, USA / RIMS)
A combinatorial approach to dynamics applied to switching networks
- 14:55-15:15 Hidetoshi Morita (Dept. Math., Kyoto U)
Application of a topological-computation method to meteorological data
- 15:35-15:55 Hiroe Oka (Dept. Applied Math. & Informatics, Ryukoku U)
Detecting Morse decompositions of the global attractor of regulatory networks by time series data
- 16:00-16:20 Shaun Harker (Rutgers University, USA)
Space-efficient Algorithms for Computational Dynamics a la Conley-Morse Database

March 14 (Fri)

- 10:00-10:45 Frederic Chazal (INRIA, France)
Persistence stability for geometric complexes
- 10:55-11:15 Kelly Spendlove (Rutgers University, USA)
Persistent Topological Analysis of Human Red Blood Cells and Flickering
- 11:25-12:10 Yasuaki Hiraoka (Inst. Math. for Industry, Kyushu U)
Persistence of Common Topological Structures by a Commutative Triple Ladder Quiver
- 12:20-13:05 Frederic Chazal (INRIA, France)
Statistical properties of persistence diagrams in Topological Data Analysis