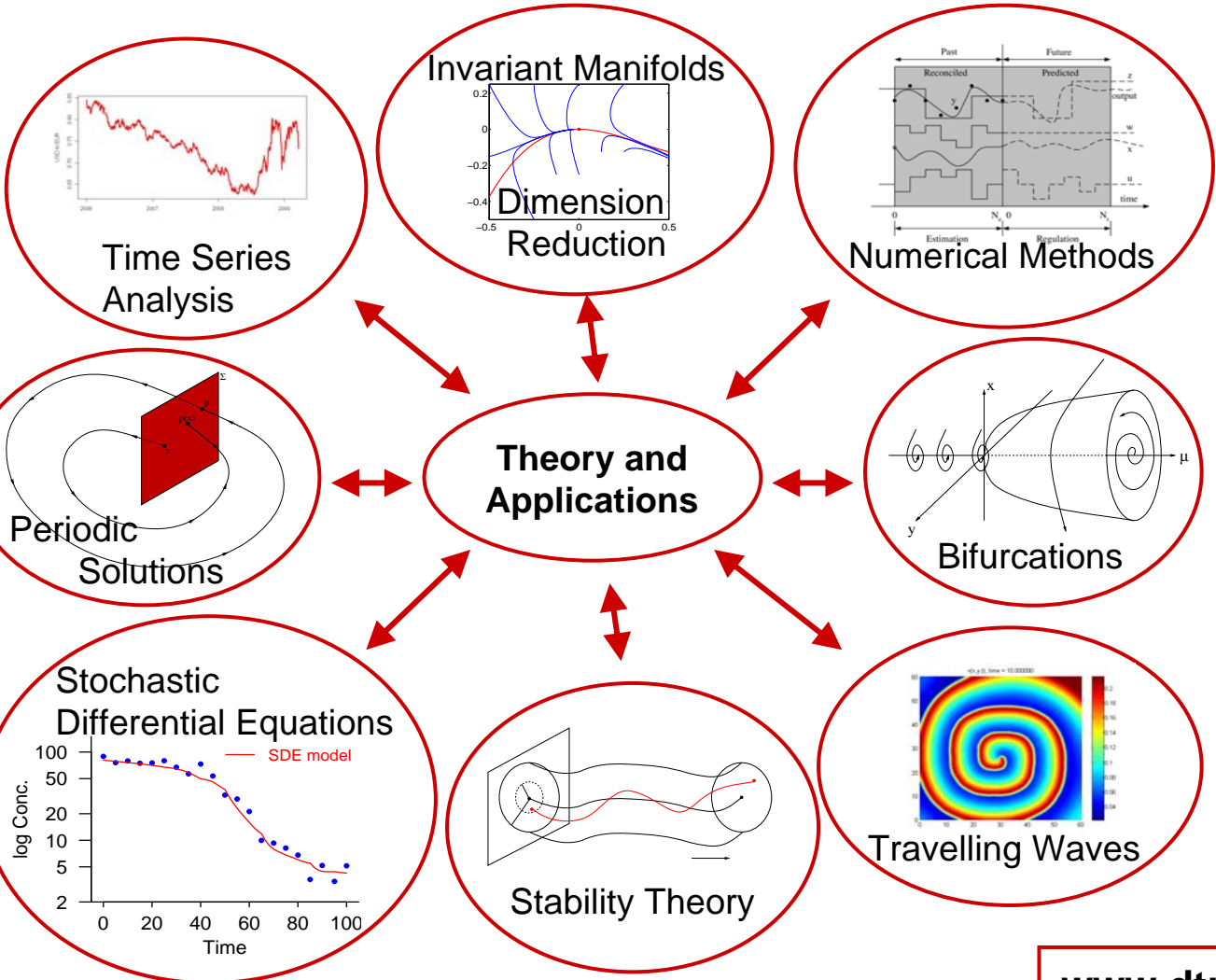


One week
Summer school
at bachelor level
9 – 15 August 2009

Mathematical Modelling, Nonlinear Dynamics, Stochastic and Complex Systems



Technical University of Denmark
Kgs. Lyngby (North of Copenhagen), Denmark



This summerschool will give a unique introduction to differential equation modelling linked to data. This includes deterministic dynamical systems theory as well as stochastic systems. The taught mathematical techniques allow to analyse complex systems of various fields in science and engineering. The theoretical topics will through out the course be accompanied with hands on exercises using real life examples ranging from mechanics over medicine to economy.

Lecturers:
Lasse E. Christiansen (organizer)
Poul Hjorth
John Bagterp Jørgensen
Henrik Madsen
Kirsten R. Philipsen (organizer)
Jens Starke (main organizer)
Mads Peter Sørensen

Deadline for application:
1st of June 2009.

The course and accommodation is free of charge.

The summerschool is sponsored by the MMC master's Elite education in Industrial Mathematics.

www.dtu.dk/mmcmaster/summerschool