

2009-08-09

Program for GMMC-day

Thursday Aug. 20, 10-19, Poseidon, Industriparken

10:00 - 10:15: **Coffee**

Session 1

chairman: Uno Nävert

10:15 - 10:30: Joachim Almqvist "System Identification from Spatiotemporal Cell Population Data"

10:30 - 10:35: Discussion

10:35 - 10:40: Break

10:40 - 10:55: Milena Anguelova "Combinatorial complexity and model reduction from invariant manifolds"

10:55 - 11:00: Discussion

11:00 - 11:05: Break

11:05 - 11:20: Martin Arvidsson "Identification of dispersion effects in replicated split-plot designs"

11:20 - 11:25: Discussion

11.25 - 11:30: Break

11:30 - 11:45: Larisa Beilina "A globally convergent numerical method and the adaptivity technique for a hyperbolic coefficient inverse problem"

11:45 - 11:50: Discussion

11.50 - 11:55: Break

11.55 - 12:10: Christoffer Cromvik "Stochastic mathematical programs with equilibrium constraints, with applications to optimization in IMRT"

12:10 - 12:15: Discussion

12:15 - 13:00: **Lunch in Industriparken**

Session 2 a

Chairman: Bernt Wennberg

13.00 - 13:15: Ottmar Cronie "TBA"

13:15 - 13:20: Discussion

13.20 - 13:25: Break

13:25 - 13:40: Fredrik Edelvik "EEG-based localization of the epileptic focus"

13:40 - 13:45: Discussion

13.45 - 13:50: Break

13.50 - 14:05: Thomas Galtier "Estimation of crossing intensity for Non-Gaussian Process"

14:05 - 14:10: Discussion

14:10 - 14:15: Break

14:15 - 14:30: Jonas Hagmar "Continuous-Discrete Identification"

14:30 - 14:35: Discussion

14:35 - 14:40: Break

14:40 - 14:55: Stefan Jakobsson "Approximation of antenna data based on rational radial basis function interpolation"

14:55 - 15:00: Discussion

Session 2 b

Chairman: Michael Patriksson

13.00 - 13:15: Alexandra Jauhiainen "Data analysis issues in connection with metabolic profiling"

13:15 - 13:20: Discussion

13.20 - 13:25: Break

13:25 - 13:40: Mats Jirstrand "Nonlinear Mixed Effects Modeling using Stochastic Differential Equations"

13:40 - 13:45: Discussion

13.45 - 13:50: Break

13:50 - 14:05: Jenny Jonasson "Estimating diffusion coefficients from FRAP and NMRd measurements"

14:05 - 14:10: Discussion

14:10 - 14:15: Break

14:15 - 14:30: Karin Kraft "Adaptive finite element methods for optimal control of heavy vehicles"

14:30 - 14:35: Discussion

14:35 - 14:40: Break

14:40 - 14:55: Stig Larsson "Multiscale modelling of paper"

14:55 - 15:00: Discussion

15:00 - 15:20: **Coffee**

Session 3

Chairman: Jacques de Maré

15:20 - 15:35: Carl Lindberg "Optimal trading in volatility"

15:35 - 15:40: Discussion

15:40 - 15:45: Break

15:45 - 16:00: Sara Lorén "Monte Carlo versus second moment evaluation of reliability, fatigue life example"

16:00 - 16:05: Discussion

16:05 - 16:10: Break

16:10 - 16:25: Olle Nerman "Fundamental statistical problems with large population samples"

16:25 - 16:30: Discussion

16:30 - 16:35: Break

16:35 - 16:50: Thomas Svensson "A statistical view on possible errors in physical models - evaluation of a round robin exercise on fatigue life prediction."

16:50 - 16:55: Discussion

16:55 - 17:10: Adam Wojciechowski "Optimization of maintenance operations"

17:10 - 17:15: Discussion

17:15 - 17:20: Holger Rootzén: "The future of GMMC - introduction to discussions during the mixer"

17:00 - 19:00: **Mixer: drinks and tapas**