China-Norway-Sweden Workshop on Computational Mathematics
Lund, June 5–7, 2006

Sunday June 4

13.00 excursion to Romeleåsen for Chinese guests

Monday June 5

08.30	Registration
08.50	Opening
09.00–09.40	Zhong-Ci Shi Some aspects of finite element approximation for Reissner-Mindlin plate model
09.40–10.20	Knut-Andreas Lie Multiscale mixed finite-element methods for simulation of flow in highly heterogeneous porous media
	coffee
10.40–11.20	Jialin Hong Multi-symplectic Runge-Kutta methods for Dirac equations
11.20–12.00	Björn Engquist Singularities on structured grids — five surprises
	lunch
13.00–13.40	Ivar Aavatsmark Control volume discretization of elliptic operators on general grids
13.40–14.20	Xuejun Xu On a nonoverlapping Schwarz domain decomposition method
14.20–15.00	Pingbing Ming Cauchy-Bron rule and the stability of crystalline solids
	coffee
15.20–16.00	Johan Hoffman Adaptive finite element methods for turbulent flow
16.00–16.40	Xiaoping Wang Numerical simulations of moving contact line on the patterned surfaces
	dinner

Tuesday June 6 (National Day of Sweden)

09.00–09.40	Xue-Cheng Tai Image inpainting using a TV-Stokes equation
09.40–10.20	Chuanmiao Chen Superconvergence of time-space discontinuous finite elements for first order hyperbolic systems
	coffee
10.40–11.20	Anders Szepessy Approximation of optimally controlled partial differential equations using Hamilton-Jacobi equations in infinite dimension
11.20–12.00	Brynjulf Owren Properties of exponential integrators for nonlinear wave equations
	lunch
15.00	excursion to Hovdala Castle
18.00	dinner at Hovdala Castle

Wednesday June 7

09.00–09.40	Jinping Zeng The convergence of domain decompostion method for obstacle problem
09.40–10.20	Per Lötstedt Hybrid solution of the chemical master equation
	coffee
10.40–11.20	Ragnar Winther Finite element exterior calculus and applications
11.20–12.00	Jungong Xue Computation of decay rates for priority MAP/PH/1 queues
	lunch
13.00–13.40	Klas Modin/Claus Führer Time-step adaptivity in variational integrators
13.40–14.20	Gustaf Söderlind To be announced
14.20–15.00	Danping Yang Parallel domain decomposition algorithms for time-dependent PDEs
	coffee
15.20–16.00	Stig Larsson Discretization of an integro-differential equation modeling dynamic fractional order viscoelasticity
16.00–16.40	Chuanju Xu Some new numerical methods for the MBE and Cahn-Hilliard equations
	dinner

Website

`http://www.math.chalmers.se/~stig/China-Sweden/chinasweden.html`

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