7th workshop on numerical analysis Dresden-Prague 2014

May 16th and 17th in Moritzburg

Organisation:

Prof. Hans-Görg Roos
Martin Schopf

TU Dresden, Fachrichtung Mathematik, Institut für Numerische Mathematik

Friday, May 16, 2014		
Start at 13:00		
13.00	Miloslav Feistauer	Discontinuous Galerkin method for dynamic elasticity and fluid-structure interaction
13.30	Miloslav Vlasak	Connections among discontinuous Galerkin, collocation and Runge-Kutta methods
14.00	Monika Balazsova	Unconditional stability of the space-time discontinuous Galerkin method for nonstationary, nonlinear convection-diffusion problems
14.30	Sebastian Franz	Time-dependent singularly perturbed problems and discontinuous Galerkin
Tea and coffee break 15:00 - 15:30		
15.30	Gunar Matthies	A two-level local projection stabilisation on uniformly refined triangular meshes
16.00	Petr Lukas	Optimization of parameters in SDFEM method for different spaces of parameter tau
16.30	Andreas Fischer	Optimization of Hyper-Parameters for Least Squares Support Vector Regression
17.00	Johannes Israel	Beamforming with discrete antenna weights

Saturday, May 17, 2014

Breakfast 7:30 - 9:00

09.00	Vaclav Kucera	Numerical solution of a new hydrodynamic model of flocking
09.30	Natalia Kopteva	Maximum-norm error estimation for singularly perturbed reaction-diffusion problems
10.00	Jan Papez	Spatial distribution of errors in numerical solution of PDE model problems

Tea and coffee break 10:30 - 11:00

11.00	Lars Ludwig	Convergence and supercloseness of a finite element method for a singularly perturbed convection-diffusion problem on the L-shaped domain
11.30	Jan Lamac	Convection-diffusion problems on convection-oriented meshes
12.00	Martin Schopf	Macro-interpolation on tensor product meshes

Lunch 12:30

Assuming nice weather we may offer to take a walk through the beautiful landscape around Moritzburg.