

Day 1. August 26, 2014

Chair U. Langer

- 10⁰⁰ – 11⁰⁰ Registration.
- 11⁰⁰ – 11¹⁰ S. Repin, Opening.
- 11¹⁰ – 12⁰⁰ S. Sauter, *Convergence Analysis for Finite Element Discretizations of Highly Indefinite Helmholtz Problems*.
- 12⁰⁰ – 12²⁰ Coffee break.
- 12²⁰ – 12⁵⁰ M. Weymuth, *Fully discrete al basis for elliptic problems with general L^1 -coefficient*.
- 12⁵⁰ – 13²⁰ S. Matculevich, *A posteriori error bounds of the distance to the exact solution of the evolutionary reaction-diffusion problem on complicated domains with mixed boundary conditions*.
- 13³⁰ – 15⁰⁰ Lunch.

Chair S. Repin

- 15⁰⁰ – 15⁵⁰ S. Bartels, *Quasi-optimal error estimates for rate-independent evolution problems*.
- 15⁵⁰ – 16²⁰ M.C. Naya-Riveiro, *Mathematical analysis of a quasistatic coupled thermo-elastic problem*.
- 16²⁰ – 16⁴⁰ Coffee break.
- 16⁴⁰ – 17³⁰ S. Bauer, *The Maxwell equations in the limit of small velocities*.
- 18⁰⁰ – 21⁰⁰ Welcome reception.

Day 2. August 27, 2014

Chair S. Sauter

- 11⁰⁰ – 11⁵⁰ U. Langer, *Multipatch Discontinuous Galerkin Isogeometric Analysis*.
- 11⁵⁰ – 12²⁰ Coffee break.
- 12²⁰ – 12⁵⁰ O. Mali, *Functional a posteriori error estimates for optimal control problems with elliptic constrains*.
- 12⁵⁰ – 13²⁰ J. Lankeit, *Chemotaxis can prevent thresholds on population density*.
- 13³⁰ – 15⁰⁰ Lunch.

Chair B. Khoromskij

- 15⁰⁰ – 15⁵⁰ V. Khoromskya, *Tensor numerical methods in electronic structure calculations*.
- 15⁵⁰ – 16²⁰ A. Mikhailov, *TBA*.
- 16²⁰ – 16⁴⁰ Coffee break.
- 16⁴⁰ – 17³⁰ M. Schomburg, *The Maxwell compactness property with mixed boundary conditions*.
- 18⁰⁰ – 20⁰⁰ Boat excursion.

Day 3. August 28, 2014

Chair S. Bartels

- 11⁰⁰ – 11⁵⁰ B. Khoromskij, *Introduction to tensor numerical methods for multidimensional PDEs*.
- 11⁵⁰ – 12²⁰ Coffee break.
- 12²⁰ – 12⁵⁰ I. Anjam, *Functional a posteriori error equalities for conforming mixed approximations of elliptic problems*.
- 12⁵⁰ – 13²⁰ M. Nokka, *Guaranteed and computable estimates of errors by Uzawa method for Oseen problem*.
- 13³⁰ – 15⁰⁰ Lunch.

Chair D. Pauly

- 15⁰⁰ – 15³⁰ T. Saks, *Flowing of continuous solid material using the unified continuum model*.
- 15³⁰ – 16⁰⁰ S. Sysala, *Two parametric description of the loading path in Hencky's perfect plasticity*.
- 16⁰⁰ – 16²⁰ Coffee break.
- 16²⁰ – 17¹⁰ D. Pauly, *A posteriori error estimates for first order systems*.

Day 4. August 29, 2014

Chair

- 11⁰⁰ – 12³⁰ Special seminar / Round table discussions.
- 12³⁰ – 12⁴⁰ Closing, concluding words.
- 13⁰⁰ – 14³⁰ Lunch.