

Progress Report Meeting: December 12, 2005, 14:00 - 18:00, Room: HF 9901

Chair: H. Engl

14:00 - 14:45 R. Hoppe (University of Houston and University of Augsburg): "Convergence Analysis and Error Reduction Properties of Adaptive Finite Element Methods for Distributed and Boundary Control Problems with Control Constraints"
(abstract, pdf)

Chair: U. Langer

14:50 - 15:10 M. Kaltenbacher: "Numerical simulation of coupled fields"

15:10 - 15:30 S. Repin: "A posteriori estimates and adaptivity in solid mechanics"

15:30 - 15:50 S. Margenov: "Robust parallel algebraic multigrid and multilevel techniques"

15:50 - 16:10 Coffee break

16:10 - 16:30 B. Kaltenbacher: "Inverse problems and model identification in mechanics"

16:30 - 16:50 E. Sachs: "Control and optimization problems in mechanics"

16:50 - 17:00 Coffee break

Chair: J. Kraus

17:00 - 17:15 J. Schöberl: "hp-techniques in mechanics" and "Non-standard mixed FE-techniques"

17:15 - 17:25 S. Tomar: "Discontinuous Galerkin methods"

17:25 - 17:35 D. Pusch: "H-matrix techniques"

17:35 - 17:45 S. Beuchler: "Domain Decomposition Methods"

17:45 - 18:00 U. Langer: Conclusions and closing