

Winter School

**Identification, Optimization and Control
With Applications in Modern Technologies**

**Schloss Thurnau
March 4-6, 2009**



Elite Network
of Bavaria



Program

Wednesday, March 4

08:55	Opening G. Leugering
09:00-10:30	Model Predictive Control I L. Grüne
10:30-11:00	Coffee break
11:00-12:30	Model Predictive Control II L. Grüne
12:30-13:30	Lunch
13:30-14:30	Optimal switching boundary control for semilinear hyperbolic PDEs F. Hante
14:30-15:30	Solving nonlinear systems of equations and inequalities with expensive functions A. Thekale
15:30-16:00	Coffee break
16:00-17:00	Improvements and extensions of the Hierarchical Hybrid Grids framework T. Gradl
18:00	Dinner

Thursday, March 5

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| 08:30-10:00 | Optimization in Industrial Engineering
K. Schittkowski |
| 10:00-10:30 | Coffee Break |
| 10:30-12:00 | Numerics of PDE: Beyond conformal finite elements
P. Knabner |
| 12:00-13:30 | Lunch |
| 13:30-14:30 | Recursive and Hierarchical Identification in Reactive Transport and Fluid Flow Models
M. Blume |
| 14:30-15:30 | Well-posedness Theory and Optimal Boundary Controllability in Context of Equations of Nonlinear Acoustics
S. Veljović |
| 15:30-16:00 | Coffee Break |
| 18:00 | Dinner |

Friday, March 6

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| 08:30-10:00 | Networked control problems for small satellite formations
K. Schilling |
| 10:00-10:30 | Coffee Break |
| 10:30-11:10 | On a prototype of an ODE-PDE-constraint optimal control problem
S. Wendl |
| 11:10-12:00 | Discussion |
| 12:00-13:00 | Lunch |