

AGENDA – Wednesday, 21.11.2012

Ab 10:30

Welcome and Registration

11:00 - 11:10

Introduction B. Vexler/K. Kunisch

11:10 - 11:25

Konstantin Pieper „*Discretization methods for an optimal control problem with sparse solutions*“

11:35 - 11:50

Philip Trautmann „*Controlling the wave equation with measures*“

12:00 - 13:30

Lunch

13:30 – 13:45

Matthias Lang-Batschnig „*Stability of Semigroups*“

13:55 - 14:10

Elena Gornostaeva „*Optimal Control of the Richards equation with hysteresis*“

14:20 - 14:35

Max Winkler „*Neumann Boundary Control on Polyhedral Domains*“

14:45 - 15:00

Marco Artina „*On the minimization of non-convex, non-smooth functional*“

15:10 - 15:30

Coffee Break

15:30 - 15:45

Martin Holler „*A TGV based image reconstruction model*“

15:55 - 16:10

Tang Quoc Bao „*Simplified model of asymmetric stem-cell division: Well-posedness and Lyapunov functional*“

16:20 - 16:30

Break

16:30 - 17:30

Fredi Tröltzsch „*On an optimal control problem for magnetic field*“

17:30 - 17:40

Break

17:40 - 18:30

Roundtable of PIs/ Roundtable of doctoral candidates

18:30

Dinner

AGENDA – Thursday, 22.11.2012

- 09:00 - 09:15 Moritz Keuthen „*Semismooth Newton methods for a shape optimization problem with elliptic state equation and pointwise shape constraints*“
- 09:25 - 09:40 Bernhard Kiniger „*Shape Optimization: Regularity Results and Approximation*“
- 09:50 - 10:05 Daniel Kraft „*Foundations of a Level-Set Approach to Shape Optimization*“
- 10:15 - 10:45 Coffee Break**
- 10:45 - 11:00 Eva-Maria Müller „*Solvability of radiativ transver equation in slab geometry via variational formulations*“
- 11:10 - 11:25 Olena Burkovska „*Reduced basis techniques for parameter dependent obstacle problems*“
- 11:35 - 11:50 Linus Wunderlich „*Reduced Basis Methods for Obstacle Problems*“
- 12:00 - 13:30 Lunch**
- 13:30 - 13:45 Jelena Patarcic „*A curse-of-dimensionality-free numerical method for solution of certain HJB PDEs*“
- 13:55 - 14:10 Felix Henneke „*Control of a Schrödinger Equation*“
- 14:20 - 14:35 David Sattlegger „*Quantum Control*“
- 14:45 - 15:30 Coffee Break**
- 15:30 - 16:30 Roundtable of PIs