

Schedule for the third annual RTG 2088 Workshop in 2018, Hotel Sonnenblick, Bebra

current status: September 12, 2018

Monday, September 24

- ▶ Bus departure NAM 9:20 a.m.
 IMS ca. 9:40 a.m.
- ▶ Lunch: 12:15
- ▶ Opening Remarks: 13:15 Thorsten Hohage
- ▶ Block 1. Chair: Thorsten Hohage

Time	Speaker	Title
13:30-14:05	Julian Eckhardt	Iterative methods and numerics on a shape-manifold and applications to inverse obstacle scattering
14:05-14:40	Benjamin Sprung	Convergence rates for statistical inverse problems using variational methods
14:40-15:15	Philip Miller	Optimal Besov convergence rates for wavelet ℓ^1 regularization

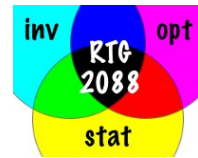
- ▶ Coffee Break
- ▶ Block 2. Chair: Gerlind Plonka-Hoch

Time	Speaker	Title
15:45-16:20	Ingeborg Keller	Reconstruction of Stationary and Non-stationary Signals by the Generalized Prony Method
16:20-16:55	Kilian Stampfer	The generalized operator-based Prony method
16.55-17.30	Jakob Geppert	Intertwining Prox Operators and Tight Frames

- ▶ Break
- ▶ Block 3. Chair: Russell Luke

Time	Speaker	Title
17:45-18:20	Neal Hermer	Iterated Random Nonexpansive Functions
18:20-18:45	Anna-Lena Martins	A Cyclic Relaxed Douglas-Rachford Method

- ▶ Dinner: 19:00
- ▶ General Assembly: 20:00



Tuesday, September 25

- ▶ Breakfast: 07:30
- ▶ Block 1. Chair: Gerlind Plonka-Hoch

Time	Speaker	Title
08:30-09:05	Sina Bittens	Real Sparse Fast DCT for Vectors with Short Support
09:05-09:40	Markus Petz	Analysis of Nonlinear and Non-Stationary Signals
09:40-10:15	Renato Budinich	Multiscale Haar Trees for Sparse Image Representation

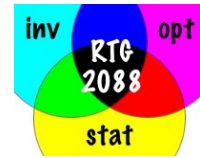
- ▶ Coffee Break
- ▶ Block 2. Chair: Dominic Schuhmacher

Time	Speaker	Title
10:45-11:20	Laura Fee Schneider	Threshold Selection in Univariate Extreme Value Analysis
11:20-11:55	Robin Richter	Interpretation and Convergence of an Experimental Cartoon Extraction Algorithm
11:55-12:30	Johannes Wieditz	Analysing Minutiae Distributions for Fingerprint Recognition

- ▶ Lunch: 12:45
- ▶ Block 3. Chair: Daniel Rudolf

Time	Speaker	Title
14:00-14:35	Stefan Anell	On the distribution of the min cut of random neighbourhood graphs
14:35-15:10	Viacheslav Natarovskii	Wasserstein contraction and spectral gap of simple slice sampling
15:10-15:45	Markus Pohlmann	Bump Detection in Linear Gaussian Regression.

- ▶ Excursion 16:00-19:00
- ▶ Dinner: 19:00



Wednesday, September 26

- ▶ Breakfast: 07:30
- ▶ Block 1. Chair: Russell Luke / Thorsten Hohage

Time	Speaker	Title
8:15-8:50	Yusufu Simayi	Optimal convergence rates for iteratively regularized Gauss-Newton method of inverse problems with stochastic noise
8:50-9:25	Jörn Schrieber	Proving NP-Hardness of a Clustering Problem via Reduction from 3-Satisfiability
9:25-10:00	Marco Botte	Convergence of the Balance Point Algorithm in Treespace

- ▶ Coffee Break
- ▶ Block 2: Chair: Max Wardetzky

Time	Speaker	Title
10.30-11:05	Carla Taming	Limit distributions for the Wasserstein distance on countable metric spaces vortragen
11:05-11:40	Marcel Klatt	Limit Distributions for Regularized Wasserstein Distances on Finite Spaces
11:40-12:15	Miguel del Alamo	Multiscale total variation regularization
12:15-12:50	Gytis Kulaitis	A Statistical Model of Microscope Resolution

- ▶ Lunch: 13:00
- ▶ Bus departure: 13:45