

**PROGRAMME**  
**19th - 20th March, 2015**

Thursday, 19th March

- 09.00 - 09.15 Opening
- 09.15 - 09.45 **Constructions and Interpretations of Dual Certificates for Unique Solutions in Compressed Sensing**, *Christian Kruschel*
- 09.45 - 10.15 **Phase-Transition Behaviour in X-ray CT Matches that of Gaussian Sensing Matrices**, *Jakob S. Jørgensen*
- 10.15 - 11.00 Coffee break
- 11.00 - 11.30 **Optimal Dual Certificate for Noise Robustness Bounds**, *Marc Nicodème*
- 11.30 - 12.15 **Belief Propagation and Approximations for Discrete Tomography**,  
*Eric W. Tramel*
- 12.15 - 13.30 Lunch
- 13.30 - 14.15 **Large-scale Tomographic Reconstruction from Limited Projection Data: Some Advances and Some Great Challenges**, *Joost K. Batenburg*
- 14.15 - 14.45 **Convergent Message Passing for Structured Linear Programs**,  
*Paul Swoboda*
- 14.45 - 15.30 Coffee break
- 15.30 - 16.00 **Characterization and Reduction of Artifacts in Limited Angle X-Ray Tomography**, *Jürgen Friel*
- 16.00 - 16.30 **Computational Aspects of Sparse Recovery**, *Andreas Tillmann*
- 19.00 - 24:00 Dinner at Backmulde <http://www.gasthaus-backmulde-hotel.de/>

Friday, 20th March

- 09.30 - 10.00 **Bimodal Sparse Image Priors**, *Martin Kleinsteuber*
- 10.00 - 10.20 **Recovering Overcomplete Sparse Representations from Structured Sensing**, *Deanna Needell* - video talk
- 10.20 - 11.00 Coffee break with solar eclipse (*start 09:29:19 / max. 10:37:26 / end 11:49:02*)
- 11.00 - 11.20 **Adaptive Constraining Strategy for Projection-Based Iterations**,  
*Ioana Pomparău*
- 11.20 - 12.05 **Strict Fejér Monotonicity by Superiorization of Feasibility-Seeking Projection Methods**, *Yair Censor*
- 12.05 - 13.30 Lunch
- 13.30 - 14.00 **The Extended Kaczmarz Iteration - Recent Developments**,  
*Constantin Popa*
- 14.00 - 14.45 **Signals with Jump Discontinuities - Partitioning and Reconstruction**,  
*Andreas Weinmann*
- 14.45 - 15.30 Coffee break, Final discussion