

DMV 2015 - Minisymposium 18.
Mathematical Methods for Magnetic Particle Imaging

Location: Main building of the University Hamburg, *Edmund-Siemers-Allee 1* (ESA1), **Lecture Hall K**

Tuesday 22/08/2015

- 10:30-11:00 **T. Knopp**, Introduction to the Principles of Magnetic Particle Imaging
- 11:00-11:30 **C. Brandt**, Sparse image reconstruction for Magnetic Particle Imaging
- 11:30-12:00 **M. Storath**, Joint Image Reconstruction and Segmentation in Magnetic Particle Imaging
- 12:00-12:30 **S. De Marchi**, Trivariate polynomial approximation on Lissajous curves
- 12:30-14:00 Lunch
- 14:00-14:30 **D. Lorenz**, Computational Regularization of Inverse Problems
- 14:30-15:00 **J. Friel**, Reconstructions in Magnetic Particle Imaging using curved field free lines
- 20:00 Dinner at the restaurant „Terzetto“

Wednesday 23/08/2015

- 14:00-14:30 **M. Ahlborg**, Image Reconstruction in Magnetic Particle Imaging within the Scope of Imaging Sequences
- 14:30-15:00 **J. Weizenecker**, Dynamisches Verhalten der magnetischen Teilchen in MPI