Modern Methods of Time-Frequency Analysis II
Organized by: Hans Georg Feichtinger and Karlheinz Gröchenig
September 10 - December 15, 2012

Workshop on Phase Retrieval
Organized by: Karlheinz Gröchenig and Thomas Strohmer
October 8 - 12, 2012

- **Monday, October 8, 2012**
  10:00 Welcome and Registration
  10:30 - 11:40 Stephano Marchesini
  Coherent Diffractive imaging
  11:40 - 12:00 coffee break
  12:00 - 12:45 Thomas Strohmer
  PhaseLift: Exact Phase Retrieval via Convex Optimization
  12:45 - 14:45 lunch break
  14:45 - 15:30 Philippe Jaming
  Phase retrieval for the fractional Fourier transform
  15:30 - 16:15 Radu Balan
  Analysis of Iterative Regularized Least-Square Algorithm for Phaseless Reconstruction

- **Tuesday, October 9, 2012**
  10:00 - 10:25 Dustin G. Mixon
  Phase retrieval with polarization
  10:25 - 10:50 Afonso Bandeira
  The angular synchronization problem
  10:50 - 11:15 Matt Fickus
  Group-theoretic constructions of erasure-robust frames
  11:15 - 11:45 coffee break
  11:45 - 12:30 Irene Waldspurger
  Phase recovery with PhaseCut and the wavelet transform case
  12:30 - 14:30 lunch break
  14:30 - 15:15 Albert C. Fannjiang
  Phase retrieval with random masks
  15:15 - 16:00 Martin Ehler
  Signal reconstruction from the magnitude of subspace components

- **Wednesday, October 10, 2012**
  10:00 - 11:00 Bernhard Bodmann
  Phase retrieval from the roots
  11:00 coffee break
  11:30 - 12:15 Yang Wang
  A frame construction for fast phase retrieval
  12:15 - 14:30 lunch break
  14:30 - 15:15 Gregory Beylkin
  On a numerical formulation of phase retrieval problem

- **Thursday, October 11, 2012**
  10:00 open discussion

- **Friday, October 12, 2012**
  10:00 open discussion

All lectures as well as the registration take place in the ESI Boltzmann Lecture Hall

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