

Workshop on “Time-Frequency Analysis”

organized by

Hans Georg Feichtinger and Karlheinz Groechenig**January 13 - 17, 2014****• Monday, January 13, 2014**09:00 **Opening & Registration**09:30 – 10:20 **Philippe Jaming***A dynamical system approach to Heisenberg Uniqueness Pairs*10:20 – 11:00 *coffee break*11:00 – 11:50 **Qiyu Sun***The abc-problems for Gabor system*12:00 – 14:00 *lunch break*14:00 – 14:50 **Joachim Stöckler***Gabor frames of totally positive functions and splines*15:00 – 15:50 **Massimo Fornasier***Consistency of probability measure quantization by means of power repulsion-attraction potentials***• Tuesday, January 14, 2014**09:30 – 10:20 **Stephan Dahlke***Shearlet coorbit spaces: General setting, group theoretical background, trace, and embeddings*10:20 – 11:00 *coffee break*11:00 – 11:50 **Philipp Grohs***Ridgelet discretization of linear transport equations*12:00 – 14:00 *lunch break*14:00 – 14:50 **Hartmut Führ***Wavelet coorbit theory in higher dimensions*15:00 – 15:50 **Margit Pap***Fundamental analytic wavelet system for the disc algebra of the unit disc*16:00 – 16:30 *break*16:30 – 17:20 **Filippo De Mari***Coorbit spaces with voice in a Fréchet space*

- **Wednesday, January 15, 2014**

09:30 – 10:20 **Elena Cordero**

Time-frequency analysis of Schrödinger equations with bounded potential

10:20 – 11:00 *coffee break*

11:00 – 11:50 **Ville Turunen**

Born-Jordan transform

12:00 – 14:00 *lunch break*

14:00 – 14:50 **José Luis Romero**

Deformation of Gabor systems

15:00 – 15:50 **Basarab Matei**

Sets of stable sampling: Constructions and counter-examples

- **Thursday, January 16, 2014**

09:30 – 10:20 **Isaac Pesenson**

Space-frequency localized frames on Riemannian manifolds

10:20 – 11:00 *coffee break*

11:00 – 11:50 **Wolfram Bauer**

Heat flow and Berezin-Toeplitz calculus

12:00 – 14:00 *lunch break*

14:00 – 14:50 **Yurii Lyubarskii**

On bandlimited Lipschitz functions

15:00 – 15:50 **Joaquim Ortega Cerdà**

Sampling polynomials in \mathbb{R}^n

- **Friday, January 17, 2014**

09:30 – 10:20 **Helmut Harbrecht**

Adaptive wavelet boundary element methods

10:20 – 11:00 *coffee break*

11:00 – 11:50 **Gerard Kerkyacharian**

Regularity of gaussian processes in a geometrical framework

12:00 – 14:00 *lunch break*

14:00 – 14:50 **Ondrej Hutník**

Wavelets, analytical function spaces and Toeplitz operators

All lectures take place in the ESI Boltzmann Lecture Hall