

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

Operator algebras and time-frequency methods
Workshop organized by:
Franz Luef
November 19 - 21, 2012

• **Monday, November 19, 2012**

10:00 Welcome and Registration

10:15 - 11:15 Michael Leinert

Inverse closed subalgebras of noncommutative tori

11:15 - 11:45 coffee break

11:45 - 12:40 Andreas Klotz

Norm-Controlled Inversion in Smooth Subalgebras of Operator Algebras

12:40 - 14:30 lunch break

14:30 - 15:00 Franz Luef

Operator algebras in Gabor analysis

15:00 - 16:00 Giovanni Landi

Topological aspects of generalized Harper operators

16:00 - 16:30 break

16:30 - 17:30 Alan Carey

Spectral Triples

• **Tuesday, November 20, 2012**

10:00 - 11:00 Harald Grosse

On deformed noncommutative Tori

11:00 - 11:30 coffee break

11:30 - 12:30 Vern Paulsen

The Kadison-Singer Problem: An Overview

12:30 - 14:30 lunch break

14:30 - 15:30 Judith Packer

Non commutative solenoids and their projective modules

15:30 - 16:00 break

16:00 - 16:30 Benjamin Purkis

Constructing a Projective Multiresolution Analysis

16:30 - 17:30 Trond Digernes

Some aspects of physics over local fields and finite approximations

18:00 - 20:00 Social Event

- **Wednesday, November 21, 2012**

10:00 - 11:00 Iain Raeburn

Equilibrium states on operator-algebraic dynamical systems

11:00 - 11:30 coffee break

11:30 - 12:30 Mijail Guillemard

Groupoid Crossed Products and AF-Algebras in Time-Frequency Analysis

12:30 - 14:30 lunch break

14:30 - 15:30 Paolo Gibilisco

Means, covariance, Fisher information: the quantum theory and the uncertainty relations

15:30 - 16:00 break

16:00 - 17:00 Michael Frank

Frames in Hilbert C^ -modules and stabilization theorems*

- **Thursday, November 22, 2012**

11:00 - 12:00 Hans-Georg Feichtinger

Practical aspects of Gabor analysis

All lectures take place in the ESI Boltzmann Lecture Hall