

Harmonic Analysis, Operator Algebras and Representations
CIRM October 22-26

Program

Monday October 22

- 09:00-9:10 Introduction
- 09:10-9:50 **Michael Cowling**
Title: Hardy's theorem without complex analysis.
- 09:55-10:35 **Lyudmila Turowska**
Title: Sets of multiplicity and closable multipliers on group algebras.
- 10:35-11:05 Coffee Break
- 11:05-11:45 **Gero Fendler**
Title: Aspects of the finite Fourier transform of prime order, Uncertainty and Eigenvectors of small support
- 11:50-12:30 **Rachid Elharti**
Title: The profinite completion of Group- C^* -algebras
- 12:30-15:00 Lunch
- 15:00-15:40 **Matthias Neufang**
Title: Quantum group amenability, injectivity, and a question of Bédos-Tuset
- 15:45-16:25 **Volker Runde**
Title: Beurling–Figà-Talamanca–Herz algebras
- 16:25-16:55 Coffee Break
- 16:55-17:35 **Ebrahim Samei**
Title: Amenability properties for the centres of certain discrete group algebras.
- 17:40-18:20 **Yemon Choi**
Title: Can quotients of the Fourier algebra be operator algebras?
- 18:25-19:05 **Tony Dooley**
Title: Orbital Convolutions and the Kirillov formula

Tuesday October 23

- 9:00-09:40 **Narutaka Ozawa**
Title: Survey on the classification of von Neumann factors of type II_1
- 9:45-10:25 **Marek Bozejko**
Title: Positive definite functions and Riesz products on Coxeter groups with applications
- 10:25-10:55 Coffee Break
- 10:55-11:35 **Michael Leinert**
Title: Some characterisations of compact groups
- 11:40-12:20 **Mahmoud Filali**
Title: Extreme non-Arens regularity
- 12:20-15:00 Lunch
- 15:00-15:40 **Toshiyuki Kobayashi**
Title: Finite Multiplicity Theorems and Real Spherical Varieties
- 15:45-16:25 **Martin Argerami**
Title: C^* -envelopes of singly generated operator systems
- 16:25-16:55 Coffee Break
- 16:55-17:35 **Junko Inoue**
Title: The Fourier transform of the C^* -algebra of a solvable Lie group : An example
- 17:40-18:20 **Takkaki Nomura**
Title: Homogeneous convex cones and the basic relative invariants associated to representations of Euclidean Jordan algebras
- 18:25-19:05 **Hun Hee Lee**
Title: Beurling–Fourier algebras of compact quantum groups: characters and finite dimensional representations

Harmonic Analysis, Operator Algebras and Representations
Program

Wednesday October 24

- 9:00-09:40 **Alain Valette**
Title: Easy examples of non-amenable groups without free subgroups, after N. Monod
- 9:45-10:25 **Christian Le Merdy**
Title: Gamma-bounded representations of amenable groups
- 10:25-10:55 Coffee Break
- 10:55-11:35 **Armando R. Villena**
Title: Spectral isometries
- 11:40-12:20 **Ami Viselter**
Title: Locally compact quantum groups and amenability
- 12:20-15:00 Lunch
- 15:00-15:40 **Viktor Losert**
Title : Multipliers and completely bounded multipliers of the Fourier algebra. The case $SL(2, \mathbb{C})$
- 15:45-16:25 **Cho-Ho Chu**
Title: Harmonic functions on hypergroups
- 16:25-16:55 Coffee Break
- 16:55-17:35 **Nico Spronk**
Title: p -Operator spaces and harmonic analysis
- 17:40-18:20 **Keith F. Taylor**
Title: Harmonic Analysis on [AR]-Groups
- 18:25-19:05 **Vladimir Molchanov**
Title: Berezin quantization as a part of the representation theory

Thursday October 25

- 9:00-09:40 **Roger Smith**
Title: Spatial isomorphism of certain close von Neumann algebras
- 9:45-10:25 **Rob Archbold**
Title: Norms of inner derivations for multiplier algebras of group C^* -algebras
- 10:25-10:55 Coffee Break
- 10:55-11:35 **Chi-Keung Ng**
Title: A Murray-von Neumann type classification of C^* -algebras
- 11:40-12:20 **Okayasu Rui**
Title : Free group C^* -algebras associated with ℓ_p .
- 12:20-15:00 Lunch
- 15:00-15:40 **Jacques Faraut**
Title: Invariant differential operators on the Heisenberg group and Meixner-Pollaczek polynomials
- 15:45-16:25 **Yong Zhang**
Title: Approximate diagonals for function and semi-group algebras
- 16:25-16:55 Coffee Break
- 16:55-17:35 **Yulia Kuznetsova**
Title A duality of locally compact groups that does not involve the Haar measure
- 17:40-18:20 **Ivan Todorov**
Title: A formula involving annihilators

Harmonic Analysis, Operator
Algebras and Representations
Program

Friday October 26

- 9:00-09:40 **Michel Duflo**
Title : Frobenius Lie subalgebras of simple Lie algebras
- 9:45 -10:25 **Tim De Laat**
Title: Simple Lie groups without the Approximation Property
- 10:25-10:55 Coffee Break
- 10:55-11:35 **Matthew Mazowita**
Title: A weighted compactification of a locally compact group
- 11:40-12:20 **Antoine Derighetti**
Title: Approximation of convolution operators by discrete measures
- 12:20-12:30 Closing
- 12:30 Lunch