

Workshop on
“Operator related Function Theory”

April 8 to 12, 2019

organized by

Alexandru Aleman (Lund U), Karlheinz Gröchenig (U Vienna), Kristian Seip (NTNU,
Trondheim)

• **Monday, April 8, 2019**

09:00 – 09:30 *Registration*

09:30 – 10:20 **Nikolai Nikolskii**
On the sign distribution of Hilbert space frames

10:20 – 11:00 *Coffee / Tea Break*

11:00 – 11:45 **Shahaf Nitzan**
Uncertainty Principles for Fourier Multipliers

11:50 – 12:35 **Jan-Fredrik Olsen**
Balian-Low type theorems for finite sequences

12:35 – 14:30 *Lunch break*

14:30 – 15:15 **Antti Haimi**
Strict density inequalities for sampling and interpolation in weighted spaces of holomorphic functions

15:30 – 16:15 **William T. Ross**
Range spaces of Toeplitz operators

16:15 – 17:00 **Dragan Vukotic**
Co-isometric and invertible weighted composition operators on general spaces of analytic functions

• **Tuesday, April 9, 2019**

09:30 – 10:15 **Hervé Queffélec**
Compactification, and beyond, of composition operators by weights

10:20 – 11:05 **Artur Nicolau**
The Corona Theorem in Nevanlinna quotient algebras and interpolating sequences.

11:05 – 11:35 *Coffee / Tea Break*

11:35 – 12:20 **Alexander Borichev**
Szegő minimum problem

12:20 – 14:15 *Lunch break*

14:15 – 15:00 **Catalin Badea**
Kazhdan sets: between geometric group theory, harmonic analysis and operator theory

15:00 – 15:20 *Coffee / Tea Break*

15:20 – 16:05 **Anton Baranov**
Differentiation invariant subspaces in the space of infinitely differentiable functions

16:10 – 16:55 **Philippe Jaming**
Mean convergence of prolate spheroidal wave function expansions

• **Wednesday, April 10, 2019**

09:30 – 10:15 **Eero Saksman**
Decompositions of log-correlated fields with applications

10:20 – 11:05 **Adam J. Harper**
High moments of random multiplicative functions

11:05 – 11:35 *Coffee / Tea Break*

11:35 – 12:20 **Winston Heap**
The maximum of the Riemann zeta function on the 1 - line

12:25 – 13:10 **Ole Fredrik Brevig**
Weissler's inequality for Dirichlet series

• **Thursday, April 11, 2019**

09:30 – 10:15 **Michael Hartz**
Smirnov class and common range of adjoint multipliers in the Drury-Arveson space

10:20 – 11:05 **Stefan Richter**
Free outer functions in complete Pick spaces

11:05 – 11:35 *Coffee / Tea Break*

11:35 – 12:20 **Marcus Carlsson**
Nehari's theorem for convex domain Hankel operators in several variables

12:20 – 14:15 *Lunch break*

14:15 – 15:00 **Hakan Hedenmalm**
Planar orthogonal polynomials and related determinantal processes: random normal matrices and arithmetic jellium

15:05 – 15:50 **Alexei Poltoratskii**
Inverse spectral problems for canonical Hamiltonian systems

16:00 – 16:45 **Joaquim Ortega-Cerdà**
A sequence of polynomials with optimal condition number

• **Friday, April 12, 2019**

09:30 – 10:15 **Yuri Belov**
Ordered structure for Cauchy-de Branges spaces

10:20 – 11:05 **Yacin Ameur**
A scale of boundary conditions for the Coulomb gas

11:05 – 11:35 *Coffee / Tea Break*

11:35 – 12:20 **Gerald Teschl**
Riemann–Hilbert problems for the Korteweg–de Vries equation

All talks take place at ESI, Boltzmann Lecture Hall!