

**11th WORKSHOP: NON-COMMUTATIVE HARMONIC ANALYSIS
WITH APPLICATIONS TO PROBABILITY,
17 - 23.08.2008, Będlewo, Poland**

Sunday, August 17

18:00 **Dinner**

Monday, August 18

08:00–09:00 **Breakfast**

09:00–09:50 **Michael Anshelevich (Texas A&M)**
Belinschi – Nica transformations and free convolution semigroups.

10:00–10:50 **Wojtek Młotkowski (Wrocław)**
Fuss – Catalan numbers in noncommutative probability.

10:50–11:20 **Coffee break**

11:20–11:50 **Maxime Février (Toulouse)**
The Free Multiplicative Convolution Semigroup Of the Free Poisson Distribution.

11:55–12:25 **Reiji Tomatsu (Tokyo & K.U.Leuven)**
On Poisson boundaries of discrete quantum groups.

12:30–13:00 **Hiromichi Ohno (Kyushu)**
Free energy density for mean field perturbation of states of a one-dimensional spin chain.

13:00–14:00 **Lunch**

16:00–16:45 **Coffee and cakes**

19:00–20:00 **Dinner**

20:00–21:00 **Baby Talk – Narutaka Ozawa**
Why Herz-Schur multipliers are important?

Tuesday, August 19

08:00–09:00 **Breakfast**

09:00–09:50 **Jonathan Novak (Kingston)**
Random contractions and a deformation of the increasing subsequence problem.

10:00–10:50 **Franciszek Hugon Szafraniec (Kraków)**
Naimark dilations for indeterminate moment problems.

10:50–11:20 **Coffee break**

11:20–11:50 **Artur Płaneta (Kraków)**
Olson's order for selfadjoint operators in Hilbert space - joint work with Jan Stochel.

11:55–12:25 **Franz Lehner (Graz)**
Eigenfunctions of lamplighter random walks and percolation clusters on graphs.

12:30–13:00 **Jan Dereziński (Warszawa)**
Reduced and extended weak coupling limit.

13:00–14:00 **Lunch**

16:00–16:45 **Coffee and cakes**

16:45–17:10 **Anna Kula (Kraków)**
 q -normality, q -positive definiteness and related convolutions.

17:15–17:45 **Michael Leinert (Heidelberg)**
On translation of positive definite functions (with Lars Omlor).

17:50–18:30 **Andrzej Żuk (Paris 7)**
Growth of groups.

19:30 **Banquet**

Wednesday, August 20

08:00–09:00 **Breakfast**

09:00–09:50 **Robin Hudson (Loughborough)**
Causal and rectangular double products in quantum stochastic calculus.

10:00–10:50 **Un Cig Ji (Chungbuk)**
Regular Properties of Quantum Stochastic Gradients and Quantum Stochastic Integrals.

10:50–11:00 **Picture**

11:00–11:20 **Coffee break**

11:20–11:50 **Michael Skeide (Campobasso)**
What are spatial CP-semigroups?

11:55–12:25 **Franco Fagnola (Milano)**
Structure of generators of symmetric quantum Markov semigroups.

12:30–13:00 **Adam Skalski (Lancaster & Łódź)**
On some questions connected with Voiculescu's noncommutative topological entropy – joint work with Joachim Zacharias.

13:00–13:45 **Lunch**

13:45 **Excursion to Wolsztyn**

19:00–20:00 **Dinner**

20:00–21:00 **Baby Talk – Ryszard Szwarc**
Orthogonal polynomials.

Thursday, August 21

08:00–09:00 **Breakfast**

09:00–09:50 **Narutaka Ozawa (Tokyo)**
Recent advances of in classification of finite von Neumann algebras.

10:00–10:50 **Piotr Śniady (Wrocław)**
Combinatorial interpretation of Kerov character polynomials.

10:50–11:20 **Coffee break**

11:20–11:50 **Hiroaki Yoshida (Tokyo)**
Remarks on non-crossing “linked” partitions and free Meixner law.

11:55–12:25 **Eugene Lytvynov (Swansea)**
Diffusion approximation for equilibrium Kawasaki dynamics in continuum.

12:30–13:00 **Adam Majewski (Gdańsk)**
Measures of entanglement - a Hilbert space approach.

14:00–14:00 **Lunch**

15:15–16:00 **Romuald Lenczewski (Wrocław)**
A new model of noncommutative probability related to free probability.

16:00–16:20 **Coffee break**

16:20–17:05 **Luigi Accardi (Roma)**
Connections between renormalization and central extensions of Lie algebras and associated processes – joint work with A. Boukas.

17:10–17:45 **Andreas Boukas (Athens)**
The $*$ -Lie Algebra of the Renormalized Higher Powers of White Noise (RHPWN)
– joint work with Prof. Luigi Accardi.

17:50–18:10 **Kei Harada (Nagoya)**
Semigroups of Wiener Processes on Abstract Wiener Spaces.

18:15–18:35 **Hiroaki Kakuma (Nagoya)**
Fourier Transform on Infinite Dimensional Spaces.

19:00 **Barbecue**

Friday, August 22

08:00–09:00 **Breakfast**

09:00–09:50 **Fumio Hiai (Tohoku)**
Pressure and its Legendre transform in microstate free entropy.

10:00–10:50 **Marek Bożejko (Wrocław)**
Positive definite functions on Coxeter and free groups.

10:50–11:20 **Coffee break**

11:20–11:50 **Nizar Demni (Bielefeld)**
Topics on Meixner families – joint work with Marek Bożejko.

11:55–12:25 **Uwe Franz (Besan on)**
The Meixner classes for Free and Monotone Independence.

12:30–13:00 **Gero Fendler (Heidelberg)**
On Convolution Dominated Operators.

14:00–14:00 **Lunch**

16:00–16:45 **Coffee and cakes**

19:00–20:00 **Dinner**

20:00–21:00 **Baby Talk – Akihito Hora**
Harmonic analysis on symmetric groups and branching graphs.

Saturday, August 23

08:00–09:00 **Breakfast**

09:00–09:50 **Janusz Wysoczański (Wrocław)**
Remarks on bm-independence.

10:00–10:50 **Marcin Marciniak (Gdańsk)**
Tensor cones and approximation problem.

10:50–11:20 **Coffee break**

11:20–11:50 **Adam Paszkiewicz (Łódź)**
On commutative statistics.

11:55–12:25 **Jan Florek (Wrocław)**
Billiard, diophantine approximation and related problems.

12:30–13:00 **Dorota Kępa (Lublin)**
Bassalygo-Dobrushin uniqueness for continuous spin systems on quasi-bounded graphs.

13:00–14:00 **Lunch**