15th WORKSHOP: NON-COMMUTATIVE HARMONIC ANALYSIS, 23-29.09.2012, Będlewo, Poland

Sunday,	September 23
19:00	Dinner
Monday,	September 24
08:00-09:00	Breakfast
09:00-09:40	Uffe Haagerup (University of Copenhagen) Approximation properties for groups and von Neumann algebras
09:45–10:25	Takeshi Hirai (Kyoto) Gelfand-Raikov representations of Coxeter groups associated to positive definite norm functions
10:25–10:50	Coffee break
10:50–11:30	Nobuaki Obata (Tohoku University) Localization of quantum walks on spidernets
11:35–12:00	Takahiro Hasebe (Kyoto University) Infinitesimals of natural independences
12:05–12:30	Un Cig Ji (Chungbuk National University) Annihilation and Creation Derivatives on Operators on q -Fock Space
12:35–13:00	Dmitriy Zanin (University of New South Wales, Sydney) Johnson-Schechtman inequalities in the free probability setting
13:00–14:00	Lunch

big 15:30-16:00

Eugene Lytvynov (Swansea University)

Determinantal point processes with J-Hermitian correlation kernels

big 16:05-16:35

Adam Majewski (University of Gdańsk)

On the structure of positive maps

small 15:30-16:00

Helene Airault (Université de Picardie Jules Verne, Insset & LAMFA)

Vector fields and Laplacians related to the infinitesimal representation of the symplectic group

small 16:05-16:35

Abdelhamid Boussejra (University Ibn Toufail, Morocco)

The Hua operators on Homogeneous Line Bundles on Bounded Symmetric Domains of Tube Type big 17:10-17:40

Anna Jencova (Slovak Academy of Sciences, Bratislava)

Generalized POVMs and measurements on quantum channels

big 17:45-18:15

Karol Penson (Université Pierre et Marie Curie, Paris 6)

Rational Raney distributions and Mellin transform with some bearings on free probability

small 17:10-17:40

Jan Hamhalter (Czech Technical University)

Affiliated subspaces, states, and structure of von Neumann algebras - joint work with E.Turilova (Kazan Federal University)

small 17:45-18:15

Dorota Kępa (Maria Curie-Skłodowska University, Lublin)

Coarse-graining and almost sure uniqueness of Gibbs fields on graphs

19:00-20:00 **Dinner**

20:00–21:00 Baby Talk–Anatolij Vershik

What does it mean "Asymptotic representation theory" and what was its history

Tuesday,	September 25
08:00-09:00	Breakfast
09:00-09:40	Gilles Pisier (Université Pierre et Marie Curie, Paris 6 & Texas A&M University) Operator space structures on L_p -spaces
09:45–10:25	Izumi Ojima (Research Institute for Mathematical Sciences, Kyoto University) Unification of four interactions in composition series
10:25–10:50	Coffee break
10:50–11:30	Robin Hudson (Loughborough University) A unitary operator determined by its subdiagonal part
11:35–12:00	Michał Wojciechowski (Polish Academy of Sciences, Warsaw) On the Wiener - Pitt sets
12:05–12:30	Yanqi Qiu (Université Paris VI) The OUMD property for column Hilbert space
12:35–13:00	Gero Fendler (University of Vienna) Aspects of Uncertainty: Eigenfunctions of the Fourier Transform with small Support
13:00–14:00	Lunch
15:00–15:25	Guy Salomon (Ben-Gurion University of the Negev) Topological convolution algebras
15:30–16:00	Daniel Alpay (Ben-Gurion University of the Negev) Non commutative linear system theory and white noise space theory
16:05–16:35	Romuald Lenczewski (Wrocław University of Technology) Limit distributions of the ensemble of Gaussian symmetric random blocks
16:35–17:10	Coffee and cakes
17:10–18:10	Poster session
19:00	Banquet

Wednesday,	September 26
08:00-09:00	Breakfast
09:00-09:40	Anatolij Vershik (Steklov Mathematikal Institue of Russian Academy, St. Petersburg) Infinitedimensional version of Schur-Weyl duality and Coxeter-Laplace operator
09:45–10:25	Denes Petz (Budapest University of Technology and Economics) Matrix variances with projections
10:25–10:50	Coffee break
10:50–11:30	Piotr Śniady (Polish Academy of Sciences, Warsaw) Jack deformation of characters of the symmetric groups
11:35–12:00	Seung-Hyeok Kye (Seoul National University) On the structural physical approximation conjecture
12:05–12:30	Hiroaki Yoshida (Ochanomizu University, Tokyo) On derivation of the relative free entropy and the Talagrand's inequality for the semi-circle law
12:35–13:05	Hiroshi Ando (Kyoto University) Ultraproducts of von Neumann algebras
13:10–14:00	Lunch
14:00	Excursion to Poznań
16:35–17:10	Coffee and cakes
19:00–20:00	Dinner
20:00–21:00	Baby Talk–Uffe Haagerup TBA

Thursday,	September 27
08:00-09:00	Breakfast
09:00-09:40	Karol Życzkowski (Jagiellonian University, Kraków) On numerical range and numerical shadow of a random matrix
09:45–10:25	Maciej Nowak (Jagiellonian University, Kraków) Spectral shock waves in dynamical random matrix theories
10:25–10:50	Coffee break
10:50–11:30	David Shoikhet (ORT Braude College, Karmiel) Asymptotic behavior of holomorphic flows rigidity and interpolation
11:35–12:00	Zdzisław Burda (Jagiellonian University, Kraków) Universal microscopic correlation functions for products of independent Ginibre matrices
12:05–12:30	Tim de Laat (University of Copenhagen) Approximation properties of noncommutative Lp-spaces associated with lattices in Lie groups
12:35–13:00	Jiun-Chau Wang (University of Saskatchewan) Monotone Probability and Infinite Ergodic Theory
13:00–14:00	Lunch

big 15:30–16:00

Wiktor Ejsmont (University of Wrocław)

Characterizations of some free random variables

big 16:05-16:35

Carlos Vargas Obieta (Universität des Saarlandes)

Applications of operator-valued free probability to random matrix problems

small 15:30-16:00

Santanu Dey (Indian Institute of Technology Bombay)

Repeated interaction model with a subprocess

small 16:05-16:35

Bartosz Kwaśniewski (University of Białystok)

On transfer operators for C*-dynamical systems

16:35–17:10 Coffee and cakes

big 17:10-17:40

Adam Paszkiewicz (University of Łódź)

Projections in a Hilbert space, solution of Amemiya-Ando conjecture, maximal measurements

big 17:45–18:15

P.K. Das (Indian Statistical Institute, Kolkata)

Optimal Control of Two-level Pauli Spin System with Weighted Energy Cost Functional

big 18:20-18:45

Hanna Podsękowska (University of Łódź)

State determination and sufficiency of algebras

19:00 Barbecue

small 17:10-17:40

Jaeseong Heo (Hanyang University) Asymptotic derivations on C^* -algebras

small 17:45-18:15

Rachid El Harti (University Hassan I, Settat)

Profinite pro-C*-algebras and pro-C*-algebras of profinite groups

small 18:20-18:45

Michał Wojtylak (Jagiellonian University, Kraków)

On a class of H-selfadjont random matrices with one eigenvalue of nonpositive type

Friday,	September 28
08:00-09:00	Breakfast
09:00-09:40	Jesse Peterson (Mathematics Department, Vanderbilt. University) Stabilizers of ergodic actions of lattices and commensurators
09:45–10:25	Andrzej Łuczak (University of Łódź) Quantum Blackwell-Sherman-Stein theorem and related results
10:25–10:50	Coffee break
10:50–11:30	Ivan Nourdin (Université Henri Poincaré, Nancy 1) Chaos and the Fourth Moment
11:35–12:00	Uwe Franz (Université de Franche-Comté, Besançon) Heat semigroups on compact quantum groups
12:05–12:30	Hayato Saigo (Nagahama Institute of Bio-Science and Technology) New look at the Arcsine law and "Quantum-Classical Correspondence"
12:35–13:00	Aurel Stan (Ohio State University) Some inequalities about the norms of Poissonian Wick products. Joint work with Professor Alberto Lanconelli, University of Bari, Italy
13:00–14:00	Lunch
15:30–16:00	Naofumi Muraki (Iwate Prefectural University) Twisted independence for noncommutative random variables
16:05–16:35	Marek Bożejko (University of Wrocław) New non-commutative Gaussian processes and relation with random matrices and positive definite function on permutation (Coxeter) groups
16:35–17:10	Coffee and cakes
17:10–17:40	Malte Gerhold (Ernst-Moritz-Arndt-Universität Greifswald) Finite dimensional subproduct systems
17:45–18:15	Jacek Brodzki (University of Southampton) Subspaces of groups and generalised Pimsner-Voiculescu extensions
19:00–20:00	Dinner

Saturday,	September 29
08:00–09:00	Breakfast
10:25–10:50	Coffee break
12:30	Lunch