Monday, October 1, 2012

Morning

Chairman: René Schott

8:35 - 8:45 Opening

8:45 - 9:30 Wilhelm von Waldenfels: New results about the amplified oscillator.

9:30 - 10:00 Michael Skeide: Characterization of CPH-Maps — What might they be good for?

10:00 - 10:30 Adam Skalski: Hopf images, idempotent states and matrix models of quantum groups.

10:30 - 11:00 Coffee break

11:00 - 11:30 Noboru Watanabe: On Complexities of Quantum Transmission Processes.

11:30 - 12:00 Toshihide Hara: On the Relations among Entropic Chaos Degree and Kolmogorov-Sinai Entropy, Lyapunov Exponents

12:00 - 12:30 Nobuhiro Asai: Orthogonal Polynomials Originated from the Boas-Buck Type Generating Functions.

12:30 - 14:15 Lunch break

Afternoon

Chairman: Uwe Franz

14:15 - 15:00 Masanori Ohya: Mathematical formulation of adaptive dynamics and non-Kolmogorov probability theory.

15:00 - 15:30 Franco Fagnola: Entropy production for quantum Markov semigroups.

15:30 - 16:00 Raffaella Carbone: Environment induced decoherence for quantum Markov semigroups.

16:00 - 16:30 Coffee break

16:30 - 17:00 Ricardo Castro Santis: Approximation of quantum dynamics for Quantum Markov Semigroups.

17:00 - 17:30 Francesco Fidelao: The nonconventional ergodic theorem.

17:30 - 18:00 Young Yi Kim: Convolution Products in White Noise Theory.

18:00 - 18:30 Luigi Accardi: The quantum decomposition of random variables without moments.

19:30 -   Dinner

Tuesday, October 2, 2012

Morning

Chairman: Luigi Accardi

8:45 - 9:30 Stéphane Attal: Repeated quantum interaction: old and new.

9:30 - 10:00 Julien Deschamps: Classical Action of Quantum Baths and Complex Obtuse Random Variables.

10:00 - 10:30 Matteo Gregoratti: Quantum measurements in continuous time, non Markovian evolutionsand feedback.

10:30 - 11:00 Coffee break

11:00 - 11:30 Satoshi Iriyama: On a new quantum search algorithm and its complexity.

11:30 - 12:00 Yuh-Jia Lee: Calculus of Generalized Brownian of Functionals, Revisited.

12:00 - 12:30 Takashi Matsuoka: Mutual entropy and Quantum correlation.

12:30 - 14:15 Lunch break

Afternoon

Chairman: B.V. Rajarama Bhat

14:15 - 15:00 Philip Feinsilver: Multivariate Krawtchouk polynomials and a spectral theorem for symmetric tensors.

15:00 - 15:30 Andreas Boukas: Contractions and central extensions of ququntum white noise Lie algebras.

15:30 - 16:00 Roberto Quezada: A cycle representation and entropy production for circulant quantum Markov semigroups.

16:00 - 16:30 Coffee break

Chairman: Franco Fagnola

16:30 - 17:00 Santanu Dey: Outgoing Cuntz scattering system for a coisometric lifting.

17:00 - 17:30 Anna Kula: Symmetries of Lévy processes on compact quantum groups.

17:30 - 18:00 Janusz Wysoczanski: Orthogonal polynomials related to anyon statistics.

18:00 - 19:00 Meeting of the Association for Quantum Probability and Infinite Dimensional Analyis

19:30 - Dinner

Wednesday, October 3, 2012

Morning

Chairman: K.B. Sinha

8:45 - 9:30 Martin Lindsay: Lévy processes on compact quantum groups & stochastic flows on noncommutative manifolds.

9:30 - 10:00 Alexander Belton: An algebraic construction of quantum flows with unbounded generators.

10:00 - 10:30 Bata Krishna Das: Quantum stochastic analysis in operator space and unitary random walk approximation.

10:30 - 11:00 Coffee break

Chairman: Kai Schwieger

11:00 - 11:30 Stephen Barreto: Disordered fermion systems on a lattice.

11:30 - 12:00 B.V. Rajarama Bhat: Bures distance for completelypositive maps.

12:00 - 12:30 Remus Floricel: Asymptotic properties of quasi-shift endomorphisms of von Neumann algebras.

12:30 - 14:15 Lunch break

—— **Free afternoon** ——

19:30 -   Dinner

Thursday, October 4, 2012

Morning

Chairman: Adam Skalski

8:45 - 9:30 Philippe Biane: A concave version of free entropy.

9:30 - 10:00 Demosthenes Ellinas: Algebraic Random walks for operator valued measures and symmetric functions.

10:00 - 10:30 Robin Hillier: Noncommutative geometry of conformal nets.

10:30 - 11:00 Coffee break

Chairman: Michael Skeide

11:00 - 11:30 Wladyslaw A. Majewski: On the structure of positive maps.

11:30 - 12:00 Octavio Arizmendi: Convergence and Superconvergence in Non-Commutative Probability: Acombinatorial approach.

12:00 - 12:30 Kay Schwieger: Convergence of diagonal quantum couplings.

12:30 - 14:15 Lunch break

Afternoon

Chairman: Alexander Belton

14:15 - 15:00 Dimitri Petritis: Random walks on directed graphs.

15:00 - 15:30 Nizar Demni: Spectral distribution of the free Jacobi process.

15:30 - 16:00 Carlos Manuel Mora: Ehrenfest-type theorems for open quantum systems.

16:00 - 16:30 Coffee break

Chairman: Nobuaki Obata

16:30 - 17:00 Ayed Wided: White noise approach to quantum stochastic calculus.

17:00 - 17:30 Abdessatar Barhoumi: QWN-Convolution operators with application to differential equations.

17:30 - 18:00 Skander Hachicha: Generic Quantum Markov Semigroups With Instantaeous states.

18:00 - 18:30 Oliver Margetts: Quasifree cocycles.

19:30 - Dinner (Bouillabaisse)

Friday, October 5, 2012

Morning

Chairman: Wolfgang Freudenberg

8:45 - 9:30 Irina Arefeva: Holographic description of entropy production in quark-gluon plasma formation.

9:30 - 10:00 Igor Volovich: Black hole formation paradox and stochastic field theory.

10:00 - 10:30 Pierre Martinetti: Kantorovich metric in noncommutative geometry.

10:30 - 11:00 Coffee break

Chairman: Un Cig Ji

11:00 - 11:30 Nobuaki Obata: Distance k-graphs of direct product graphs and their asymptotic spectral distributions.

11:30 - 12:00 Kalyan Sinha: A Homomorphism theorem for Quantum Stochastic flows and Trotter Product for Processes.

12:00 - 12:30 Wolfgang Freudenberg: On a Quantum Statistical Model of the Recognition Process.

12:30 - 14:15 Lunch break

Afternoon

Chairman: Martin Lindsay

14:15 - 15:00 Robin Hudson: The mystery of time reversal in quantum stochastic calculus.