

CIRM

QP 39 PROGRAMME

	MONDAY 15	TUESDAY 16	WEDNESDAY 17	THURSDAY 18	FRIDAY 19
8:45 – 9:30	BHAT	SCHÜRMAN	FRANZ	STAN	QUEZADA
9:30 – 10:15	CHEN	SINHA	BOZEJKO	CHRUSCINSKI	SARKAR
10:15 – 10:45	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
10:45 – 11:30	ACCARDI	JI	MUKHAMEDOV	MORA	YOO
11:30 – 12:15	OUERDIANE	KOZYREV	AL-RAWASHDEH	LANCONELLI	BARCHIELLI
12:15 – 13:00	KYE	WATANABE	SENGUPTA	WILLS	FAGNOLA / CLOSING
12:30 SHARP					LUNCH
13:00 SHARP	LUNCH	LUNCH	LUNCH	LUNCH	
15:00 - 15:45	LINDSAY	Excursion	SKALSKI	WYSOCZANSKI	
15:45 – 16:30	DHAHRI	Excursion	LEE	CRISMALE	
16:30 – 17:00	COFFEE BREAK	Excursion	COFFEE BREAK	COFFEE BREAK	
17:00 – 17:45	SCHOTT	Excursion	CARBONE	UMANITA'	
17:45 – 18:30	GINATTA	Meeting of AQPIDA	KIHARA	GREGORATTI	
18:30 – 19:15	IRIYAMA	Meeting of AQPIDA	LU	OUSSI	
19:30 SHARP	DINNER	DINNER	DINNER	DINNER	

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- 1) Luigi Accardi (Roma II): *A mathematical definition of Bose-Einstein Condensation (BEC)*
- 2) Ahmed Saleh Al-Rawashdeh (UAE): *On the unitary groups of operator algebras*
- 3) Alberto Barchielli (Pol. Milano): *Quantum optomechanical systems: a quantum-stochastic approach*
- 4) B.V. Rajarama Bhat (Bangalore): *Infinite mode quantum Gaussian states*
- 5) Marek Bożejko (Wrocław): *Positive definite functions on Coxeter groups with applications to free probability and multi-valued logic of Jan Łukasiewicz*
- 6) Raffaella Carbone (Pavia): *Stationary states and irreducibility for open quantum random walks*
- 6) Louis H.Y. Chen (Singapore): *Steins method and Palm theory in random measures*
- 7) Dariusz Chruscinski (Torun): *Divisibility and information flow for non-invertible dynamical maps*
- 8) Vitonofrio Crismale (Bari): *Sums of monotone position operators: vacuum distribution and spectrum*
- 9) Ameer Dhahri (Chungbuk): *Potential theory of some Quantum Markov Chains*
- 10) Uwe Franz (Besançon): *Constructions of monotone increment processes*
- 11) Nicolò Ginatta (Genova): *Structure of a covariant QMS with respect to a generic representation*
- 12) Matteo Gregoratti (Pol. Milano): *Uncertainty relations and information loss for spin-1/2 measurements*
- 13) Maki Kihara (Tokyo): *Note on stream cipher based on non-commutative algebra and its application for authentication*
- 14) Sergei Kozyrev (Moscow): *Model of vibrones in quantum photosynthesis as an analog of model of laser*
- 15) Seung-Hyeok Kye (Seoul): *Separability of multi-qubit states in terms of diagonal and anti-diagonal entries*
- 16) Satoshi Iriyama (Tokyo): *Mathematical model of photosynthesis and its energy transmission process*
- 17) Un Cig Ji (Chungbuk): *Inequalities for operators*
- 18) Alberto Lanconelli (Bologna): *Rate of convergence for Wong-Zakai-type approximations of Itô Stochastic Differential Equations*
- 19) Hyun Ho Lee (Ulsan): *On a Gauge action on noncommutative solitons*
- 20) Martin Lindsay (Lancaster): *Quantum random walks and quasifree cocycles*

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- 21) Yun Gang Lu (Bari): *A classe of discrete IFS and a new independence*
- 22) Carlos Manuel Mora Gonzalez (Concepción): *Exponential convergence to equilibrium for a mean field laser equation*
- 23) Farrukh Mukhamedov (UAE): *On S-mixing entropy of Quantum Channels*
- 24) Habib Ouerdiane (Tunis): *Symbols of infinite dimensional operators and applications to White Noise Analysis*
- 25) Lahcen Oussi (Wroclaw): *BM-Central limit theorems associated with non-symmetric positive cones*
- 26) Roberto Quezada (Mexico City): *Structure of invariant states of weak coupling limit type semigroups*
- 28) Jaydeb Sarkar (Bangalore): *Multivariable operator theory – a brief survey*
- 29) René Schott (Nancy): *Integration with respect to the non-commutative fractional Brownian motion*
- 30) Michael Schürmann (Greifswald): *Non-commutative stochastic independence and cumulants*
- 31) Ambar Sengupta (CONN): *Quantum Yang-Mills in 2 dimensions*
- 32) Kalyan Sinha (Vidyapith): *The Martingale problem in Quantum Probability*
- 33) Adam Skalski (Warsaw): *Convolution semigroups of states and their generators*
- 34) Aurel I. Stan (Marion): *Computing the quantum operators for Meixner random variables*
- 35) Veronica Umanità (Genova): *The role of the atomic decoherence-free subalgebra in the study of Quantum Markov Semigroups*
- 36) Noboru Watanabe (Tokyo): *On complexity for Quantum Dynamical Systems*
- 37) Stephen Wills (Cork): *Constructing the quantum exclusion process*
- 38) Janusz Wysoczanski (Wroclaw): *Weakly monotone Fock space and monotone convolution of the Wigner Law*
- 39) Hyun Jae Yoo (Hankyong): *Quadratic open quantum harmonic oscillators*