



MTA PÉCSI AKADÉMIAI BIZOTTSÁG



5th Work Meeting on Quantum Optics & Information

28-29 April 2017

Regional Centre of the Hungarian Academy of Sciences at Pécs

Friday, 28 April 2017

- 9:00 9:30 R. Kruse (Paderborn): Quantum Walks in Time
9:30 10:00 I. Yalcinkaya (Prague): Quantum Walks and Artificial Gauge Fields
10:00 10:30 B. Coutinho (Lisbon): Routing in Quantum Networks

10:30 11:00 *Coffee break*

11:00 11:30 T. Geszti (Budapest): A Quantum Collapse Model Based on Nonlinear Deterministic Dynamics
11:30 12:00 Z. Zimborás (Budapest): Decomposition of Quantum Gates

12:00 13:30 *Lunch break*

13:30 14:00 C. Hamilton (Prague): Gaussian Boson Sampling
14:00 14:30 A. B. Frigyik (Pécs): Quantum Control: From State to State
14:30 15:00 F. Bódog (Pécs): Optimization of Periodic Single-Photon Sources Based on Combined Multiplexing

15:00 15:30 *Coffee break*

15:30 16:00 P. Domokos (Budapest): Ultrastrong Coupling in QED
16:00 16:30 G. Kónya (Budapest): Introduction to the Keldysh Formalism Using Superoperators
16:30 17:00 N. Sándor (Strasbourg): Rydberg Optical Feshbach Resonances in Cold Gases

Saturday, 29 April 2017

- 09:30 10:00 T. Haase (Darmstadt): On Laser Cooling
10:00 10:30 A. Gilyén (Amsterdam): Optimising Quantum Optimisation Algorithms
10:30 11:00 D. Jakab (Budapest): The Bilinear Biquadratic Model on the Complete Graph

11:00 11:30 *Coffee break*

11:30 12:00 Zs. Bernád (Darmstadt): An Entanglement Purification Protocol Without Twirling Operations
12:00 12:30 A. Sauer (Darmstadt): On Bell polytopes
12:30 13:00 M. Pintér (Pécs): Non-classical Correlation in Classical Games