

PROGRAMME OF QUANTUM2CLASSICAL

Monday 18th June

09:00 Welcome

09:15 Florian Mintert (inv.)

10:00 Farid Shahandeh (contr.)

10:30 Coffee break

11:00 Matteo Rossi (inv.)

11:45 George Knee (contr.)

12:15 Free time for lunch (see list of suggested places)

14:00 Thao Le (inv.)

14:45 Mauro Paternostro (inv.)

15:30 Coffee break

16:00 Poster session

17:30 End of first day
(Note: building closes at 18:00)

Tuesday 19th June

- 09:00 Angelo Bassi (inv.)
- 10:00 Luca Feriali (contr.)
- 10:30 Coffee break
- 11:00 Ivette Fuentes (inv.)
- 11:45 Carlo Maria Scandolo (contr.)
- 12:15 Free time for lunch (see list of suggested places)
- 14:00 Robin Blume-Kohout (inv.)
- 14:45 Rainer Kaltenbaek (inv.)
- 15:30 Coffee break
- 16:00 Panel discussion
- 17:00 Close of workshop
(Note: building closes at 18:00)

Invited talks

- Angelo Bassi, *Wave function collapse, gravity and cosmology*
- Robin Blume-Kohout, *What “Semiclassical Computation” might mean*
- Ivette Fuentes, *Gravity in the quantum lab*
- Rainer Kaltenbaek, *Towards a space platform for fundamental tests of quantum physics*
- Thao Le, *Strong quantum Darwinism*
- Florian Mintert, *Anderson localisation and decoherence*
- Mauro Paternostro, *Revealing quantumness without looking*
- Matteo Rossi, *Quantum walks on graphs affected by classical noise*

Contributed talks

- Luca Ferialdi, *Optimal feedback cooling of levitated nanoparticles*
- George Knee, *Signatures of temporal signalling in quantum systems strongly coupled to an environment*
- Carlo Maria Scandolo, *Classicality and objectivity in general probabilistic theories*
- Farid Shahandeh, *Does there exist a macro-scale?*

Posters

- Soumik Adhikary, *Quantum logic and non-classicality*
- Eliana Fiorelli, *Open quantum generalization of Hopfield neural networks*
- Paul Knott, *Generic emergence of objectivity of observables in infinitedimensions*
- Nuriya Nurgalieva, *Inadequacy of modal logic in quantum settings*
- Jason Ralph, *Finding the Quantum-Classical Transition with Poor Measurements*
- Enrico Sindici, *Quantifying Identical Particle Entanglement*
- Vyome Singh, *TBC*
- Marko Toros, *Quantum mechanics beyond Galileo*
- Liam Walker, *Quantum feedback and control of levitated microscopic systems*