

Workshop on Network Non-Locality



Sunday 29 May 2022 - Friday 3 June 2022

Scientific Programme

Tentative programm

Arrival Sunday May 29th, 2022 - 18h00 70th Birthday Apéro and Dinner
Monday

09:30 Sandu Popescu

10:15 Renato Renner
The Gisin Theorem and Gravity
11:00 Coffee break

11:30 Antonio Acín
Network quantum information processing

12:30 Lunch

16:30 Elie Wolfe

17:15 Coffee break

17:45 Jean-Daniel Bancal
Loophole-free Bell Inequality Violation with Superconducting Circuits

18:30 Valerio Scarani
Circulez, il n'y a rien a voir: what we all taught wrongly about the quantum harmonic oscillator.
19:30 Dinner
Tuesday

09:30 Nicolas Gisin
Indeterminism is physical

10:15 Gilles Brassard
Drôles de mathématiques : Multiplication by 3 is uncomputable

11:00 Coffee break

11:30 Tein Van der Lugt
A mathematical formalism for finite-precision classical mechanics

12:30 Lunch

16:30 Flavio Del Santo

17:15 Coffee break

17:45 Antoine Tilloy

18:30 Nicolas Sangouard

Experimental quantum key distribution with security certified by Bell's theorem

19:30 Dinner

Wednesday

09:30 Nicolas Brunner

Genuine network quantum nonlocality

10:15 Roger Colbeck

Self-testing of physical theories

11:00 Glacier 3000

bus @ 11:22

11:30

12:30

16:30

17:15

17:45

18:30 Armin Tavakoli

Entanglement in quantum communications

19:30 Dinner

Thursday

09:30 Caslav Buckner

Objectivity in Quantum Theory

10:15 Harry Buhrman

Doubling down: from classical to quantum designs

11:00 Coffee break

11:30 Salman Beigi

12:30 Lunch

16:30 Stefano Pironio

How to fix academic publishing: a few lessons from Nicolas Gisin's career

17:15 Coffee break

17:45 Yeong Cherng Liang

18:30 Mirjam Weilenmann

19:30 Dinner
Friday

09:30 Stefan Wolf
No-Cloning Without Quantum

10:15 Cyril Branciard

11:00 Coffee break

11:30 Serge Massar
Multiphoton correlations in quantum images and boson sampling
12:30 Lunch