

QUIC 2007 Program

Sunday, August 26

17:30 – 20:00 Registration and Reception

Monday, August 27

8:30 – 9:00 Registration

9:00 – 10:30 Alexander Retzker (Imperial College)
Laser cooling of trapped particles

10:30 – 11:00 Tea & Coffee

11:00 – 12:30 Alexander Retzker (Imperial College)
Laser cooling of trapped particles

12:30 – 14:00 Lunch

14:00 – 15:30 Klaasjan van Druten (University of Amsterdam)
Robert Spreeuw (University of Amsterdam)
Atom chips: tutorial

15:30 – 16:15 Robert Spreeuw (University of Amsterdam)
Microtrap lattices on permanent magnet atom chips

16:15 – 17:00 Klaasjan van Druten (University of Amsterdam)
Bose gas in 1D: to BEC or not to BEC

17:00 – 17:30 Tea & Coffee

17:30 – 19:00 Thorsten Schumm (University of Vienna)
BEC in dressed adiabatic potentials on atom chips

19:00 – 20:00 Dinner

Tuesday, August 28

9:00 – 10:30 Ron Folman (Ben Gurion University)
Atom-Surface interaction in Atom Chips: the good and the bad

10:30 – 11:00 Tea & Coffee

11:00 – 12:30 Ron Folman (Ben Gurion University)
Light and Matter-Wave resonators on Atom Chips

- 12:30 – 14:00 Lunch
- 14:00 – 15:30 Thomas Busch (University College Cork)
Low dimensional quantum gases
- 15:30 – 17:00 Peter Krueger (ENS Paris and University of Heidelberg)
Experiments with low dimensional quantum gases
- 17:00 – 17:30 Tea & Coffee
- 17:30 – 19:00 Francesco Cataliotti (Universita di Catania)
Ordered and disordered optical potentials
- 19:00 – 22:00 Dinner and **Poster Session**

Wednesday, August 29

- 9:00 – 10:30 Vladimir Buzek (Slovak Academy of Sciences, Bratislava)
Quantum observations: Reconstruction of quantum states and processes
- 10:30 – 11:00 Tea & Coffee
- 11:00 – 12:30 Mark Hillery (Hunter College, New York)
Quantum walks
- 12:30 – 13:15 Francesca Arcara (Institute d'Optique, Orsay)
Marie Curie actions in 7th Framework Program – EU post-doc funding
- 13:15 – 14:00 Lunch
- 14:00 – 19:00 Free afternoon
- 19:00 – 20:00 Dinner

Thursday, August 30

- 9:00 – 10:30 Barry Sanders (University of Calgary)
Implementations of quantum information protocols
- 10:30 – 11:00 Tea & Coffee
- 11:00 – 12:30 Barry Sanders (University of Calgary)
Implementations of quantum information protocols

12:30 – 14:00	Lunch
14:00 – 15:30	Klemens Hammerer (University of Innsbruck) Ensembles in quantum communication
15:30 – 17:00	Mario Ziman (Slovak Academy of Sciences, Bratislava) Programmable quantum devices
17:00 – 17:30	Tea & Coffee
17:30 – 19:00	Ray Laflamme (Perimeter Institute) NMR quantum computing
19:00 – 20:00	Dinner

Friday, August 31

9:00 – 10:30	Ignacio Cirac (Max Planck Gesellschaft, Garching) Entangled states: theory and applications
10:30 – 11:00	Tea & Coffee
11:00 – 12:30	Jiri Vala (NUI Maynooth) Naturally fault-tolerant and topological quantum computation
12:30 – 14:00	Lunch
14:00 –	Departure of Participants

QUIC 2007 Summer School, NUI Maynooth, 2007

Su											17 ³⁰	20 ⁰⁰	
	Registration and Reception												
	8 ³⁰	9 ⁰⁰	10 ³⁰	11 ⁰⁰	12 ³⁰	14 ⁰⁰	15 ³⁰	16 ¹⁵	17 ⁰⁰	17 ³⁰	19 ⁰⁰	20 ⁰⁰	
Mo	Registration	Alexander Retzker	Tea	Alexander Retzker	Lunch	Klaasjan van Druuten & Robert Spreeuw	Robert Spreeuw	Klaasjan van Druuten	Tea	Thorsten Schumm	Dinner		
Tu		Ron Folman	Tea	Ron Folman	Lunch	Thomas Busch	Peter Krueger		Tea	Francesco Cataliotti	Dinner & Poster session		
	9 ⁰⁰	10 ³⁰	11 ⁰⁰	12 ³⁰	13 ¹⁵	15 ³⁰	17 ⁰⁰	17 ³⁰	19 ⁰⁰	20 ⁰⁰			
We	Vladimir Buzek		Tea	Mark Hillery		Francesca Arcara	Lunch	Free afternoon			Dinner		
	9 ⁰⁰	10 ³⁰	11 ⁰⁰	12 ³⁰	14 ⁰⁰	15 ³⁰	17 ⁰⁰	17 ³⁰	19 ⁰⁰	20 ⁰⁰			
Th	Barry Sanders		Tea	Barry Sanders		Lunch	Klemens Hammerer		Mario Ziman			Ray Laflamme	Dinner
Fr	Ignacio Cirac		Tea	Jiri Vala		Lunch	Departure						