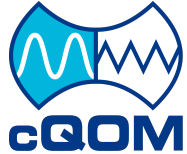


Detailed program for ITN Workshop in Diavolezza, 10.-14. February 2013

Monday 11.02.2013

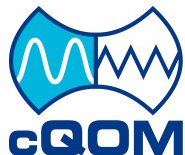
Time	Speaker's name	Title
8:00	breakfast	
8:30-9:15	Tobias Kippenberg	Opening remarks and Tutorial: Dynamical backaction in Cavity optomechanics
9:30-10:15	Florian Marquardt	Tutorial: Basics of cavity optomechanics: an introduction from a theoretical point of view
10:15-10:45	coffee break	
10:45-11:30	Florian Marquardt	Tutorial: Basics of cavity optomechanics: an introduction from a theoretical point of view
11:40-12:25	Urs Duerig	Nanofabrication using thermal probes
12:30	lunch	
18:30	dinner	
19:45-20:30	Tobias Kippenberg	Cavity optomechanics: From quantum coherent coupling to slowing, advancing and switching of light
20:45-21:30	Antoine Heidmann	Cavity Optomechanics with Micromirrors
21:45-22:15	Dal Wilson	Cavity Optomechanics with Si ₃ N ₄ Films



Detailed program for ITN Workshop in Diavolezza, 10.-14. February 2013

Tuesday 12.02.2013

Time	Speaker's name	Title
8:00	breakfast	
8:30-9:15	Andreas Nunnenkamp	Tutorial: Cavity optomechanics in new regimes and with novel devices
9:30-10:15	Andreas Nunnenkamp	Tutorial: Cavity optomechanics in new regimes and with novel devices
10:15-10:45	coffee break	
10:45-11:15	Tristan Briant	Optomechanical correlations and radiation-pressure noise
11:25-11:55	Andreas Sawadsky	The SQL of an external force measurement
12:05-12:35	Rémy Braive	Optomechanics with two-dimensional photonic crystals
12:35	lunch	
18:30	dinner	
19:45-20:30	Roman Schnabel	Einstein-Podolsky-Rosen entanglement of massive mirrors
20:45-21:15	Paolo Navaretti	Next-Generation Ultrasensitive Mechanical Resonators for Magnetic Resonance Force Microscopy
21:25-21:55	Ramon Moghadas Nia	A Michelson-Sagnac interferometer operated at 8K
22:05-22:35		



Detailed program for ITN Workshop in Diavolezza, 10.-14. February 2013

Wednesday 13.02.2013

Time	Speaker's name	Title
8:00	breakfast	
8:30-9:15	David Vitali	Tutorial: Entanglement in cavity optomechanics
9:30-10:15	David Vitali	Tutorial: Quantum interfaces with optomechanical systems
10:15-10:45	coffee break	
10:45-11:15	Andreas Kronwald, Florian Marquardt	Full photon statistics of a light beam transmitted through an optomechanical system
11:25-11:55	Florian Blaser	Cavity optomechanics with levitated nanospheres
12:00	lunch	
18:30	dinner	
19:45-20:15	R. Van Laer	Strong stimulated Brillouin scattering in an on-chip silicon slot waveguide
20:25-20:55	Jean Teissier	Hybrid Optomechanics with NV centers
21:05-21:35	Henning Kaufer	Dissipative optomechanics in a Michelson-Sagnac interferometer
21:45-22:15	Maria Korppi	Optomechanical Coupling of Ultracold Atoms and a Mechanical Oscillator
22:15-22:45	Vivishek Sudhir	Two-level defects and their coupling to optomechanical phonons