

## Monte Verita QNM 2013 Conference Program (21-25 July 2013)

Sunday 21st July: Registration - Check-in 16:00 to 19:00		18:30 Welcome Drink - 19:00 Dinner	21:00 Poster Session
	Monday 22nd July	Tuesday 23rd July	Wednesday 24 <sup>th</sup> July
8:45	Welcome address & Introduction to CSF		
9:00 - 9:40	<b>Prof. Pierre Meystre</b> , <i>University of Arizona</i> "Multimode dynamics in quantum optomechanics"	<b>Prof. Aashish Clerk</b> , <i>Mc Gill University</i> "Reservoir engineered states in optomechanics"	<b>Prof. Eugene Polzik</b> , <i>Niels Bohr Institute Copenhagen</i> "Optical detection of radio waves through nanomechanical transduction"
9:45 - 10:25	<b>Prof. Cindy Regal</b> , <i>JILA NIST-CU</i> "Observation of radiation pressure shot noise and squeezed light with an optomechanical device"	<b>Prof. Michel Devoret</b> , <i>Yale University</i> "Full Coherent Frequency Conversion between Two Propagating Microwave Modes"	<b>Prof. Warwick Bowen</b> , <i>University of Queensland Australia</i> "Interrogating nano- and micromechanical systems with non-classical light"
10:25 - 10:55	Coffee Break	Coffee Break	Coffee Break
10:55 - 11:35	<b>Prof. Konrad Lehnert</b> , <i>JILA NIST-CU</i> "Dynamical control of electro-mechanical networks"	<b>Prof. Florian Marquardt</b> , <i>University Erlangen Nuernberg</i> "Quantum dynamics in optomechanical arrays"	<b>Prof. Michael Tobar</b> , <i>The University of Western Australia</i> "Low temperature properties of quartz acoustic wave resonators and applications to hybrid quantum systems"
11:40 - 12:20	<b>Prof. Andrew Cleland</b> , <i>University of California Santa Barbara</i> "Coupling microwave to light via an optomechanical transducer"	<b>Dr. Ray Simmonds</b> , <i>NIST Colorado</i> "Towards single phonon control of an electromechanical system"	<b>Prof. Mika Sillanpää</b> , <i>Aalto University Finland</i> "Optomechanics with Josephson junction cavities"
12:30 - 15:00	Lunch & Break	(12:15) Lunch	Lunch & Break
		<b>14:00 Excursion Departure</b>	
15:00-15:40	<b>Prof. Raffi Budakian</b> , <i>University of Illinois</i> "Nanowire-Based Force-Detected MR: A Route to Spectroscopy and Imaging"	<a href="#">Excursion to Brissago Island on Lago Maggiore</a>	<b>Dr. Eva Weig</b> , <i>Konstanz University</i> "Coherent control of strongly coupled nanomechanical resonator modes"
15:45 - 16:25	<b>Prof. Peter Rakich</b> , <i>Yale University</i> "Stimulated Brillouin Scattering in Nanoscale Silicon Photonics"		<b>Prof. Alexander Hoegele</b> , <i>Ludwig Maximilians University Munich</i> "Tailoring nanoscale semiconductors for quantum optics"
16:25 - 16:55	Pause		Pause
17:00 - 17:40	<b>Prof. Lukas Novotny</b> , <i>ETH Switzerland</i> "Cooling and Amplification of a Vacuum-Trapped Nanoparticle"		<b>Dr. Olivier Arcizet</b> , <i>Institut Néel CNRS Grenoble</i> <b>TBA</b>
17:45 - 18:25	<b>Dr. Wolfram Pernice</b> , <i>Karlsruhe Institute of Technology</i> "Diamond optomechanical circuits"		<b>Prof. Martino Poggio</b> , <i>University of Basel</i> "Harnessing nuclear spin polarization fluctuations in a semiconductor nanowire"
18:30		Note that we will go directly for dinner after the excursion	19:00-19:30 Closing remarks and Award Session
19:00	Dinner	Conference Dinner at Albergo Losone	19:30 Dinner
21:00	<b>POSTER Session</b>		<b>21:30 POSTER Session</b>
<b>Thursday 25th July:</b>		<b>Departure day, (check-out latest 10:00 am)</b>	