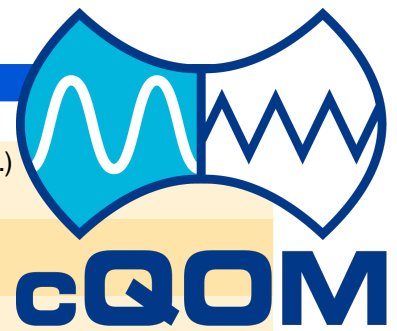


**cQOM ITN Workshop/Tutorial in Erlangen, October 7-9, 2013 [Lecture Hall F]**



<b>9:30</b> Opening remarks by Florian Marquardt		
<b>9:45-11:00</b> Lecture series (F.M.): The Theory of Cavity Optomechanics	<b>9:30-11:00</b> Talks (see separate schedule)	<b>9:30-11:00</b> Lectures (F.M.)
<b>11:00-11:30</b> Break	<b>11:00-11:30</b> Break	<b>11:00-11:30</b> Break
<b>11:30-12:30</b> Lectures (F.M.)	<b>11:30-12:30</b> David Vitali: Optomechanical Entanglement	<b>11:30-12:30</b> David Vitali: Optomechanical Entanglement
<b>12:30-14:00</b> Lunch break (Mensa)	<b>12:30-14:00</b> Lunch break (Mensa)	<b>12:30-14:00</b> Lunch break (Mensa)
<b>14:00-14:30</b> Transfer (public bus) to MPL	<b>14:00-15:00</b> Lectures (F.M.)	<b>14:00-15:00</b> Lectures <b>15:00-15:30</b> Discussion
<b>14:30-17:30</b> Visit at the Max Planck Institute for the Science of Light in Erlangen	<b>15:00-16:00</b> Poster Session	<b>15:30</b> Closing remarks, end of Erlangen part of Workshop
Talks about MPL research by: Vahid Sandoghdar, Nicolas Joly, Anna Butsch, and Josef Fürst; afterwards: lab tours	<b>16:00</b> Possible trip to Nuremberg	Transfer by train (self-organized) to Munich: Wed. evening or Thurs. morning

**15-min Talks (Tuesday morning):**

**Microwave to optical quantum conversion via crystalline WGM microresonators**

Clément Javerzac-Galy (EPFL)

**Quantum-Enhanced Electrical Feedback Actuation of a Microresonator**

Hugo Kerdoncuff (Univ. Denmark)

**Optomechanical arrays: Dirac physics, novel instabilities, and Gauge fields**

Vittorio Peano (Univ. Erlangen)

**On-chip Near-Field Optomechanical System**

Ryan Schilling (EPFL)

**Nonlinear classical dynamics and quantum dynamics in optomechanical arrays**

Steve Habraken (Univ. Erlangen)