

ETH Symposium on Quantum Engineering

(hosted by D-ITET)

April 14-15, 2015

ETH Hauptgebäude, HG E 3

Tuesday, April 14, 2015

- 08:30 - 9:15** Prof. Dr. Philip Walther, University of Vienna
"Quantum Photonics Technology: from fundamental tests to quantum simulations and feasible quantum cloud computing"
- 9:30 - 10:15** Dr. Mikko Möttönen, Aalto University
"Quantum Electronics Meets Dissipation"
- 10:15 - 10:45** Coffee Break
- 10:45 - 11:30** Prof. Dr. David Reilly, University of Sydney
"Engineering the Scale-up of Quantum Systems"
- 11:45 - 12:30** Dr. Christopher Eichler, Princeton University
"Exploring Quantum Many-Body Systems with Photons, Electrons and Spins on a Chip"

Wednesday, April 15, 2015

- 09:00 - 09:45** Prof. Dr. Leonardo DiCarlo, Delft University
"The Science and Engineering of Superconducting Circuits for Quantum Information Technology"
- 09:45 - 10:15** Coffee Break
- 10:15 - 11:00** Prof. Dr. Wolfgang Tittel, University of Calgary
"Rare-earth-ion based quantum technology: from quantum hard disks to single photon detectors"
- 11:15 - 12:00** Dr. Johannes Güttinger, ICFO
"Quantum Engineering with Low Dimensional Materials"