

# QCMC 2012



11<sup>th</sup> Intl. Conference on Quantum Communication,  
Measurement and Computing

Vienna, Austria

30<sup>th</sup> July – 3<sup>rd</sup> August 2012

## Scope of the Conference

Quantum Cryptography and Quantum Communications

Quantum Measurement and Quantum Metrology

Quantum Computing and Quantum Information Theory

Implementations of Quantum Information Processing and Quantum Simulations

Quantum Control

Foundations of Quantum Physics

Registration:

[www.qcmc2012.org](http://www.qcmc2012.org)

Deadline for abstracts:

**31. March 2012**

contact: [office@qcmc2012.org](mailto:office@qcmc2012.org)

## Invited Speakers

Patrice Bertet (CEA-Saclay, France)

Michel Brune (LKB-ENS, Paris, France)

Carlton M. Caves (University of New Mexico, USA)

Ignacio Cirac (MPQ, Munich, Germany)

Akira Furusawa (University of Tokyo, Japan)

Dmitry Gavinsky (NEC Princeton, USA)

Nicola Gisin (University of Geneva, Switzerland)

Vittorio Giovannetti (NEST, Pisa, Italy)

Philippe Grangier (CNRS / Institut d'Optique, Palaiseau, France)

Liang Jiang (IQI, Caltech, Pasadena, USA)

Dietrich Leibfried (NIST, Boulder, USA)

Vadim Makarov (IQC, University of Waterloo, Canada)

Gerard J. Milburn (University of Queensland, Brisbane, Australia)

Morgan Mitchel (ICFO, Barcelona, Spain)

Simone Montangero (University of Ulm, Germany)

Markus Oberthaler (University of Heidelberg, Germany)

Oskar Painter (Caltech, Pasadena, USA)

Jian Wei Pan (USTC, Hefei, China)

Herschel A. Rabitz (Princeton University, USA)

Renato Renner (ETH Zürich, Switzerland)

Christian Roos (University of Innsbruck / IQOQI, Austria)

Masahide Sasaki (NICT, Tokyo, Japan)

Christine Silberhorn (University of Paderborn / MPL, Germany)

Wolfgang Tittel (University of Calgary, Canada)

Vladan Vuletic (CUA, MIT-Harvard, Cambridge, USA)

Ian Walmsley (University of Oxford, United Kingdom)

Andrew White (University of Queensland, Australia)

Jörg Wrachtrup (University of Stuttgart, Germany)

Anton Zeilinger (University of Vienna / IQOQI, Austria)

## Organizing Committee

Jörg Schmiedmayer, Principal Chair (Vienna University of Technology, Austria)

Arno Rauschenbeutel, Co-Chair, (Vienna University of Technology, Austria)

Prem Kumar (ex-officio), (Northwestern University, USA)

Stephan Schneider, Organisation (Vienna University of Technology, Austria)

Markus Aspelmeyer (University of Vienna, Austria)

Rainer Blatt (University of Innsbruck / IQOQI, Austria)

Thorsten Schumm (Vienna University of Technology, Austria)

Rupert Ursin (University of Vienna / IQOQI, Austria)

Frank Verstraete (University of Vienna, Austria)

Philip Walther (University of Vienna, Austria)