

QUANTUM INFORMATION AND MEASUREMENT (QIM) V: QUANTUM TECHNOLOGIES

Rome, 4 - 6 April 2019

OSA
The Optical Society

**Deadline for abstract submission:
26 November 2018**

**Deadline for early registration fee:
30 January 2019**

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PLENARY SPEAKERS

Optomechanical systems

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Atomic systems

Immanuel Bloch, Max-Planck-Institut für Quantenoptik

Superconducting systems

Jay Gambetta, IBM

Quantum simulation using hybrid computing

Dieter Jaksch, University of Oxford

Ion traps

Dietrich Leibfried, NIST

Gravitational wave detectors

Nergis Mavalvala, MIT

Quantum communication and computing

Jian-Wei Pan, University of Science and Technology of China

Quantum photonics

Christine Silberhorn, University of Paderborn

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Nicolò Spagnolo, University of Rome La Sapienza

ORGANISING SECRETARIAT

 Scientific Communication srl
info@jeangilder.it

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Sara Ducci, Paris Diderot University (UP7)-CNRS

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Rob Thew, Université de Genève

Guglielmo Tino, LENS, University of Florence, INFN

Paolo Villorosi, University of Padova

Andrew G. White, The University of Queensland

TOPIC CATEGORIES

- Entanglement-enabled quantum technologies
- Quantum information processing and computing
- Precision quantum measurement and quantum metrology
- Non-classical light sources and novel detectors
- Quantum imaging
- Quantum sensors
- Integrated and on-chip quantum devices
- Quantum communication systems
- Quantum optics of light-atom interactions
- Quantum repeaters and quantum memory
- Quantum opto-mechanics
- Quantum spintronics devices and applications
- Quantum simulation

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www.quantumlab.it/qim2019

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