

Quantum NanoOptoMechanics

Wed, 2016-10-05 16:31 - [Ivan Favero](#) [1] **Website:**
<http://www.mpq.univ-paris7.fr/spip.php?article496&lang=en> [2]

Research Type: Experiment

Our research concerns nano-optomechanical sensors in the quantum and in the classical regime. At the core of our activities are semiconductor photonic/mechanic devices integrated on chip and interfaced with quantum systems (quantum dots, quantum wells), with fluids, and with more complex systems. Our scientific interests cover imaging techniques, mechanical entanglement, collective phenomena in optomechanics, and sensing beyond established limits.

- On-chip nanoscale optomechanical systems
- Optomechanical force measurements
- Optomechanics and Fluids

Leader: Ivan Favero

Location

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Paris 75013 France
48° 49' 42.618" N, 2° 22' 58.548" E

- [Quantum Metrology, Sensing and Imaging](#) [3]

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