

## Solid State Quantum Optics group

Mon, 2016-10-17 18:44 - [Pascale Senellart - Solid-state Quantum Optics Group](#) [1] **Website:** <http://www.lpn.cnrs.fr/fr/GOSS/BQM.php> [2]

**Research Type:** Experiment

Our research is devoted to the study and development of quantum functionalities in semiconductor systems using the nanofabrication techniques of opto-electronics. We develop high performances integrated sources of quantum light, non-linear devices operating at the single photon level, spin-based quantum memories and optomechanical platforms for quantum information processing.

**Leader:** Pr. Pascale Senellart

### Location

Center for Nanoscience and Nanotechnology Route de Nozay  
Marcoussis 91460 France  
48° 38' 32.8056" N, 2° 13' 47.5716" E

- [Quantum Communication](#) [3]
- [Quantum Control](#) [4]
- [Quantum Engineering](#) [5]
- [Quantum Computation](#) [6]
- [CHISTERA](#) [7]

**Source URL:** <http://qurope.eu/db/groups/solid-state-quantum-optics-group>

### Links:

[1] <http://qurope.eu/users/pascalesenellart>

[2] <http://www.lpn.cnrs.fr/fr/GOSS/BQM.php>

[3] <http://qurope.eu/category/vi/quantum-communication>

[4] <http://qurope.eu/category/virtual-facility/quantum-control>

[5] <http://qurope.eu/category/virtual-facility/quantum-engineering>

[6] <http://qurope.eu/category/virtual-institute/quantum-computation>

[7] <http://qurope.eu/category/projects/chistera>