Master QLMN : Quantum, Light, Materials and Nano Sciences

université PARIS-SACLAY

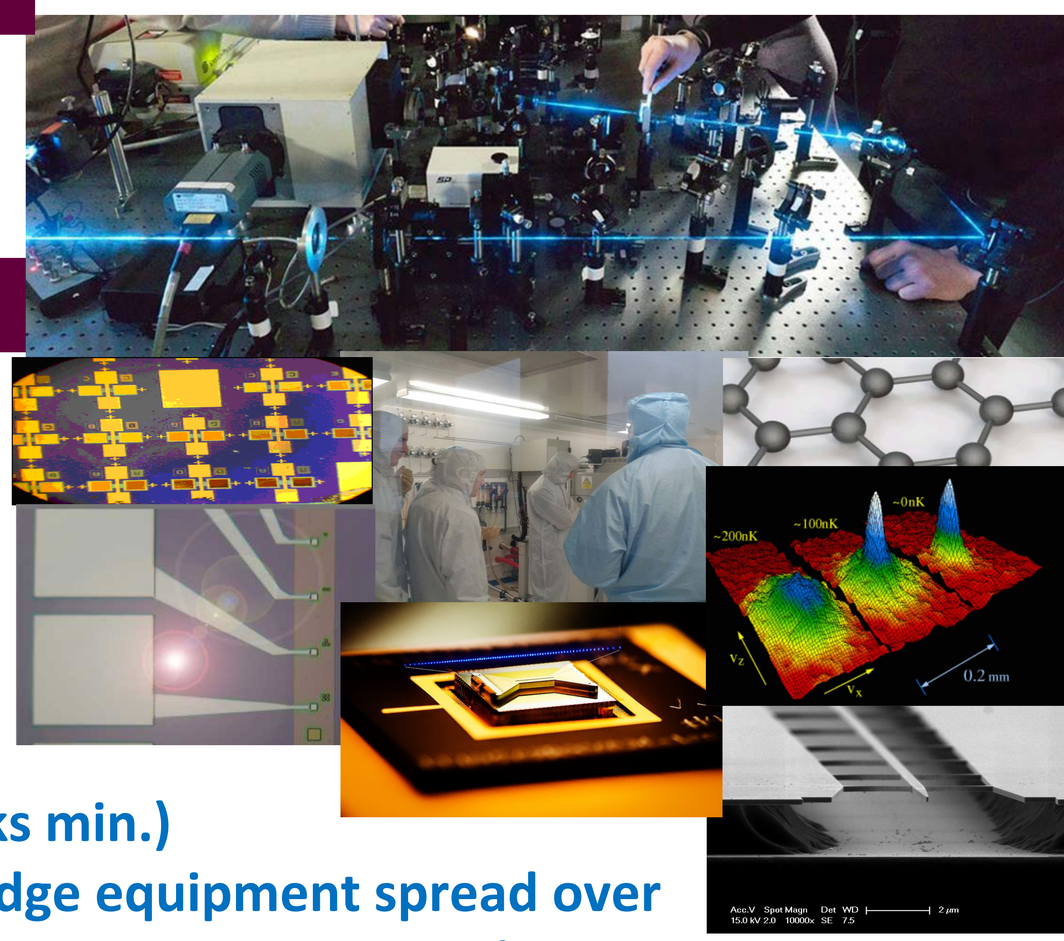
Graduate School : Physics

Graduate School : Engineering and Systems Sciences

https://www.master-qlmn.universite-paris-saclay.fr

Objective :

Training in the various fields of physics and nanosciences related to light, materials and quantum technologies



Organisation :

- **Transversal courses for fundamental concepts**
- **Choice between 3 orientations :**

Light and matter — **Condensed matter and its interfaces** — **Nanodevices and Technologies**

- **Research project / technological project**
- **Internship in an academic or industrial laboratory (18 weeks min.)**
- **Very strong experimental support: platforms and cutting-edge equipment spread over the different sites (Faculté des sciences, IOGS, ENS, CentraleSupelec, UVSQ, X…).**

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Key words :

- **Quantum Physics, Quantum Technologies, Statistical Physics,**
- **Nanostructures, Microtechnologies, Nanotechnologies,**
- **Cold atoms, Condensed matter theory, Quantum information,**
- **Light-matter interaction, Non-linear electromagnetism,**
- **Quantum Transport, Nanoelectronics, Semiconductors,**
- **Physico-chemistry, Materials, Elaboration,**
- **Lasers, Quantum Information and Telecommunications,**
- **Microscopies, Spectroscopy, Imaging,**
- **Nanophotonics, Spintronics, Deep-learning, Bio-sciences**

Connection with exceptional research facilities across the partners laboratories :

Academic partners :