

Ph.D. - Complex Photonic Networks.

Applications are invited from EU nationals for a Ph.D. studentship in **experimental nanophotonics** at King's College London.

You will study the **coherent interaction of light with nanoscale photonic systems**; a combination of nano-optics, quantum optics and photonics of complex systems.

The challenge is to achieve ultimate control of light emission from individual emitters to realize **complex photonic networks** exploiting quantum and coherent effects. The project builds on the latest advances in nanophotonics, plasmonics and photonic crystal science, which gives powerful tools to control light-matter interaction at the nanoscale.

We are seeking an enthusiastic PhD student to undertake experimental research. The project involves design, nanofabrication and optical studies.

The successful candidate should have a degree in physics, or material science. Independent thinking and multidisciplinary attitude is sought.

The starting date is negotiable but before October 2012.

The project is based at Experimental Biophysics and Nanotechnology Group at King's College London (www.kcl.ac.uk/physics). For further details contact Dr. Riccardo Sapienza at riccardo.sapienza@kcl.ac.uk.