

University of Paris – Quantum Materials and Phenomena (MPQ) POSTDOCTORAL POSITION IN EXPERIMENTAL NONLINEAR NANOPHOTONICS

We are looking for an exceptional candidate for a Postdoc position in experimental nonlinear nanophotonics. Working with a team of top researchers in nonlinear and quantum optics at the nanoscale, the candidate will develop advanced experimental setups and measurements from continuous-wave to femtosecond regime, to reach forefront goals with nonlinear optical metasurfaces.¹

In addition to working collaboratively within a multi-disciplinary team, the successful candidate will also mentor and oversee the activities of a graduate student.

Coordinated by Prof. Giuseppe Leo, the Nonlinear Devices Group at the MPQ Laboratory of Université de Paris offers exciting opportunities to carry out high-level research with several international partners like: CNRS, CEA and Thales (France); Politecnico di Milano, King's College London, Brescia and Jena universities (Europe); and the Australian National University.

QUALIFICATIONS

The successful candidate will have a PhD in Physics or a related field, with deep knowledge of optics and photonics. Besides fluency in both spoken and written English or French, experience in experimental nanophotonics is required, with possible complementary skills in computational nanophotonics or nanofabrication. Strong problem solving skills – and motivation to work collaboratively while demonstrating initiative in challenging research – are essential.

The position offers competitive compensation within the EU FET-OPEN Project Metafast, and the opportunity to participate in international conferences and present research findings to the scientific community. Start in October-December 2020.

To apply for this opportunity, please send your CV, cover letter and references to giuseppe.leo@u-paris.fr

ABOUT UNIVERSITÉ DE PARIS

Université de Paris (UP) is France's leading multidisciplinary university. It covers a wide range of disciplines, with one of the most comprehensive and ambitious educational offerings available in the world. UP is part of the incarnation of a world city, aware of its place and missions, open to youth and knowledge. Born in 2019 from the merger of the universities of *Paris Diderot*, *Paris Descartes* and *Institut de physique du globe de Paris*, the ambition of UP is to lead and develop an exceptional potential to meet the challenges of tomorrow's society. With a recognized international standing (22nd for Maths and 24th for Physics in Shanghai Ranking), as well as a strategic portfolio of privileged academic partners throughout the world, it offers its students state-of-the-art, innovative courses in the following fields: Science and Technology; Arts, Humanities and Languages; Human, Economic and Social Sciences; Medicine, Dentistry, Pharmacy and Nursing. Between history, prestige and modernity, Université de Paris is fully integrated into its urban environment.

¹ C. De Angelis, G. Leo, D. Neshev Eds., "Nonlinear Meta-Optics", CRC Press - Taylor & Francis (2020).

