

New European project: OPTAPHI

Optical Sensing using Advanced Photo-Induced Effects

A total of 14 Double-Degree PhD Positions are available within the OPTAPHI Marie Skłodowska-Curie Network. This is an exciting opportunity to be an **MSC Fellow** (Early Stage Researcher) with accompanying generous salary and benefits, study in **2 European countries** (Ireland/Italy/Austria/France), and be awarded a **double Ph.D. degree** from 2 institutions (Double Doctorate/co-tutelle). Fellowships are for a maximum of 36 months; each ESR will be recruited for the full 36 months by one partner institute, and will spend a minimum of 1 year at a second co-host partner. Applicants must meet the MSCA mobility and eligibility rules. Successful candidates will undertake an exciting, multi-disciplinary research project combining spectroscopy with laser design and fabrication, and will be part of a diverse team of 14 ESR Fellows working towards common goals, with network-wide training events.

The OPTAPHI partners are: Cork Institute of Technology (Ireland), Politecnico di Bari (Italy), Università degli studi di Bari Aldo Moro (Italy), Technische Universität Wien (Austria) and Université de Montpellier (France).

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For more information and details on all the PhD positions available, see:

www.optaphi.eu.

https://www.optaphi.eu/wp-content/uploads/OPTAPHI_Full_Prospectus.pdf

https://www.optaphi.eu/wp-content/uploads/OPTAPHI_Full_Prospectus_printer_friendly.pdf

Université de Montpellier will hire 3 ESR fellows on the following projects:

- **Project 1.4:** Long-wavelength QCLs for BTEX and propane detection through QEPAS (Contact: Dr. A.N. Baranov, alexei.baranov@umontpellier.fr).
- **Project 3.4:** Hybrid III-V lasers on silicon for low-cost MIR gas sensing (Contact: Prof. Eric Tournié, eric.tournie@umontpellier.fr).
- **Project 3.5:** Single-mode interband cascade lasers for petrochemical process monitoring (Contact: Dr. Laurent Cerutti, laurent.cerutti@umontpellier.fr).

Application should be done on line at www.optaphi.eu.