DO NOT MISS THE QUANTUM LEAP!

We are looking for non-academic members to complete our European network

LEONIDAS
Quantum Light Emitters in Silicon: Complex Defects for Nanophotonics

MARIE SKŁODOWSKA-CURIE ACTIONS

Innovative Training Networks (ITN) Call: H2020-MSCA-ITN-2018

If your company works on silicon-based devices, doping, ion-implantation, lithography, NIR optical spectroscopy, electronic microscopy, telecommunications, software development/simulations **JOIN US IN THE FIRST EUROPEAN RESEARCH NETWORK ON SILICON-BASED QUANTUM PHOTONICS**.

Why joining LEONIDAS?

- Get the best PhD students to work in your company for 3 years
- Work in close collaboration with top-level physicists in Europe
- File potentially disruptive patents
- Have access to state-of-the-art facilities for your R&D (TEM, S-TEM, SEM, AFM, EDX, SIMS, CV, DLTS, I-V, FTIR, XPS, HRXRD, CVD, MBE, ultra-fast spectroscopy, optical and e-beam lithography, RIE, simulation tools, and much more).
- Find potential customers for your products
- Find potential future employees for your company

Contact us: Marco Abbarchi (marco.abbarchi@im2np.fr)

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Who are we?

1	Aix-Marseille Université	France	IM2NP CNRS	Prof. M. Abbarchi
2	University of Florence	Italy	Dept. Physics and Astronomy	Prof. A. Vinattieri
3	University of Montpelier	France	Laboratory C. Coulomb, CNRS	Prof. G. Cassabois
4	Eindhoven University of Technology	The Netherlands	Applied Physics	Prof. P.M. Koenraad
5	Linnaeus University	Sweden	Physics & Electrical engineering (IFE)	Prof. C.M. Canali
6	University of Pavia	Italy	Department of Physics	Prof. D. Gerace
7	Single Quantum	The Netherlands		Dr. G. Bulgarini
8	Institute for photonics and nanotechnologies	Italy	CNR	Dr. M. Bollani
9	Ecole Centrale de Lyon	France	Institut de Nanotechnologies de Lyon, CNRS	Prof. H. S. Nguyen
10	University of Leipzig	Germany	Dept. Nuclear Solid State Physics	Dr. S. Pezzagna
11	University of Oslo	Norway	University of Oslo	Prof A. Kuznetsov
12	Politecnico, University of Milan	Italy	Physics Department	Prof. M. Finazzi
13	MicroFabSolutions s.r.l.	Italy		Dr. Paolo Conci
14	French Atomic Energy Commission	France	Institut de Nanoscience et Cryogénie	Prof. J.-M. Gérard
15	Springer Nature	UK	Nature	Dr. L. Fleet

We aim at creating an European research ITN network for the training of young scientists in the research field of quantum photonics based on silicon devices. We will provide to the PhDs an overview over silicon devices from the fundamental issues of Si purification and growth, ending up at the pinnacle of the modern communication era: quantum computation and information processing. The use of a silicon platform and the involvement of industrial members are strategic assets of the ITN: the implementation of the research program will lead to new science and new applications of tremendous relevance in semiconductor physics, devices and applications. LEONIDAS will train 15 PhDs in the field of Si-based nano-structures, photonics and electronics towards the implementation of quantum devices. The trainees will be exposed to ideas, methods and issues relevant to the largest world-wide semiconductor market, offering them a wide spectrum of choices in their careers in academia and in the private company sectors (e.g. photovoltaics, transistors, cameras, detectors, mobiles and much more).

IN THE LAST H2020 CALL (2017) THE LEONIDAS PROJECT GOT THE VERY HIGH SCORE OF 94.2% BUT WAS NOT FINANCED. WE NEED YOUR VALUABLE CONTRIBUTION TO THE NETWORK EXCELLENCE!