

ERASMUS Mundus

Master Program Europhotonics (EMMC)



Join one of the most challenging fields in Science of the 21st century and perform your Master studies in Marseille, Karlsruhe and Barcelona.

Photonics is constantly growing and brings together today a large range of interdisciplinary activities, with either immediate or long term social and economic outcomes and plays a key part in the discovery of new processes in nature and novel technologies.

The EUROPHOTONICS Master Course program accomplishes top level training and teaching for young scientists. It offers fellowships and mobility possibilities within the EUROPHOTONICS consortium institutions for EU and non-EU students.

An extensive two-year Master level teaching program is focusing on advanced research and applied topics that will constitute the near and extended future scientific goals in the field of Photonics Engineering, Nanophotonics and Biophotonics, with interdisciplinary applications. Master students benefiting from this program will be able to work on today's new challenges in their academic or applied research careers.

Keyfacts

- Language of instruction: English
- Yearly summer school
- Intake: winter term each year, program start in October
- Scholarships are available for outstanding candidates
- Multiple M.Sc. degrees are awarded from at least 2 universities

Program & mobility structure

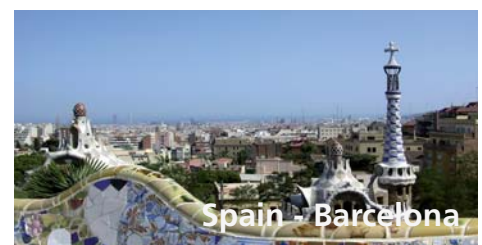
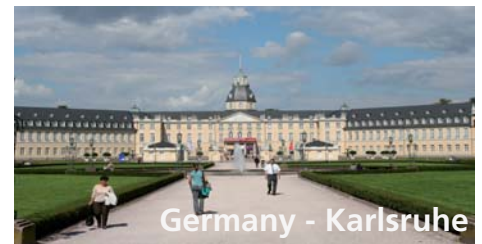
- 1st semester: Fundamentals (Marseille)
- 2nd semester: Core Subjects & Industry Internship (Karlsruhe)
- 3rd semester: Specialization (Karlsruhe, Marseille or Barcelona)
- 4th semester: M.Sc. thesis (Karlsruhe, Marseille or Barcelona)

Apply on:

www.europhotonics.org

Application deadline:

January 20th (Non-EU students)
May 1st (EU students).



Partner Universities and Research Institutes:

GERMANY: Karlsruhe Institute of Technology (KIT) | Karlsruhe School of Optics & Photonics (KSOP)

FRANCE: Université Paul Cézanne Aix-Marseille | Institut Fresnel | Laboratoire Lasers Plasmas et Pro-cède Photoniques (LP3) | Laboratoire d'Astrophysique de Marseille (LAM) | Physique des Interactions Ioniques et Moléculaires (PIIM)

SPAIN: Universitat Politècnica de Catalunya, Barcelona | Universitat de Barcelona | Universitat Autònoma de Barcelona | Institut de Ciències Fòtoniques (ICFO)



ERASMUS Mundus

Joint Doctorate Program Europhotonics (EMJD)

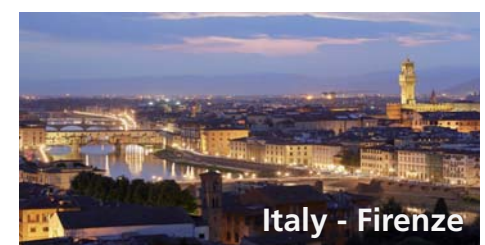
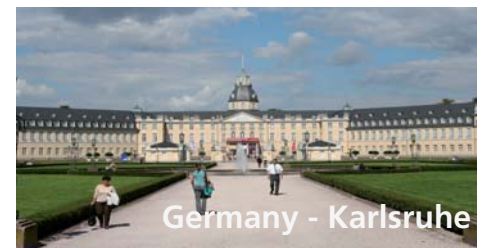


Perform your Ph.D. thesis in a European high-level research consortium and manage coming challenges in Photonics Engineering, Nanophotonics and Biophotonics.

Photonics is constantly growing and brings together today a large range of interdisciplinary activities, with either immediate or long term social and economic outcomes. It plays a key part in the discovery of new processes in nature and novel technologies.

The EUROPHOTONICS Doctorate Program is based on a cooperation of excellent research institutes and universities, with the goal to involve Ph.D. students in cutting-edge research projects profiting from the variety between the partners.

Ph.D. candidates work under a joint supervision by at least one project-leading and one collaborative laboratory in two states. At least one semester will be spent in each of the co-supervising institutions. The students will follow two weeks of training units per semester to obtain the doctorate diploma after the thesis defense.



Keyfacts

- Double doctoral degree, awarded by 2 institutions
- Career exploratory support
- Scholarships are available for outstanding candidates
- Application on open positions or unsolicited application possible

Program & mobility structure

- Management modules: transferable skills training related to research & industry
- Scientific modules: participation at international meetings, conferences & schools
- Technical modules: scientific knowledge for research conduction

Apply on: www.europhotonics.org (see open Ph.D.projects)

Application deadline: February 15th

Partner Universities and Research Institutes:

GERMANY: Karlsruhe Institute of Technology (KIT) | Karlsruhe School of Optics & Photonics (KSOP)

FRANCE: Institut Fresnel, Université Paul Cézanne Aix-Marseille

SPAIN: Universitat Politecnica de Catalunya, Barcelona | Universitat de Barcelona | Universitat Autònoma de Barcelona | Institut de Ciències Fòtoniques (ICFO)

ITALY: European Laboratory for Non-Linear Spectroscopy, Università degli Studi di Firenze (LENS)

