Sébastien FORGET

Organic Photonics Group, Laser Physics Lab, Sorbonne Paris Nord University
Research ID : ORCID, Google Scholar
Sebastien.forget@univ-paris13.fr

EMPLOYMENT

2005 - now	**Associate professor,** Sorbonne Paris Nord University, Laser Physics Laboratory. Habilitation à Diriger des Recherches (HDR) since 2017 *Research topics: organic photonics (organic lasers, organic light-emitting diodes)*
2004 – 2005	**Post-Doc position,** University of Paris, Laboratoire Matériaux et Phénomènes Quantiques, *Research Topic*: *Quantum cascade lasers*
2003 - 2004	**Post-Doc position** at Paris 11 University, Institut d'optique graduate school, Laboratoire Charles Fabry *Research Topic*: *passively Q-switched microlasers, thermal imaging for lasers*

EDUCATION

2017	**Habilitation à diriger des Recherches (HDR), Sorbonne Paris North University** *"Solid State organic lasers"*
2003	**PhD in Laser Physics, Université Paris 11, Institut d'Optique Graduate School** *« High repetition rate picosecond laser sources in the UV »*
1998-1999	Master « optics and photonics », Paris 11 University
1995-1998	Ecole Centrale de Marseille (engineering school in physics, with specialization in Optics)

INSTITUTIONAL RESPONSIBILITIES

Elected Member of the "Conseil National des Universités" (CNU, National University Council, section 30 "optics and diluted matter"): 2015-2019 and 2020-2024
Elected Member of the Expert Commitee in charge of recruitement and promotions at Sorbonne Paris North university ("Optics and diluted matter" section (30)). Vice president: 2008-2018, member : 2019-2024.
Nominated Member of the Expert Commitee at Institut d'Optique Graduate School, Paris 11 University (2015-2020).
Elected member of the LPL Lab Board (2014-2018)
Communication manager for the LPL between 2009 and 2014

GRANTS AND FUNDINGS (selection)

PI of the ANR "PULSE" Grant (2020-2024, 380 k€)
PI of the ANR "VECSPRESSO" Grant (2012-2014, 250 k€)
co-PI of the ANR "BACHELOR" Grant (Young researcher, 2008-2010, 150 k€)
Member (Local PI or Workpackage Leader) of the ANR projects EDELVEIS (2012-2016, 450 k€) and NEWLIGHT (2021-2025, 600 k€)
IEA (International Emerging Actions) with Kyushu University (several months spent in Japan, with JSP-ERATO Funding, in C.Adachi's Lab)
+ smaller grants from LABEX SEAM, CNRS, Sorbonne Paris Nord University (BQR), C-nano...

PhD STUDENT SUPERVISION

Supervison of 8 PhD Students: 2 as main supervisor (Directeur de thèse), 6 as co-supervisor

COMMITTEE AND BOARDS

- Vice president (2013-2019), then President (2020-...) of the scientific board of the french conference "Horizons de l'Optique" (Societé Française d'Optique).
- Member of several selection committee for assistant professor recruitement at Paris 7, Paris 11 and Paris 13 universities

REVIEWING ACTIVITIES

- Expert for the OMNT (Observatoire des Micro et Nanotechnologies)
- Scientific Expert for ANR (French research agency), ERC (European Research Council), NSERCC (Natural Sciences and Engineering Research Council of Canada)

AWARDS

- Arnulf-François Prize (French Optical Society) in 2021 for the MOOC "la Physique, vive[z] l'expérience"
- Finalist of the Jean Jerphagnon Prize (2012)
- Finalist of the science popularization price "le gout des sciences" (2010)

TEACHING AND POPULARIZATION OF SCIENCE

- Associate director ("directeur des études") of the engineering school "Sup Galilée –Energetics" at Sorbonne Paris North University. Also responsible of the 2nd year (Bac+4). Around 200 h annual teaching hours, for students between Bac+1 and Bac+5 (corresponding to students between 18 and 23 years old): Electronics, Wave propagation, general Optics, Laser, Signal, Photometry and Radiometry, Solar Energy...
- Conception and realization of the MOOC "la physique, vive[z] l'expérience" at Sorbonne Paris North University (with C.Daussy and S.Chénais), broadcasted in 2018, 2019 and 2020, on FUN platform. Audience for the first session was around 4000 people and around 11 hours of video were produced. Topics: Invisibility, 3D vision, Gravity and Levitation, Green engines, communication at the speed of light. Each topic lasts one week and is leaning on experimental demonstration and active participation of the audience, through forums, quiz and "home-made" experiments posted on-line by the participants.
- Member of the board of the "optics4engineers" / "optique pour l'ingénieur". The project was to provide free on-line lectures and e-learning in optics: http://www.optics4engineers.org/ On-line courses: optical resonators and Gaussian beams, laser: fundamentals, lasers and applications (around 200 slides, in french), OLEDs (in French and in English)
- Member and Webmaster of the Atouts Science organization (https://www.atouts-sciences.org/) Creation and presentation (each year for the National French event "Fête de la Science") of numerous science experiments for a broad audience.
- Numerous mainstream conferences and papers, especially about lasers (history, scientific principle and role in fictional works)

CONFERENCE AND WORKSHOP ORGANIZATION

- Member of the scientific organization board of the french conference Optique Bretagne 2015, Optique Bordeaux 2016, Optique Toulouse 2018 , Optique Dijon 2021, Optique Nice 2022 (each time around 500 participants).
- Member of the local organization board of the french conference "Optique Paris 13"(2013)