

Claire BOYER

Maîtresse de conférences (classe normale)

LPSM, Laboratoire de Probabilités, Statistique & Modélisation

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📄 <https://perso.lpsm.paris/~cboyer/>

Education

2015 PhD. degree, [Université Toulouse III](#)

Advisors: Jérémie Bigot & Pierre Weiss

2012 Engineer degree with specialization in mathematical modeling , [INSA Toulouse](#)

2012 Master II Research in applied maths, [Université Toulouse III](#)

2011 "Agrégation de mathématiques"

Career

2020-22 Associate researcher in the MOKAPLAN team, [Inria Paris](#)

2017-20 Associate member in the maths department, [ENS Ulm](#)

2016- Associate "maître de conférences", [Sorbonne Université](#)

2015-16 ATER (research and teaching assistant, full time position), [INSA Toulouse](#)

2012-15 PhD student, Institut de Mathématiques de Toulouse, [Université Toulouse III](#)

International

- PIMS Distinguished Visitor [Simon Fraser University, Vancouver](#), 2 months (2017)
- Visiting researcher, Hausdorff Trimester Program, Mathematics of Signal Processing, [Bonn](#), 2 mois (2016)
- Scientific jury, ISF program, [Israel](#) (2019)
- Scientific jury, DFG program, [Germany](#) (2018)
- Significant international talks: FoCM 2023; Fields Institute of Toronto (2022); Statlearn (Cargese, 2022); Seminar in John Hopkins (Baltimore, 2022); MFO Oberwolfach (2021,2018); Cambridge (2018,2019); CIRM Luminy (France, 2022, 2021, 2020,...); EMS (Palermo,2019); ICIAM (Valencia, 2019); Seminar in University of British Columbia (Vancouver, 2017)
(the complete list can be found [here](#))

Responsibilities

2019- Head of the Master 2 of Statistics, Sorbonne Université (SU)

2019- Coordination of teaching vows in statistics, SU

2017- Elected member to UFR board, SU

2021- Elected member to ISUP board (also during 2016-2017), SU

2020- Equality referent for mathematics, SU

2022- Scientific committee for PGMO (Programme Gaspard Monge pour l'Optimisation, la recherche opérationnelle et leurs interactions avec les sciences des données)

2021- Steering committee of Fondation des Sciences Mathématiques de Paris (FSMP)

2021- Co-head of the PGSM program of the FSMP, for the awarding of scholarships for excellence at the master's level (~ 1200 applications / year)

Peer-reviewing activities

[Journals] Ann. Stat., Bernoulli, ACHA, IEEE Information Theory, IEEE Transactions on Signal Processing, Signal Processing, SIAM Journal on Imaging Sciences, Cambridge University Press

[Conferences] NIPS/NeurIPS, ICML, SampTA, EUSIPCO

Hiring committee for Assistant Professor

11 committees over 5 ans in the fields of optimization, statistics, image processing, machine learning

9 PhD juries over 4 years in statistics machine learning, optimization

Awards

2018-22 Research award (+1200€/year), Sorbonne Université

2015 Adrien Gaussail prize for a PhD in maths

2015 EEA-GRETSI-ISIS prize for a PhD in signal/image processing

Seminars and workshops organizer

2023 **FoCM international conference**, Paris

2022 Workshop "**Learning and Optimization in Luminy**", Luminy-CIRM

2020 Workshop "**Optimization for Machine Learning**", Luminy-CIRM

2019 Summer school "**High dim probability and algorithms (HDP2019)**", ENS Ulm

2018- Seminar of statistics shared between SU & Université Paris-Cité

Research grants

2021 Emergence project, Sorbonne Université, PI : Claire Boyer ($\sim 60\,000\text{€}$)

2020 Emergence(s) project, Ville de Paris, PI : Claire Boyer ($\sim 200\,000\text{€}$)

Scientific mediation

2021 Mentoring, NeurIPS in Paris

2019- Scientific expert for creating a scenario of augmented reality on the theme of AI, Maison des Mathématiques

Professional training: Participated in setting up 2 professional education courses at SU since 2018, and conducted workshops at EXED.

Outreach presentations

2022 Mathematik Park, Institut Henri Poincaré

2019 "Mathématique : nom féminin ?" ENS Ulm

2018 "Maths en mouvement 2018 - Fourier aujourd'hui", Institut Henri Poincaré