

LUC BROGAT-MOTTE

Postdoctoral researcher in machine learning ◊ luc.brogat.motte@gmail.com

EDUCATION

- ENS Paris-Saclay** 2018-2019
M.S. MVA Mathématiques, vision, apprentissage.
With honours 16.8/20.
- Télécom Paris, Engineering School** 2016-2019
Machine learning.
Probability theory, statistics, scientific computing.
GPA : 3.98 / 4.
- Lycée Marcelin Berthelot, CPGE MPSI/MP*** 2013-2016
Preparatory classes : undergraduate intensive course in mathematics and physics.

EXPERIENCE

- Postdoc on estimation of continuous-time stochastic dynamical systems** 2025-
Supervised by Lorenzo Rosasco (MaLGa, University of Genoa, Italian Institute of Technology).
- Postdoc on estimation of controlled stochastic differential equations** 2023-2025
Supervised by Riccardo Bonalli (L2S, CentraleSupélec), and Alessandro Rudi (SIERRA team, INRIA Paris).
- PhD in Mathematics and Computer Science, Télécom Paris** 2019-2023
Statistical learning theory, kernel methods, optimal transport.
Awarded the Best PhD Thesis Accessit by CSDAI at Institut Polytechnique de Paris (2024).
- Reviewer for international machine learning journals and conferences** 2019-
JMLR, SIAM Journal on Mathematics of Data Science (SIMODS), Artificial Intelligence Journal (AIJ), NeurIPS, AISTATS, ECML PKDD.
- Teaching assistant, Télécom Paris** 2019-2023
Teaching tutorials and creating original practical sessions in statistics and machine learning.
- Master research intern, Télécom Paris and Aalto University** April - Sept. 2019
Learning output representations in structured prediction with application to molecule prediction problems.
- Digital Technician at National Institute of Integrative Medicine, Melbourne** July 2017
Web development, computer graphics, and hardware installation.

PUBLICATIONS

- Safely Learning Controlled Stochastic Dynamics.** (Preprint)
Luc Brogat-Motte, Alessandro Rudi, Riccardo Bonalli.
- Learning Controlled Stochastic Differential Equations.** (Preprint)
Luc Brogat-Motte, Riccardo Bonalli, Alessandro Rudi.
- Sketch In, Sketch Out: Accelerating both Learning and Inference for Structured Prediction with Kernels.** (AISTATS 2024)
Tamim El Ahmad, Luc Brogat-Motte, Pierre Laforgue, Florence d'Alché-Buc.
- Learning to predict graphs with fused Gromov-Wasserstein barycenters.** (ICML 2022)
Luc Brogat-Motte, Rémi Flamary, Céline Brouard, Juho Rousu, Florence d'Alché-Buc.
- Vector-valued least-squares regression under output regularity assumptions.** (JMLR 2022)
Luc Brogat-Motte, Alessandro Rudi, Céline Brouard, Juho Rousu, Florence d'Alché-Buc.

Duality in RKHSs with Infinite Dimensional Outputs: Application to Robust Losses. (ICML 2020)

Pierre Laforgue, Alex Lambert, Luc Brogat-Motte, Florence d'Alché-Buc.

SELECTED PRESENTATIONS

Isaac Newton Institute, Cambridge, UK

July 2025

Invited seminar, "Representing, calibrating & leveraging prediction uncertainty" workshop.

IDIA-IP Paris Day, École Polytechnique, Palaiseau

June 2024

Presentation as recipient of the CSDAI Best PhD Thesis Accessit (runner-up).

ICML 2022, Baltimore, USA

July 2022

5-minute oral and poster presentation.

IDIA-IP Paris Day, École Polytechnique, Palaiseau

June 2022

Poster presentation.

ELLIS Theory Workshop, Arenzano, Italy

July 2022

Poster presentation.

UMR MIA Seminar, AgroParisTech, Palaiseau

June 2022

Research seminar talk.

LIKE22 Workshop

January 2022

Contributed talk.