

*Postdoctoral researcher in machine learning
and game theory*

Education & Positions

- 2019 – 2020 **ENS Paris-Saclay & EDF**, *Postdoctoral researcher*.
2018 – 2019 **Université Paris Dauphine**, *Research and teaching assistant*.
2015 – 2019 **Toulouse School of Economics**, *Ph.D. in applied mathematics*.
◦ Ph.D. Thesis: *On dynamic games: stochastic games, search games and information provision*, under the supervision of Pr. Jérôme Renault
2014 – 2015 **Sorbonne Université & École Polytechnique**, *Master Mathematical Modeling*, Majoring in Optimization, Game Theory and Dynamics, graduated summa cum laude.
◦ Master's Thesis: *On the operator approach in repeated games*, under the supervision of Pr. Rida Laraki and Pr. Olivier Gossner, École Polytechnique
2012 – 2015 **École Nationale Supérieure de Techniques Avancées – ENSTA ParisTech**, *Grande École*, Majoring in Optimization, Control and Operations Research.
◦ Research project: *Sparse optimization problems*, under the supervision of Pr. Amir Beck, Israel Institute of Technology – Technion
2010 – 2012 **Lycée Henri IV Paris**, *Classe Préparatoire aux Grandes Écoles*, Mathematics and Physics.

Research papers

- Continuous Patrolling and Hiding Games**, *European Journal of Operational Research* 277 (2019) 42-51.
Communicating Zero-Sum Product Stochastic Games, *Journal of Mathematical Analysis and Applications* 477 (2019) 60-84.
When Sally Found Harry: A Stochastic Search Game, with Pr. Marco Scarsini, submitted.
Dynamic Information Provision with Observed Return on Investment, with Pr. Jérôme Renault, in progress.

Presentations

- 2019 LSE - Warwick Workshop on Search Games, *London*
Congrès SMAI 2019, *Guidel Plages*
Workshop on Theory and Algorithms in Graph and Stochastic Games, *Mons*
2018 PGMO Days, EDF'Lab, *Paris-Saclay*
Université Paris Dauphine, CEREMADE Ph.D. seminar, *Paris*
Aix-Marseille School of Economics, Interaction seminar, *Marseille*
9th International Workshop on Applied Probability, *Budapest*
Roman Games 2, *Università La Sapienza, Rome*
SMAI MODE Days, Short talk & poster, *Autrans*
2017 LUISS, Department of Economics and Finance seminar, *Rome*
Workshop on Dynamic Games: discrete and continuous time, *Fréjus*
Summer School on Network Theory, *Roscoff*
Ph.D. Game Theory Seminar, *Institut Henri Poincaré, Paris*
Workshop on Search Games and Rendezvous, *WBS Shard Campus, London*

- 6th Workshop on Stochastic Methods in Game Theory, Short talk & poster, *Erice*
2016 Ph.D. Game Theory Seminar, *Institut Henri Poincaré, Paris*
2015 Ph.D. Game Theory Seminar, *Institut Henri Poincaré, Paris*

Research stays

- 2017 – 2018 **LUISS**, *Rome*, Invited by Pr. Marco Scarsini, 2 months.

Teaching

- 2018-2019 **Université Paris Dauphine**, *Teaching Assistant*.
◦ Differential calculus and optimization
◦ Real analysis
- 2015-2018 **Toulouse School of Economics**, *Teaching Assistant*.
◦ Game theory
◦ Linear algebra and real analysis, *oral exams*
◦ Linear algebra for economists
◦ Real analysis for economists
- 2016-2018 **Université Paul Sabatier**, *Teaching Assistant*.
◦ Combinatorics and graph theory, *oral exams*
◦ Hippocampe maths, *introducing high school students to mathematical research*

Referee reports

Annals of Operations Research, European Journal of Operational Research, International Journal of Game Theory, Journal of Applied Probability