

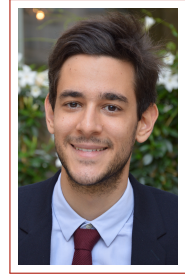
Tristan GARREC

✉ tristan.garrec@ut-capitole.fr

📄 tristangarrec.github.io

French nationality

Born March 17, 1992



Postdoctoral researcher in game theory

Positions & Education

- 2019 – 2020 **ENS Paris-Saclay & EDF**, *Postdoctoral researcher*.
◦ *Learning in repeated auctions with applications to smart grids*, under the supervision of Pr. Vianney Perchet, Olivier Beaudé & Pierre Gruet
- 2018 – 2019 **Université Paris Dauphine**, *Research and teaching associate*.
- 2015 – 2019 **Toulouse School of Economics**, *Ph.D. in applied mathematics*.
Awarded the PGMO Ph.D. Award
◦ 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 **ENSTA Paris – École Nationale Supérieure de Techniques Avancées**, *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, European Journal of Operational Research 283 (2020) 783-794.

Making the most of your day. Online learning for optimal allocation of time, with Pr. Vianney Perchet and Pr. Marco Scarsini, submitted.

Dynamic Information Provision with Observed Return on Investment, with Pr. Jérôme Renault, working paper.

Presentations

- 2020 7th Workshop on Stochastic Methods in Game Theory, *Erice*
- 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

- 2020 **ENSTA Paris**, *Lecturer*.
 ◦ Introduction to game theory
- 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, Games and Economic Behavior, International Journal of Game Theory, Journal of Applied Probability