

Henri GÉRARD

PhD Student at *École des Ponts ParisTech*



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Education

- Since Nov. 2015 **PhD at École des Ponts ParisTech**, *Champs-sur-Marne*, France.
2015 PhD in Applied Mathematics under the supervision of Michel De Lara and Jean-Christophe Pesquet.
Subject: "Decomposition and coordination of large scale stochastic optimization problems with risk measures".
◦ submitted paper : "Equivalence between time consistency and nested formula"
- Oct. 2016 **PhD Exchange at University of Auckland**, *Auckland*, New-Zealand.
Apr. 2017 Exchange under the supervision of Andy Philpott. Subject : "Risk in Game Theory".
◦ published paper : "On risk averse competitive equilibrium"
- 2014-2015 **Master 2 at Conservatoire National des Arts et Métiers**, *Paris*, France.
M.Sc. in Operations Research (MPRO). Joint Master between École Polytechnique and Télécom ParisTech.
- 2012-2015 **Master 1 at Télécom ParisTech**, *Paris*, France.
Bachelor of Science in Computer Science and Applied Mathematics.
- 2010-2012 **MPSI/MP* at Lycée Sainte Geneviève**, *Paris*, France.
Preparatory Classes for Great Engineering Schools.

Speaker at International Conferences

- May 2017 **Smart Energy and Stochastic Optimization**, *Paris*, France.
Dec. 2016 **Operation Research Society of New Zealand**, *Auckland*, New-Zealand.
July 2016 **International Conference on Stochastic Programming**, *Buzios*, Brasil.

Academic and Teaching Experiences

- Since 2017 **École des Ponts ParisTech**, *Champs-sur-Marne*, France.
Teaching Assistant in Optimization for third-year students and for fourth-year student.
- 2014 - 2015 **Université Paris-Dauphine**, *Paris*, France.
Teaching Assistant in Optimization for first-year students.
- Apr. 2015 **École des Ponts ParisTech**, *Champs-sur-Marne*, France, Research intern.
Supervised by M. De Lara : "Decomposition of Stochastic Optimization Problems with Risk Measures".

Computer skills

- Programming Julia, Python, Scilab, PHP.
Package Contributor of JuliaOpt/StochDynProgramming.jl on GitHub.

Volunteering Experience

- Summer 2013 **Web-Developer and Laborer**, *Popenguine*, Senegal.
Summer 2012 **Builder**, *Pappanallur*, India.

Languages

Native: *French*, Fluent: *English*, Intermediate: Spanish, German

Scholarship and prizes

- PhD École des Ponts ParisTech and LabEx Bézout (Laboratories of Excellence)
Exchange Fund of Friendship between France and New-Zealand
MT180 Public price of University Paris-Est and national semifinalist

Other Interests

Sailing, Skiing, Cello, Saxophone, Piano