

# Guillaume Conchon--Kerjan

## Curriculum Vitae

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🌐 <http://guillaume-ck.com>

### Professional Experience

#### Working

2017- **PhD**, *Laboratoire de Probabilités, Statistiques et Modélisation (LPSM), Université Paris Diderot*, Advisor: Justin Salez.

#### Internships and dissertations

March 2016 - **Internship at Oxford's Statistics Department**, *Scaling limits of a critical random graph with i.i.d. power-law degrees*, Supervised by Christina Goldschmidt.

June 2016

2016 **Master's Thesis**, *An SDE for a path-valued Markov process*, Supervised by Vincent Bansaye and Sylvie Méléard.

2014 **Bachelor's Thesis**, *Classification of compact surfaces in dimension 2*, joint with Guillaume Maillard, supervised by Antoine Touzé.

#### Teaching

2017-2020 **Teaching assistant**, *Université Paris Diderot*, Paris, France.

2014-2016 **Colleur in CPGE** (~ oral examiner at undergraduate level), *Lycée Louis-le-Grand*, Paris, France.

2013-2015 **Colleur in CPGE**, *Lycée Condorcet*, Paris, France.

#### Organizing

2018-2019 **Co-organizer of the PhD Students' Probability Seminar**, *LPSM*.

### Education

2015-2016 **Master 2 (MS) in Probabilities**, *Université Pierre et Marie Curie, Paris*.

2013-2014 **Licence (BS) in Mathematics**, *École Normale Supérieure de Paris*.

2013 **Admission to École Normale Supérieure de Paris**.

2011-2013 **CPGE in MP (Mathematics and Physics)**, *Lycée Louis-le-Grand, Paris, France*.

2011 **Scientific Baccalauréat & Abitur (French and German high school diplomas)**, *Lycée International, Saint-Germain-en-Laye*.

### Publications and preprints

Preprint Conchon–Kerjan G. *Cutoff for random lifts of weighted graphs* (submitted to *Annals of Probability*), available at <https://arxiv.org/abs/1908.02898>.

### Talks and conferences

July 2019 **Random Trees and Graphs Summer School**, *CIRM*, Marseille.

Talk: "Cutoff for the random walk on random lifts"

June 2019 **Les Probabilités de Demain**, *Université Paris-Diderot*, Paris.

Talk: "Cutoff for the random walk on lifts of graphs"

October 2018 **PhD Students' Probability Seminar**, *LPSM*, Paris.

- Talk: "Metric scaling limit for a critical configuration model with power-law degrees"
- July 2018 **Saint-Flour Probability Summer School.**  
Talk: "Metric scaling limit for a critical configuration model with power-law degrees"
- May 2018 **Franco-Dutch YEP Workshop, TU Eindhoven, Netherlands.**  
Talk: "Metric scaling limit for a critical configuration model with power-law degrees"
- January 2018 **Young Probabilists and Statisticians, IHP, Paris.**
- July 2017 **Spectral properties of large random objects, IHES, France.**
- March 2017 **Journées ALEA, CIRM, Marseille.**
- July 2016 **Saint-Flour Probability Summer School.**
- June 2015 **PIMS Summer School, University McGill, Montréal.**

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## Prizes

- 2011 **Concours général de Mathématiques**, Third prize *ex-aequo*.
- 2010 **Olympiades académiques de Mathématiques**, Third national prize *ex-aequo*.

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## Other Mathematics

- 2013-Present **Teacher and Staff Member in the French training program for the International Mathematical Olympiad**, <http://maths-olympiques.fr/>, teaching, organization of training camps, team leader in competitions.
- 2019-Present **Member of Animath's Board**, <https://animath.fr/>, an association promoting math towards the youth and the general public.
- 2015-2018 **Member of the Jury and of the Problem selection committee at TFJM<sup>2</sup>**, <https://tfjm.org/>, a French team competition initiating highschool students to research.
- 2015-2016 **Organizer of Parimaths**, <http://www.parimaths.fr/>, a math club for highschool students, oriented towards olympiads and general math culture.
- October 2017,2018 **Participation to the Fête de la Science**, scientific activities in primary schools.

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## Languages

- French Mother Tongue
- German Fluent
- English Fluent
- Italian Intermediate
- Chinese Basic