

Professional situation

- 2015– **Chargé de recherche CNRS** at Laboratoire d'Informatique de l'École polytechnique, Palaiseau
2012–2015 **Chargé de recherche CNRS** at Institut Élie Cartan de Lorraine, Nancy
2011–2012 **Post-doctoral fellow** at MSRI, Berkeley
2009–2011 **Ph.D. student** at Orsay (Université Paris Sud)

Education

- 2011–2012 **Post-doctoral fellowship: Random Spatial Processes** (MSRI, Berkeley)
2008–2011 **Ph.D.** supervised by Grégory Miermont (DMA de l'ENS then Université Paris Sud)
Title: Scaling Limit of Arbitrary Genus Random Maps
Referees: Omer Angel and Jean-François Marckert
Defense: October 26, 2011 at Université Paris Sud, mention *Très Honorable*
Jury: Jérémie Bouttier, Jean-François Le Gall, Jean-François Marckert, Grégory Miermont, Gilles Schaeffer and Marc Yor (president)
2006–2007 **French teacher employment competitive exam: Agrégation** rank 25
2005–2009 **Studies at École Normale Supérieure** (Paris)

Publications and preprints

- 2016 **A bijective study of basketball walks**
with É. Fusy, C. Mailler, L. Randazzo. *Séminaire Lotharingien de Combinatoire*, to appear, arXiv:1611.01478 (2016)
A bijection for nonorientable general maps
Short version: *FPSAC 2016. Discrete Math. Theor. Comput. Sci. Proc.*, **BC**, 227–238 (2016)
Preprint, arXiv:1512.02208 (2015)
- 2015 **A simple explicit bijection between $(n, 2)$ Gog and Magog trapezoids**
Séminaire Lotharingien de Combinatoire, **75**, Art. B75e, 1–9 (2016)
Compact Brownian surfaces I. Brownian disks
with G. Miermont. *Probability Theory and Related Fields*, to appear, arXiv:1507.08776 (2015)
- 2014 **Geodesics in Brownian surfaces (Brownian maps)**
Annales de l'Institut Henri Poincaré, **52**, 612–646 (2016)
Random maps
with C. Abraham, G. Collet and I. Kortchemski. *ESAIM: Proceedings and Surveys*, **51**, 133–149 (2015)
- 2013 **The Scaling Limit of Uniform Random Plane Maps, via the Ambjørn–Budd Bijection**
with E. Jacob and G. Miermont. *Electronic Journal of Probability*, **19**, no. 74, 1–16 (2014)
- 2012 **Increasing Forests and Quadrangulations via a Bijective Approach**
Journal of Combinatorial Theory, Series A, **122**, 107–125 (2014)
- 2011 **Scaling Limit of Random Planar Quadrangulations with a Boundary**
Annales de l'Institut Henri Poincaré, **51**, 432–477 (2015)
The Topology of Scaling Limits of Positive Genus Random Quadrangulations
The Annals of Probability, **40**, 1897–1944 (2012)
- 2010 **Scaling Limits for Random Quadrangulations of Positive Genus**
Electronic Journal of Probability, **15**, 1594–1644 (2010)

Main conferences and symposiums

- 2016 **World Congress in Probability and Statistics** (Fields Institute, Toronto)
28th International Conference on Formal Power Series and Algebraic Combinatorics (Vancouver)
- 2015 **Stochastic Processes and Their Applications** (Oxford)
Random Geometry semester (Newton Institute, Cambridge)
- 2014 **École d'été de probabilités de Saint-Flour**
- 2013 **ALEA in Europe** (CIRM, Marseille)
Stochastic Processes and Their Applications (University of Colorado, Boulder)
25th International Conference on Formal Power Series and Algebraic Combinatorics (Paris)
- 2012 **PIMS Summer School In Probability** (University of British Columbia, Vancouver)
Random Spatial Processes (MSRI, Berkeley)
- 2011 **École d'été de probabilités de Saint-Flour**
Semaine d'Étude Maths-Entreprises organized by GDR Mathématiques et entreprises (IHP, Paris)
- 2010 **PIMS Summer School In Probability** (University of Washington, Seattle)
Conformal Maps From Probability to Physics (Ascona, Switzerland)
Colloque "Jeunes Probabilistes et Statisticiens" (Mont-Dore)
- 2009 **Physique statistique, combinatoire et probabilités** (IHP, Paris)
Random Planar Geometry (les Diablerets, Switzerland)
- 2008 **PIMS Summer School In Probability** (University of British Columbia, Vancouver)

Participation to the organization of conferences

- 2015 **ALÉA 2015** (CIRM, Marseille)
- 2014 **Journées MAS 2014** (Toulouse)
Random maps session

Distinction

- 2013 **Ph.D. award from Fondation Mathématiques Jacques Hadamard**

Other activities

- 2014–2019 **Local coordinator of ANR GRAAL "GRaphes et Arbres ALéatoires"**
- 2011– **Member of GDR Mathématiques et entreprises (GDR 3397)**
Research group at the interface between the university and the industry
- 2008–2012 **Member of ANR A3 "Arbres aléatoires et applications"**

