Stéphane Benoist

Probabilist

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Publications

2018   *Natural parametrization of SLE: the Gaussian free field point of view. (Electronic Journal of Probability.)*

2016   *Classifying conformally invariant loop measures.*

2016   *The scaling limit of critical Ising interfaces is CLE_3*, with Clément Hongler. (To appear in Annals of Probability.)

2016   *Conformal invariance of crossing probabilities for the Ising model with free boundary conditions*, with Hugo Duminil-Copin and Clément Hongler. (Annales de l'Institut Henri Poincaré.)

2016   *An SLE_2 loop measure*, with Julien Dubédat. (Annales de l'Institut Henri Poincaré.)

2015   *Near-critical spanning forests and renormalization*, with Laure Dumaz and Wendelin Werner.

Employment

2016-present   **C.L.E. Moore instructor**, *Massachusetts Institute of Technology*.

2011-2016   **Graduate student employee**, *Columbia University*, New York, NY.

Education

2011-2016   **Mathematics PhD**, *Columbia University*, New York.
under the supervision of Julien Dubédat.

2009   **Master's degree in mathematics**, *Université Paris-Sud 11*, Orsay.
specialty Probability and statistics, with highest honors.

2008   **Bachelor's degree in mathematics**, *Université Paris-Sud 11*, Orsay.
with highest honors.

2007 - 2011   **Admitted to study**, *École Normale Supérieure*, Paris.

Teaching

Fall 2018   Linear Algebra (proof-based)

Spring 2018   Stochastic Calculus

Fall 2017   Multivariable Calculus *(recitation)*

Spring 2017   Multivariable Calculus *(recitation)*

Fall 2016	Multivariable Calculus *(recitation)*
Fall 2015	Complex analysis *(seminar)*
Spring 2015	Probability *(recitation)*
Summer 2012	Analysis & Optimization

Talks

2017	Rainwater seminar, *University of Washington*.
2016	Probability seminar, *MIT*.
2016	Probability seminar, *Harvard University*.
2016	Probability seminar, *University of Chicago*.
2016	Probability seminar, *Columbia University*.
2015	Probability seminar, *Cambridge University*.
2015	Probability seminar, *EPFL*.
2015	Probability seminar, *Université de Lyon*.

Conference talks

2018	Stochastic Processes and their Applications, *Göteborg, Sweden*.
2017	SLE, GFF and LQG in NYC, *Columbia University*.

Dissertation

Title	*Conformally invariant random planar objects*
Supervisor	Julien Dubédat

Languages

English	**Fluent**
French	**Fluent**