Curriculum vitae of Laure Dumaz

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Education and Employment

Since Sept. 2013	Research Associate of the programme "New Frontiers in Random Geometry" in the Statistical Laboratory of the Department of Pure Mathematics and Mathematical Statistics in Cambridge.
Since Oct. 2013	College Research Assistant of Clare College.
2009-2013	PhD under the supervision of Bálint Tóth (Technical University Budapest) and Wendelin Werner (Université Paris-Sud and Ecole Normale Supérieure de Paris) "Self-interacting Processes and large deviations". French defence in Dec. 2012, Hungarian defence in June 2013.
2008-2009	Master's degree in Mathematics (Paris-Sud). Master's thesis under the supervision of Bálint Virág in the University of Toronto about the beta-ensembles and the Tracy-Widom distribution.
2008	Agrégation de Mathématiques (Highest French teaching Diploma).
2006-2007	Bachelor's degree in Mathematics in ENS Paris. First year Master's thesis under the supervision of Thierry Bodineau.
2006-2010	Student at Ecole Normale Supérieure (ENS Paris).
2003-2006	Preparatory Classes for the Grandes Ecoles (graduate schools) MPSI-MP* (Mathematics, Physics).

Publications and Preprints

- (In preparation) Near-critical spanning forests and renormalization, with Stephane Benoist and Wendelin Werner.

- From Sine kernel to Poisson statistics, with Romain Allez. arXiv:1407.5402. 2014. In review in Electronic journal of Probability.

- Random matrices in non-confining potentials, with Romain Allez.
  Preprint. arXiv:1404.5265. 2014. Submitted.

- Tracy-Widom at high temperature, with Romain Allez. arXiv:1312.1283. *Journal of Statistical Physics*, Volume 156, Issue 6, pp.1146-1183. 2014.

- A clever (self-repelling) burglar. *Electron. J. Probab.*, vol. 17, n0. 61, 1-17, 2012.

- Marginal densities of the "true" self-repelling motion, with Bálint Tóth. *Stochastic Processes and their Applications*, vol. 123, Issue 4, Pages 1454–1471, April 2013.

- Large deviations and path properties of the true self-repelling motion. *arXiv:1105.2948*. 2011. Accepted for publication in *Bulletin de la SMF*.

- The right tail exponent of the Tracy-Widom-beta distribution, with Bálint Virág. *arXiv:1102.4818*. *Ann. Inst. H. Poincar Probab. Statist.* Volume 49, Number 4 (2013), 915-933.

Honor

2013	Prize Thiessé de Rosemont/Demassieux of the "Chancellerie des universités de Paris" for my PhD thesis (2 awards per year for PhD in Mathematics in the region île de France).

Scientific Visits, Summer Schools and Recent Conferences

Dec. 2014	États de la recherche en matrices alatoires, IHP, Paris.
Sept. 2014	Clay Research Conference in Oxford "Advances in Probability: Integrability, Universality and Beyond".
June/July 2014	Stay in the Technical University of Berlin (invited by Wendelin Werner).
June 2014	Third meeting Bath-Paris (Branching Structures).
March – April 2014	One month stay in the Technical University of Berlin (invited by Peter Friz) to give a SLE mini-course.
Dec. 2013	Berlin-Oxford meeting "rough paths".
Dec. 2013	Invited by Bálint Tóth at the University of Bristol.
Since 2009	Stays (seven months in total) at the university BME (Budapest).
June 2013	Workshop "Random walks: crossroads and perspectives" in Budapest.
June 2013	Beg Rohu summer school "Disordered systems" in Bretagne (France).
Fall 2012	Stay in ETH (Zürich).
July 2010	Summer school of Clay Institute in Buzios (Brazil).
Dec. 2009	Invited by Bálint Virág for a short term visit in the University of Toronto.
Sept. 2009	Summer school in Chorin (Germany) "Stochastic Models of Complex Processes".
2009	5th Cornell Probability Summer School.
2009	Summer school in probability at PIMS-UBC.
2008-2009	Scholar during 6 months in Toronto under the supervision of Bálint Virág.

Selected Talks

June 2014	Third meeting Bath-Paris (Branching Structures).
May 2014	Probability seminar of Nancy.
March 2014	Probability seminar of the University of Cambridge.
Feb. 2014	Probability seminar of the University of Warwick.
Jan. 2014	Seminar of stochastic analysis Oxford.
Déc. 2013	Berlin-Oxford meeting.
Déc. 2013	Probability seminar of the University of Bristol.
Oct. 2013	Modal'X seminar, Universit Paris Nanterre.
Juin 2013	Probability Seminar of the University Paris 11.
May 2013	Mathematical Physics Seminar of the University of Geneva.
April 2013	Probability Seminar of the University Dauphine.
March 2013	Probability Seminar of the University Lyon 1.
March 2013	Probability Seminar of the Institut Fourier (Grenoble).
Feb. 2013	Probability Seminar of the University Paris 13.
Oct. 2012	Seminar on Stochastic Processes ETH (Zürich).
Aug. 2012	Journées MAS (Clermont-Ferrand).
April 2012	Probability seminar of the BME (Budapest).
Dec. 2009	Toronto Probability seminar.
Nov. 2009	Probability seminar of Ecole Normale Superieure (Paris)

Teaching

March-April 2014	SLE mini-course in the Technical University of Berlin.
Lent 2014	SLE Course Part III of Cambridge (together with James Norris).
Lent 2014	Supervision of students of Clare college for the Statistical course IB (second year students).
Fall 2012	Teaching assistant of the course "Mathematical foundation for Finance" in ETH Zürich.
2010-2013	Mathematical course (probability and statistics) for first year Economics students at Ecole Normale Supérieure.
Summer 2011	Thematic course *Mathematics and Music* for a Ecole Normale Supérieure summer school for international students (with Sylvain Cabanacq).

Languages and other interests

Languages. French: mother tongue. English: fluent. German: Academic. Hungarian: Beginner.

Music, Sport.

Diploma in piano and music theory in the conservatoire of Aix en Provence. Singing (in choirs in particular in the Ensemble vocal of the COGE (Paris) and in King's Voices in King's college) and choral conducting.

Mediator of the Nuit blanche 2009 for the ENS site.

Running. Trail running. Swimming.