Paul Thévenin

Curriculum Vitae

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Education

oct. 2024 -	**Junior Professor (CPJ)**, *Angers University*.
mar. 2023 - sep. 2024	**Postdoc**, *Vienna University*.
2020-feb. 2023	**Postdoc**, *Uppsala University*.
2017-2020	**PhD under the supervision of Igor Kortchemski**, *Ecole Polytechnique*. Random trees, laminations of the disk and factorizations
2013-2017	**Student in Mathematics at the ENS**, *Paris*.
2016	**Master 2 of Mathematics, spécialité Mathématiques de l'Aléatoire**, *Université Paris 11*, Orsay.
2013	**Admitted to the ENS, Paris**.
2011-2013	**Classes préparatoires**, Lycée Louis le Grand, Paris.
2011	**Baccalauréat S (High School Graduation)**, *Lycée Louis le Grand*, Paris.

Publications

2024	**Concatenating random matchings**, *with F. Burghart*, to appear in Electronic Journal of Probability.
2024	**Central limit theorem for components in meandric systems through high moments**, *with S. Janson*, published in Combinatorics, Probability and Computing.
2024	**Coupling Bertoin's and Aldous-Pitman's representations of the additive coalescent**, *with I. Kortchemski*, to appear in Random Structures and Algorithms.
2023	**Components in meandric systems and the infinite noodle**, *with V. Féray*, published in International Mathematics Research Notices.
2023	**Cube moves for s-embeddings and α-realizations**, *with P. Melotti and S. Ramassamy*, published in Annales de l'Institut Henri Poincaré D.

2022	**Random generation and scaling limits of fixed genus factorizations into transpositions**, *with V. Féray and B. Louf*, published in Probability Theory and Related Fields.
2022	**Points and lines configurations for perpendicular bisectors of convex cyclic polygons**, *with P. Melotti and S. Ramassamy*, published in Electronic Journal of Combinatorics.
2022	**Random stable type minimal factorizations of the n-cycle**, published in Advances in Applied Probability.
2021	**A geometric representation of fragmentation processes on stable trees**, published in Annals of Probability.
2020	**Vertices of fixed outdegrees in large Galton-Watson trees**, published in Electronic Journal of Probability.

Preprints

2023	**Local limits of descent-biased permutations and trees**, *with S. Wagner*, arXiv preprint.
2023	**Critical exponential tiltings for size-conditioned multitype Bienaymé–Galton–Watson trees**, arXiv preprint.
2021	**Convergence of trees with a given degree sequence and of their associated laminations**, *with G. Berzunza and C. Holmgren*, arXiv preprint.

Teaching

2024	**Teaching assistant in Probability and Statistics**, *Bachelor, first year*, University of Vienna.
2023-2024	**Lecture on Stochastic Calculus**, *Master, first year*, University of Vienna.
2023	**Teaching assistant in Probability and Statistics**, *Bachelor, first year*, University of Vienna.
2018-2020	**Teaching assistant in Analysis**, *Undergraduate level, Bachelor, first year*, Ecole Polytechnique, 48 hours of tutorial in small groups.
2017-2018	**Teaching assistant in Algebra**, *Undergraduate level, Bachelor, first year*, Ecole Polytechnique, 48 hours of tutorial in small groups.
2017-2018	**Lectures for Parimaths**. Parimaths is a club which provides mathematical lectures every week to motivated high school students.
2015-2018	**Oral examiner in mathematics**, *Lycée Louis le Grand*, Paris.

Invited talks

April 2024	**Informal seminar of Mathematics**, *University of Vienna*, Austria.
March 2024	**Seminar 'Actualités des Maths'**, *University of Neuchâtel*, Switzerland.
January 2024	**Combinatorics Seminar**, *LIX/LISN*, France.
November 2023	**Probability Seminar**, *Angers University*, France.
October 2023	**Discrete Mathematics Seminar**, *University of Vienna*, Austria.
September 2023	**Probability and Combinatorics Seminar**, *Uppsala University*, Sweden.
July 2023	**Conference on Stochastic Processes and their Applications**, *Lisbon University*, Portugal.
May 2023	**Informal Seminar**, *Vienna University*, Austria.
January 2023	**Probabilistic Midwinter Meeting 2023** , *Umeå University*, Sweden.
October 2022	**Probability seminar of the University of Zurich**, *University of Zurich*, Switzerland.
October 2022	**Probability and Combinatorics Seminar**, *Uppsala University*, Sweden.
July 2022	**Conference on Lévy processes and their applications**, *University of Mannheim*, Germany.
June 2022	**Journées de combinatoire de Bordeaux**, *LaBri, Bordeaux*, France.
January 2022	**Probability and Statistics Seminar**, *University of Angers*, France.
October 2021	**Probability and Statistics Seminar**, *LPSM, Paris*, France.
May 2021	**Probability and Statistics Seminar**, *Besançon University*, France.
April 2021	**Probability and Statistics Seminar**, *Institut Elie Cartan, Nancy*, France.
March 2021	**Probability and Combinatorics Seminar**, *Orsay University*, France.
October 2020	**Probability and Combinatorics Seminar**, *Uppsala University*, Sweden.
April 2020	**Probability Seminar**, *Paris 13, Villetaneuse*, France.
December 2019	**Séminaire ''Combinatoire et interactions''**, *Institut Henri Poincaré*, Paris, France.

November 2019	**Séminaire de combinatoire du LIX**, *Palaiseau*, France.
July 2019	**Saint-Flour probability summer school**, *Saint-Flour*, France.
June 2019	**Journées de probabilités**, *Dourdan*, France.
June 2019	**Journée "Probabilités de demain"**, *Paris*, France.

Other mathematical activities

2020-2022	**Organizer of the Probablity Seminar at Uppsala University**, *Sweden*.
2019-2020	**Member of CMAP's Parity and Professional equality Commission (Ecole Polytechnique)**.
2016,2018	**Team leader of a team for the TFJM².**

The TFJM² is a mathematics tournament for high school students, who study partly open problems before comparing their solutions.

2017,2019	**Examiner for the TFJM² finals**.
2018,2019	**Fête de la science**, *Ecole Polytechnique*.
	La Fête de la science gathers middle and high school students around small scientific workshops animated by researchers.
2015-2016	**Organizer of the Students Probablity Seminar at ENS**, *Paris*.