

Matteo D'ACHILLE

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Cursus

- PhD, Université Paris-Saclay, 2020
- MSc, Università degli Studi di Milano, 2016 (*summa cum laude*)
- BSc, Università degli Studi di Milano, 2012

Appointments

- 2025–now: Associate Professor (MCF), Institut Élie Cartan de Lorraine, CNRS and Université de Lorraine, Metz
- 2022–2025: ERC post-doctoral researcher, Laboratoire de Mathématiques d'Orsay, CNRS and Université Paris-Saclay, Orsay
- 2020–2022: Research and Teaching Assistant (ATER à temps plein), LAMA, CNRS and Université Paris-Est Créteil
- 2017–2020: PhD student, jointly at Collège de France, Université Paris-Saclay and CEA Saclay

Principal investigator of funded projects

- 2024–now: Two grants from Centre national d'études spatiales (CNES), Toulouse
- 2021–2025: Various grants from the Fondation Mathématique Jacques Hadamard (FMJH), Orsay

Scientific activity

Publications: 12 published articles and 3 submitted papers. Full list available at: matteodachille.github.io/publications

Talks: 50 talks, including 5 at international conferences and 7 at national conferences. Details at: matteodachille.github.io/talks

Six representative papers

- **M. D'Achille**, N. Curien, N. Enriquez, R. Lyons, M. Ünel, *Ideal Poisson–Voronoi tessellations on hyperbolic spaces*, Ann. Prob. 54(2), 846–891, 2026. DOI: [10.1214/25-AOP1781](https://doi.org/10.1214/25-AOP1781)
- **M. D'Achille**, N. Enriquez, P. Melotti, *Massive Spanning Forests on the Complete Graph: Exact Distribution and Local Limit*, Random Struct. Algorithms 68, no. 2: e70048, 2026. DOI: [10.1002/rsa.70048](https://doi.org/10.1002/rsa.70048)
- **M. D'Achille**, L. Coquille, A. Le Ny, *Extremal Ising Gibbs States on Lobachevsky lattices*, Electron. Commun. Probab. 30, 1-10, 2025. DOI: [10.1214/25-ECP724](https://doi.org/10.1214/25-ECP724)
- **M. D'Achille**, A. C. D. van Enter, A. Le Ny, *Decimations for two-dimensional Ising and rotator models*, J. Math. Phys. 63, 2022. DOI: [10.1063/5.0057174](https://doi.org/10.1063/5.0057174)
- D. Benedetto, E. Caglioti, S. Caracciolo, **M. D'Achille**, G. Sicuro, A. Sportiello, *Random Assignment Problems on 2d Manifolds*, J. Stat. Phys. 183, 34, 2021. DOI: [10.1007/s10955-021-02768-4](https://doi.org/10.1007/s10955-021-02768-4)
- S. Caracciolo, **M. D'Achille**, V. Erba, A. Sportiello, *The Dyck bound in the concave 1-dimensional random assignment model*, J. Phys. A Math. Theor. 53, 2020. DOI: [10.1088/1751-8121/ab4a34](https://doi.org/10.1088/1751-8121/ab4a34)

Peer review

- Annales de l'Institut Henri Poincaré B, Probability Theory and Related Fields, Random Structures & Algorithms, Electronic Journal of Probability, Electronic Communications in Probability, Probability Theory and Related Fields, IEEE Transactions on Information Theory, Physical Review X, Chaos (AIP)

Organization (since 2021):

- Since 2021: Seed Seminar of Mathematics and Physics, IHP, Paris and IHES, Bures-sur-Yvette, France (founder)
- Since 2022: Les Probabilités de Demain - Île-de-France, IHP, Paris (coordinator)
- Jun 2026: 17th French Romanian Colloquium on Applied Mathematics, Minisymposium, Nancy, France (w. P. Calka)
- 2023–2025: SuPerGRandMa Weekly Seminar, Laboratoire de Mathématiques d'Orsay, Université Paris-Saclay (w. N. Curien)
- Aug 14, 2024: Bernoulli–ims World Congress, contributed session, Bochum, Germany (w. A. Le Ny)

Students supervision

- M2 research internship (with stipend): 3 students; M1: 11 students ; L3: 5 students

Teaching (since 2018):

- Since Sep 2025: Associate Professor of Probability, various graduate and undergraduate classes, UFR MIM, Metz, France
- Aug 2024: M2/PhD class on Random Assignment problems, AESIM–CIMPA Summer School, Nesin Mathematics village, Turkey
- 2020–2022: TA, undergraduate in Probability, Statistics and Dynamical Systems, Université Paris-Est Créteil, France
- 2018–2019: TA, undergraduate classes in Real Analysis, Laboratoire de Mathématiques d'Orsay, Université Paris-Saclay, France