

Curriculum Vitæ of Piet Lammers

Dutch. Born on 14 March 1995.

Laboratoire de Probabilités, Statistique et Modélisation
French National Centre for Scientific Research (CNRS)
Sorbonne University
4 place Jussieu, 75005 Paris, France



Current position

Since 2023 Junior Professor Chair, CNRS.

Past positions

- 2020–2023 Postdoc in Mathematics, IHÉS, Paris (supervisor: H. Duminil-Copin).
2016–2020 PhD in Mathematics, University of Cambridge (supervisor: J. Norris).
2015–2016 Masters in Mathematics, University of Cambridge.
2012–2015 Bachelors in Liberal Arts, Utrecht University.

Supervision

Current.

- Lucas D’Alimonte (postdoc, joined 2024, before PhD with I. Manolescu),
- Joseph Chen (postdoc, joined 2025, before PhD with E. Lubetzky),
- Thibault Durand (pre-doc ENS Ulm, joined 2025),
- Jonas Wyss (PhD, joined 2025, before student at ETH Zürich).

Past.

- Loïc Gassmann (M2 intern, 2023, now PhD with I. Manolescu).

Distinctions

- 2024 Cours Peccot; invited lecture series at Collège de France.
2018 SKRK essay prize; first-ranked essay in the Department of Pure Mathematics and Mathematical Statistics within the University of Cambridge.

Publications

15. **The BKT transition and surface tension differentiability**, with Thibault Durand, preprint.
14. **Free energy analyticity of the disordered XY model and Debye screening in the 2D Coulomb gas**, with Lucas D’Alimonte, preprint.
13. **Gaussian free field convergence of the six-vertex model with Delta between -1 and $-1/2$** , with Hugo Duminil-Copin, Karol Kozłowski, and Ioan Manolescu, preprint.
12. **Bijecting the BKT transition**, preprint.
11. **A dichotomy theory for the height functions of the BKT transition**, preprint.
10. **Delocalisation and continuity in 2D: loop $O(2)$, six-vertex, and random-cluster models**, with Alexander Glazman, Comm. Math. Phys. (2025).
9. **Non-reversible stationary states for majority voter and Ising dynamics on trees**, with Fabio Toninelli, Electron. J. Probab. (2024).
8. **Height function localisation on trees**, with Fabio Toninelli, Combin. Probab. Comput. (2024).

7. **Delocalisation and absolute-value-FKG in the solid-on-solid model**, with Sébastien Ott, Probab. Theory Related Fields (2024).
6. **Macroscopic behavior of Lipschitz random surfaces**, with Martin Tassy, Probab. Math. Phys. (2024).
5. **Diffusivity of a walk on fracture loops of a discrete torus**, Ann. Inst. Henri Poincaré Probab. Stat. (2023).
4. **Height function delocalisation on cubic planar graphs**, Probab. Theory Related Fields (2022).
3. **A generalisation of the honeycomb dimer model to higher dimensions**, Ann. Probab. (2021).
2. **Variational principle for weakly dependent random fields**, with Martin Tassy, J. Stat. Phys. (2020).
1. **The bunkbed conjecture on the complete graph**, with Peter van Hintum, European J. Combin. (2019).

Revised on 10 June 2026.