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Languages fluent (written and spoken) in English, French, German and Spanish.

Employment

Imperial College London Mar 20 – now
Lecturer, then Senior Lecturer in Pure Mathematics

Institut des Hautes Études Scientifiques (IHÉS) Sep 18 – Feb 20
Bures-sur-Yvette, France

University of California, Los Angeles (UCLA) Sep 15 – Aug 18
E. R. Hedrick Assistant Professor, Department of Mathematics

Education

Ph.D. in Mathematics, ETH Zurich Sep 11 – Aug 15
Advised by: Alain-Sol Sznitman.

B.Sc. and M.Sc. in Physics, ETH Zurich Oct 06 – Jul 11
With distinction.

Abitur, Humanist. Görres-Gymnasium Düsseldorf, Germany Jul 06
Grosses Latinum (6 yrs. Latin), Graecum (4 yrs. Ancient Greek). Final mark: 1.0

Selected publications (last 5 years)

- [1] *Critical exponents for a percolation model on transient graphs.* With A. Drewitz and A. Prévost. **Inventiones Mathematicae** 232 (1), 229–299, 2023.
- [2] *On the radius of Gaussian free field excursion clusters.* With S. Goswami and F. Severo. **Annals of Probability** 50 (5), 1675–1724, 2022.
- [3] *Equality of critical parameters for percolation of Gaussian free field level-sets.* With H. Duminil-Copin, S. Goswami and F. Severo. **Duke Mathematical Journal** 172 (5), 839–913, 2023.
- [4] *On pinned fields, interlacements, and random walk on $(\mathbb{Z}/N\mathbb{Z})^2$.* **Probability Theory and Related Fields** 173:1265–1299, 2019.
- [5] *The sign clusters of the massless free field percolate on \mathbb{Z}^d , $d \geq 3$ (and more).* With A. Drewitz and A. Prévost. **Communications in Mathematical Physics** 362(2): 513–546, 2018.