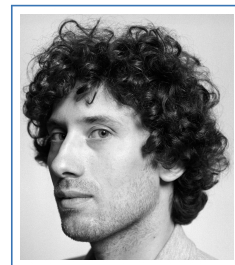


Duminil-Copin Hugo

Curriculum Vitæ

University of Geneva, Switzerland
Institut des Hautes Études Scientifiques, France
 hugo-duminil-copin



Personal Information

Nationality French
Date of Birth August 26, 1985
Webpage <https://www.unige.ch/~duminil/>
Social Media <https://www.linkedin.com/in/hugo-duminil-copin>

Current Positions

2014– **Full Professor**, *University of Geneva*.
2016– **Permanent Professor**, *Institut des Hautes Études Scientifiques (IHES)*.
2024– **Co-director G.EM**, *University of Geneva*.

Past Employments and Education

2013–2014 **Assistant Professor**, *University of Geneva*.
2011–2012 **Postdoctoral Researcher**, *University of Geneva*.
2008–2011 **PhD in Mathematics**, *University of Geneva* (Supervisor: S. Smirnov).
2006–2008 **École Normale Supérieure**, *Paris*.

Distinctions and Awards

2024 Elected to the French and European Academies of Sciences
2023 Frontiers of science award (2 awards), member of the French Presidential Council of Science
2022 **Fields Medal**
2019 Dobrushin Prize, Elected to Academia Europaea
2018 Invited speaker ICM
2017 Loeve Prize, New Horizons Prize, Grand Prix Jacques Herbrand (Académie des Sciences)
2016 EMS Prize
2015 IAMP Early Career Award, Cours Peccot du Collège de France
2013 Oberwolfach Prize
2012 Rollo Davidson Prize, Vacheron-Constantin Prize

Mathematics and Society

2024– Co-founder and Co-director of **G.EM**, a public outreach structure of the University of Geneva which welcomed 7'500 participants in 2024-25.
2024– Member of the French Presidential Council of Science of Emmanuel Macron.
2024– Member of the Scientific Council of the **Foundation Blaise Pascal** for public outreach in France.
2022– Over 150 public lectures (TEDx, at universities and schools, general audience).
2022– Regular appearances on press, radio, and television.

PhD and Postdoctoral Students

Current Aman Markar (PhD), Émile Averous (PhD), Tiancheng He (PhD), Nikita Gladkov (Postdoc), Peter Wildemann (Postdoc), Rémy Mahfouf (Postdoc).

Past Alexis Prevost, Florian Schweiger, Hong-Bin Chen, Jiaming Xia, Trishen Gunaratnam, Romain Panis, Matthias Kloeckner, Mendes Oulamara, Christoforos Panagiotis, Piet Lammers, Franco Severo, Alex Karrila, Pierre-François Rodriguez, Subhajit Goswami, Giovanni Antinucci, Daria Smirnova, Jhih-Huang Li, Aran Raoufi, Matan Harel, Ioan Manolescu, Vincent Tassion.

Selected Research Lectures

Named Lecture Series Pauli (2025), Nunez (2025), Green Family (2024), Coxeter (2024), Stelson (2024), Leonardo da Vinci (2023), Weierstrass (2023), ICTS Ramanujan (2023), Princeton Minerva (2019), Takagi (2017), Charles River (2016), Current Developments in Mathematics (2015).

Plenary Lectures British Colloquium (2024), ICM Fields Medal Lecture (2022), Jahrestagung DMV (2022), Portuguese Math. Soc. 80th birthday meeting (2021), SPA (2021), German Prob. Stoch. days (2020), Brazil-France Congress (2019), 150 years of the Finnish Math. Soc. (2018), Congrès de la SMF (2018), Brazilian Colloquium (2017), ICMP (2015), SPA (2013).

Others Over 100 research seminars, 40 colloquia and 10 lecture series in research schools.

Selected Publications

Planar random-cluster model: scaling relations **Forum Math. Pi**, avec I. Manolescu, 2022.

Marginal triviality of the scaling limits of critical 4D Ising and φ_4^4 models **Ann. Math.**, avec M. Aizenman, 2021.

Discontinuity of the phase transition for the planar random-cluster and Potts models with $q > 4$ **Ann. ENS**, avec M. Gagnebin, M. Harel, I. Manolescu et V. Tassion, 2021.

Sharp phase transition for the random-cluster and Potts models via decision trees **Ann. Math.**, avec A. Raoufi et V. Tassion, 2019.

Continuity of the phase transition for planar random-cluster and Potts models with $1 \leq q \leq 4$ **CMP**, avec V. Sidoravicius et V. Tassion, 2017.

A new proof of the sharpness of the phase transition for Bernoulli percolation and the Ising model **CMP**, avec V. Tassion, 2016.

Random Currents and Continuity of Ising Model's Spontaneous Magnetization **CMP**, avec M. Aizenman et V. Sidoravicius, 2015.

The self-dual point of the two-dimensional random-cluster model is critical for $q \geq 1$ **PTRF**, avec V. Beffara, 2012.

The connective constant of the honeycomb lattice equals $\sqrt{2 + \sqrt{2}}$ **Ann. Math.**, avec S. Smirnov, 2012.

The sharp threshold for bootstrap percolation in all dimensions **Trans. AMS**, avec J. Balogh, B. Bollobás et R. Morris, 2012.

Full list (open access): <https://www.unige.ch/~duminil/publi.html>