

## Curriculum Vitae of Wendelin Werner



Born in 1968 in Köln, Germany  
French citizenship

**Professional address:**

Department of Mathematics, ETH Zürich  
Rämistr. 101, 8092 Zürich, Switzerland

<http://www.math.ethz.ch/~wewerner>

**Studies:**

1987-91 Student at Ecole Normale Supérieure in Paris  
1993 PhD under the supervision of J.-F. Le Gall (Univ. Paris 6)  
1995 Habilitation

**Work:**

1991-93 and 95-97: Chargé de Recherches (research fellow) at C.N.R.S. in Paris  
1993-95: 'Leibniz-fellow' in Cambridge (GB).  
1997-2013: Professor at University Paris-Sud (Orsay).  
Since 2013: Professor at ETH Zürich.

**Prizes:**

Rollo Davidson Prize (1998), Cours Peccot, collège de France (1999), Prix Paul Doistau-Emile Blutet (Académie des Sciences, 1999), Prize of the European Mathematical Society (2000), Fermat prize (2001), Prix Jacques Herbrand (Académie des Sciences, 2003), Loeve prize (2005), Pólya prize (2006), Fields Medal (2006)

**Other:**

Member of French, German (Leopoldina and BBAW), Brazilian Academy of Sciences. Honorary fellow of Gonville and Caius College (Cambridge).

**Main scientific interests:**

Probability theory and mathematical physics, relations with complex analysis.

**Selection of five publications:**

- *Values of Brownian intersection exponents I: Half-plane exponents and II: Plane exponents*, with G. Lawler and O. Schramm, *Acta Mathematica* **187**, 237-273 and 275-308 (2001).
- *Critical exponents for two-dimensional percolation*, with Stanislas Smirnov, *Math. Res. Lett.* **8**, 729-744 (2001).
- *Conformal invariance of planar loop-erased random walks and uniform spanning trees*, with G. Lawler and O. Schramm, *Ann. Prob.* **32**, 939-995 (2004).
- *The conformally invariant measure on self-avoiding loops*, *J. Amer. Math. Soc.* **21**, 137-169 (2008).
- *Conformal loop ensembles: the Markovian characterization and the loop-soup construction*, with S. Sheffield, *Ann. Math* **176**, 1827-1917 (2012).

**Teaching:** In average two courses per year since 1996. 8 PhD students supervised.

**Service for the community:** Currently associated editor of the *Annals of Probability*, various evaluation, hiring and prize committees, advisory/scientific and administrative boards (such as MFO Oberwolfach, Berlin Mathematical School, Max Planck Institute Bonn etc.), IMU EC member 2010-2014.

**Popularisation of mathematics.** Three/four general audience talks per year since 2002.

**Some named lectures given:** James Simons lectures at MIT, EMS congress Stockholm 2000, Statphys XXII congress (Bangalore), IMS-BS Lévy lecture (Barcelone), Tom Wolff lectures (Caltech), Göran Gustafson lectures (Stockholm), plenary talk ICMP 2006 (Rio), Invited lecture ICM 2006 (Madrid), AMS Colloquium lectures (San Diego), IMS Medallion lecture (Singapour), Aisenstaedt chair (Montréal), Euler lecture (Berlin), Milliman lectures (UW), Greene Family lectures (UCLA), Ahlfors lectures (Harvard) etc.

**Brief general statement**

I believe that it is part of my duties as a mathematician to devote, in parallel to my own research, some of my time to help students (teaching, advising, supervising etc.) and to service for the mathematical community in general (refereeing, editorial and committee work).

I am willing to serve as a member of the EC for another four years in order to help the International Mathematical Union to continue to shape our community and its values, based on scientific sound criteria, service, open access and integrity, to promote the unity of mathematicians and mathematics, across geographic and thematic borders, and to advocate the specificity of mathematics to various funding bodies. A further important task would be to help the IMU secretariat to adapt smoothly to the new configuration without any permanent EC member based in Berlin.