

## Curriculum Vitae of Wendelin Werner



Born on 23rd of September 1968 in Köln, Germany  
French citizenship

### **Professional address:**

Laboratoire de Mathématiques  
Bât. 425, Université Paris-Sud  
91405 Orsay, France

e-mail: [wendelin.werner@math.u-psud.fr](mailto:wendelin.werner@math.u-psud.fr)  
<http://www.math.u-psud.fr/~werner>

### **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

### **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)

### **Work:**

1991-93 and 95-97: Chargé de Recherches at C.N.R.S.  
1993-95: 'Leibniz-fellow' in Cambridge (GB).  
Since 1997: Professor at University Paris-Sud (Orsay).  
Since 2005: part-time at Ecole Normale Supérieure (Paris).

### **Other:**

Since 2008: Member of the French Academy of Sciences.  
Since 2009: Honorary fellow of Gonville and Caius College (Cambridge).

**Main scientific interests:** Probability theory and mathematical physics, relations with complex analysis.

**Selection of five publications:**

- *A counterexample to the “hot spots” conjecture*, with Krzysztof Burdzy, *Annals of Mathematics* **149**, 309-317 (1999).
- *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).

**Teaching:** In average two courses per year since 1996. 6 PhD students supervised.

**Service for the community:** Currently associated editor of three journals, various evaluation, hiring and prize committees, advisory/administrative and scientific boards (MFO Oberwolfach, Berlin Mathematical School, Fondation Sciences Mathématiques de Paris etc.)

**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), Chaire Aisenstaedt (Montréal), Euler-Vorlesung (Berlin) 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 help the International Mathematical Union to continue to shape our community and its values, based on scientific sound criteria, service, open access and integrity, and to promote the unity of mathematicians and mathematics, across geographic and thematic borders. I think that this is of great importance, and I would be very grateful to be given the opportunity to contribute to this task.