

**Emmanuel ULLMO**

Director and Scientific Member, Institut des Hautes Etudes Scientifiques (IHES)  
Professor, Université Paris-Sud, Orsay

**Education:**

Graduated from Ecole Normale Supérieure de Cachan (1985)  
Ph.D. in Mathematical Sciences from Université Paris-Sud, Orsay (1993)

**Past positions:**

- 1989 – 1991: "Moniteur normalien" (Doctoral Assistant), Université Paris VI
- 1991 – 1992: Scientific military service at the Institut of Pure and Applied Mathematics (IPAM), Rio de Janeiro
- 1992 – 1993: "Moniteur normalien" (Doctoral Assistant), Université Paris VI
- 1993 – 1999: "Maître de conférence" (tenured Assistant Professor), Univ. Paris-Sud, Orsay
- 1997: "Habilitation à diriger des recherches" (accreditation to supervise research), Université Paris-Sud, Orsay
- 1999 – 2001: Assistant Professor, Princeton University
- 2005: Invited Professor, Tsing-Hua University, Beijing

**Research interests:**

Algebraic Geometry, Number Theory, Ergodic Theory, Automorphic Forms, Transcendence Theory.

**Honors and awards:**

- 1999 – 2001: National Science Foundation Grant
- 2002: Invited Speaker, International Congress of Mathematicians, Beijing
- 2003 – 2008: Member of the Institut Universitaire de France
- 2006: Académie des Sciences de Paris Elie Cartan Prize
- 2014 – present : Academia Europea Member

**Service:**

- 2003 – 2010: Member of the Editorial Board of the collection "Panoramas et Synthèses" edited by the Société Mathématique de France
- 2006 – 2013: Member of the Editorial Board of "Inventiones Mathematicae" (2006–2013) then Managing Editor of "Inventiones Mathematicae" (2008–2013)
- 2007 – 2010: Chair of the mathematics department and of the hiring committee of Université Paris-Sud

**Organisation of conferences and workshops:**

- 2011: International Workshop on the "Zilber-Pink Conjecture", CIRM Luminy
- 2003: International Conference for the 60th Birthday of L. Szpiro
- 1999: Trimester Program "Diophantine Geometry" at Centre Emile Borel, Paris.

**Ph.D. students:**

2001 Pascal Autissier  
2008 Ricardo Menares  
2009 Ke Chen  
2013 Martin Orr  
2014 Ziyang Gao  
2018 Jinbo Ren

## Selected Publications:

L. Szpiro, E. Ullmo, S. Zhang

*Equidistribution des petits points*  
Inventiones **127**, (1997), 337–347.

E. Ullmo

*Positivité et discrétion des points algébriques des courbes*  
Annals of Maths **147** (1998), 167–179.

P. Michel, E. Ullmo

*Points de petite hauteur sur les courbes modulaires  $X_0(N)$ .* —  
Inventiones **131**, Fasc.3 (1998), 645–674.

L. Clozel, H. Oh, E. Ullmo

*Hecke operators and equidistribution of Hecke points*  
Invent. Math. **144**, (2001), p. 327-351.

L. Clozel, E. Ullmo

*Equidistribution de sous-variétés spéciales.*  
Annals of mathematics **161** (2005) p. 1571–1588.

L. Clozel, E. Ullmo

*Equidistribution de mesures algébriques*  
Compositio Math **141** (2005) p. 1255-1309.

E. Ullmo, A. Yafaev

*The Hyperbolic Ax Lindemann in the compact case*  
Duke Math J. **163** (2014), no. 2, 433-463.

E. Ullmo

*Quelques applications du théorème d’Ax Lindemann hyperbolique*  
Compos. Math. **150** (2014), no. 2, 175-190.

E. Ullmo, A. Yafaev

*Galois orbits of special subvarieties of Shimura varieties: towards the André-Oort conjecture*  
Ann. of Math. (2) **180** (2014), no. 3, 823-865.

B. Klingler, E. Ullmo, A. Yafaev

*The hyperbolic Ax-Lindemann-Weierstrass conjecture*  
Pub. Maths. IHES **123** (2016), 333-360.

E. Ullmo, A. Yafaev

*Algebraic flows on Abelian Varieties*  
Journal Für die Reine und Angewandte Mathematik (Crelle) **741**, (2018) 47-66.

C. Daw, A. Gorodnik, E. Ullmo

*Convergence of measures on compactifications of locally symmetric spaces*  
Preprint 2018.