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### **Brief Bio**

Born in 1959 in Paris, French, married, 2 children.  
1978-1983 Student at Ecole Normale Supérieure, Paris.  
1983 PhD Paris 7 University.  
1983-1997 CNRS Researcher at University Paris 7.  
1992-2004 Associate Professor at Polytechnique, Paris.  
1997-2007 CNRS Research Director at Ecole Normale Supérieure in Paris.  
2007 - now CNRS Research Director at Paris-Sud University.

### **Visiting positions**

2008 Fall, Distinguished Visiting Professor at Brown.  
2011 Fall, Research Professor at MSRI, Berkeley.  
2013 Fall, Research Fellow at IIAS, Jerusalem.  
2015 Spring, Simons Visiting Professor at MSRI Berkeley.  
2016 Fall, Visiting Professor at MSRI Berkeley.  
2017 Fall, Visiting Professor at Yale.  
2019 Fall, Visiting Professor at Tokyo.

### **Awards**

1996 Prix Carrière French Science Academy.  
2011 Clay Research Award.  
2012 DeRham Lecture, Lausanne.  
2012 Takagi Lecture of the Japan Mathematical Society.  
2014 Invited speaker ICM in Seoul.  
2016 Namboodiri Lecture at the University of Chicago.  
2019 Grand Prix Leonid Frank French Science Academy.  
2020 Invited speaker ECM in Portoroz.

## References

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- [2] \* Une nilvariété non affine, *Journal of Differential Geometry* 41 p.21-52 (1995).
- [3] \* Actions propres sur les espaces homogènes réductifs, *Annals of Mathematics* 144 p.315-347 (1996).
- [4] \* Propriétés asymptotiques des groupes linéaires, *Geometric And Functional Analysis* 7 p.1-47 (1997).
- [5] \* Convexes hyperboliques et fonctions quasisymétriques, *Publ. Math. IHES* 97 p.181-237 (2004).
- [6] \* Convexes divisibles IV, *Inventiones Mathematicae* 164 p.249-278 (2006).
- [7] \* (avec J.F. Quint) Mesures stationnaires et fermés invariants des espaces homogènes, *Ann. of Math.* 174 p.1111-1162 (2011).
- [8] \* (with J.F. Quint) Stationary measures and invariant subsets on homogeneous spaces (II), *Journ. Amer. Math. Soc.* 26 p.659-734 (2013).
- [9] \* (with N. de Saxcé) A spectral gap theorem in simple Lie groups, *Inventiones Mathematicae* 205 337-361 (2016).
- [10] \* (with D. Hulin) Harmonic quasiisometric maps on rank one symmetric spaces, *Annals of Mathematics* 185 p.895-917 (2017).