

# Amaury FRESLON

*Citizenship : French*

*Married, one child*

*Born 29/10/1987*

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## Adress

Université Paris-Sud XI  
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## Positions

- **Maître de Conférences** Orsay, France  
*Université Paris-Sud XI* 2015 - present
- **Post-doctoral researcher** Saarbrücken, Germany  
*Universität des Saarlandes* 2014 - 2015
- **Ph.D. student** Paris, France  
*University Paris VII* 2011 - 2014

## Education

- **University Paris VII** Paris, France  
*Ph.D. in Mathematics* 2011 - 2014  
— Advisor : Étienne BLANCHARD
- **École Normale Supérieure** Paris, France  
*Studies in Mathematics* 2007 - 2011
- **Preparatory classes** Tours, France  
*Preparation for competitive exams to enter "Grandes Écoles"* 2004 - 2007

## Degrees

- **Ph.D. in Mathematics** Paris, France  
*University Paris VII* 2013  
— Title : Approximation properties for discrete quantum groups
- **Master in Mathematics** Paris, France  
*University Paris VII* 2010  
— Advisor : Étienne BLANCHARD
- **Agrégation externe de Mathématiques**  
*Competitive exam giving a position in the public education system* 2009

## Publications and preprints

1. *Approximation properties for discrete quantum groups*, Ph.D. Thesis (2013).
2. *A note on weak amenability for reduced free products of discrete quantum groups*, C. R. Acad. Sci. Paris Ser. I, **350** (2012), n° 7–8, pp. 403–406.
3. *Examples of weakly amenable discrete quantum groups*, J. Funct. Anal. **265** (2013), n° 9, pp. 2164–2187.
4. *CCAP for universal discrete quantum groups* (with K. De Commer and M. Yamashita and an appendix by S. Vaes), Comm. Math. Phys. **331** (2014), n° 2, pp. 677–701.
5. *Graphs of quantum groups and  $K$ -amenability* (with P. Fima), Adv. Math. **260** (2014), pp. 233–280.
6. *On the representation theory of easy quantum groups* (with M. Weber), to appear in *J. Reine Angew. Math.* (2016).
7. *Fusion (semi)rings arising from quantum groups*, J. Algebra **417** (2014), pp. 161–197.
8. *Permanence of approximation properties for discrete quantum groups*, Ann. Inst. Fourier **65** (2015), n° 4, pp. 1423–1436.
9. *On bi-free de Finetti theorems* (with M. Weber), Ann. Math. Blaise Pascal **23** (2016), n° 1, pp. 21–51.
10. *On the partition approach to Schur-Weyl duality and free quantum groups* (with an appendix by A. Chirvasitu), to appear in *Transform. Groups* (2016).
11. *Wreath products of quantum groups by finite groups* (with A. Skalski), to appear in *J. Noncommut. Geom.* (2016).
12. *The radial MASA in free orthogonal quantum groups* (with R. Vergnioux), J. Funct. Anal. **271** (2016), n° 10, pp. 2776–2807.

## Languages

French (native), English (fluent), Spanish (read), basics in Latin and ancient Greek.