

# Aser CORTINES

## PERSONAL DATA

---

PLACE AND DATE OF BIRTH: Brazil — 10 January 1985  
HOME ADDRESS: 3 Square Alice - 75014 PARIS, France  
UNIVERSITY ADDRESS: Univ. Paris Diderot, Mathématiques  
case 7012, 75205 Paris Cedex 13, France.  
PHONE: (+33) 06 48 64 86 41  
EMAIL: cortines@math.univ-paris-diderot.fr

## POSITION

---

I am currently PhD researcher at LPMA (Paris 7) in Paris, France. My area of research is (mathematical) probability theory and more specifically, stochastic models in front propagation, coalescence theory and interacting particle systems.

## EDUCATION

---

2012 - PhD in MATHEMATICS, **Univ. Paris Diderot - Paris 7**  
Thesis title: “Percolation de dernier passage de champ moyen”  
Advisor: Prof. Francis COMETS

2011-2012 Master: M2 PROBABILITÉ ET MODELE ALÉATOIRES  
**École Polytechnique**, France.

2010-2011 Master: M1 MATHÉMATIQUES  
**École Polytechnique**, France.

2009-2010 Master in MATHEMATICS  
**IMPA**, Brazil.

2006-2009 Undergraduate Degree in MATHEMATICS  
**Univ. Federal Fluminense- UFF**, Brazil

## PUBLICATIONS AND PREPRINTS

---

- The genealogy of a solvable population model under selection with dynamics related to directed polymers, *arXiv:1406.1432*.
- Front velocity and directed polymers in random medium, *Stochastic Processes and their Applications*, 2014, vol. 124, issue 11, pages 3698-3723.

## AWARDS AND GRANTS (SELECTION)

---

2012- Doctoral research grant by the French Ministry of Education.  
2010-2012 Master grant by École Polytechnique foundation.  
2010-2011 Bolsa aluno nota 10 by FAPERJ .

## WORK EXPERIENCE (SELECTION)

---

### *Teaching:*

2013-2014 Chargé de TD (MM1) at Univ. Paris Diderot - Paris 7  
2012-2013 Chargé de TD (MM1) at Univ. Paris Diderot - Paris 7

## Synergistic Activities

Co-organizer of the PhD students probability seminar (2013-2014).  
Representative of the PhD students at LPMA in Paris (2013-)

## LANGUAGES

---

PORTUGUESE: Mother tongue  
ENGLISH: Fluent  
FRENCH: Fluent  
GERMAN: Basic Knowledge