

# Olivier Glorieux

29/04/1987  
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## Current position

2016- **Post doctoral researcher**, *Luxembourg University*, Luxembourg.

## Previous positions

2015-2016 **Post doctoral researcher**, *Instituto Nacional de Matemática Pura e Aplicada (IMPA)*, Rio de Janeiro, Brésil.

2014-2015 **ATER (Temporary teacher and researcher)**, *Université Pierre et Marie Curie*, Institut mathématiques de Jussieu-Paris Rive gauche.

2011-2014 **Teaching assistant**, *Université Pierre et Marie Curie*, Institut mathématiques de Jussieu-Paris Rive gauche, allocation spécifique normalien.

2007-2011 **State employee as "Elève Normalien"**, *École normale supérieure de Lyon*.

## Education

2011 – 2015 **PhD in Mathematics**, *Institut mathématiques de Jussieu, Université Pierre et Marie Curie*, Paris, France.

Advisor Gilles Courtois

Summer 2011 **Intership with Gilles Courtois on Apollonian circle packings and closed horospheres on hyperbolic manifolds**, *Université Pierre et Marie Curie*, Paris, France.

2010 – 2011 **Master 2, Major in Hyperbolic geometry**, *Université Paris Diderot*, France.  
With honours.

2009 – 2010 **"Agrégation" - French competitive exam for teachers.**, *ENS-Lyon*.  
Rank 23d.

Summer 2009 **Internship with Caroline Series on Hyperbolic Metric for the figure eight knot complement**, *Warwick University*, Coventry, UK.

2008 – 2009 **Master 1 Major in geometry**, *Warwick University*, Coventry, UK.  
With distinction.

Summer 2008 **Internship with George Bluman on the Book Applications of Symmetry Methods to Partial Differential Equations**, *UBC*, Vancouver, Canada.

2007 – 2008 **Mathematical degree**, *ENS-Lyon*.  
With honours.

2005 – 2007 **Preparatory school for "Grandes Ecoles"**, *Saint-Louis college*, Paris.

2004 – 2005 **Baccalauréat**, *Stanislas college*, Paris.  
With distinction.

## Invited lectures

October 2016 Geometry seminar at UFRJ, « Critical exponent for Globally hyperbolic AdS manifolds ».

September 2016 Geometry seminar at IMPA, « Critical exponent for Globally hyperbolic AdS manifolds ».

June 2016 Workshop for young researchers : groups acting on manifolds Petropolis "Borel density theorem"

May 2016 Geometry seminar of Luxembourg university, "Hausdorff dimension of quasi-Fuchsian Anti-de Sitter groups"

February 2016 Geometry seminar at IMPA, "Entropy of surfaces in Quasi-Fuchsian manifolds"

- November 2015 Geometry seminar at Université Paul Sabatier de Toulouse, "Exposant critique des variétés globalement hyperbolique Anti de Sitter de dimension 3"
- June 2015 Poster session Notre-Dame University, "Critical exponent in  $\mathbb{H}^2 \times \mathbb{H}^2$ "
- May 2015 Geometry seminar at ENS-Lyon. "Entropies des surfaces plongées d'une variété quasi-fuchsienne."
- March 2015 Geometry seminar at Luxembourg University « Exposant critique des groupes de surface agissant sur  $\mathbb{H}^2 \times \mathbb{H}^2$  ».
- February 2015 Seminar of Ergodic theory at Université de Rennes. "Mesures de Patterson Sullivan sur le produit  $\mathbb{H}^2 \times \mathbb{H}^2$ "
- December 2014 Gaston Darboux seminar at Montpellier University, "Entropies des surfaces agissant sur  $\mathbb{H}^2 \times \mathbb{H}^2$ ."
- December 2014 Spectral theory and geometry seminar at Grenoble University, "Entropies des surfaces agissant sur  $\mathbb{H}^2 \times \mathbb{H}^2$ ."
- November 2014 Parole au jeunes chercheurs at Bordeaux university, "Entropies des surfaces plongées d'une variétés quasi-fuchsienne"
- May 2013 Gaston Darboux seminar at Montpellier University, "Courbe de Manhattan et exposant critique."
- November 2012 PhD seminar at Pierre et Marie Curie University, "Comportement des géodésiques fermées sur les surfaces hyperboliques."
- February 2012 PhD seminar at Cergy University, "Equidistribution en Géométrie hyperbolique."

## Preprint

- 2016 Critical exponent and Hausdorff dimension for quasi-Fuchsian AdS manifolds joint with Daniel Monclair
- 2016 Critical exponent of graphed Teichmüller representations
- 2015 Entropy of embedded surfaces in quasi-fuchsian manifolds
- 2015 Counting closed geodesics in globally hyperbolic maximal compact AdS 3-manifolds. Accepted in Geometriae Dedicata

## Teaching

- 2011 – 2015 **Seminar supervisor at**, Université Pierre et Marie Curie, Paris.
  - Licence 2 - Preparation to Engineering school exam - 72h.
  - Licence 1 -Linear algebra - 72 h.
  - Licence 2 - Multi variables analysis - 72h.
  - Licence 2 - Series and integration - 77h.
- 2009 – 2011 **Examiner for oral exams in preparatory school.**
  - Lycée Saint-Louis, Paris.
  - Lycée Saint-Michel de Picpus, Paris.
  - Lycée du Parc, Lyon.
  - Lycée Michelet, Lyon.

## Other informations

- Society Member of PhD student office in Institut Mathématiques de Jussieu.  
Volunteer in private tutoring, charity "ASTUCE lycéen"
- Informatic Scilab, Maple
- Languages
- English Read, spoken, written
- Portuguese Read, spoken
- German Basic notions