



# Andrea Tamburelli

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## *Curriculum Vitae*

### Personal Information

Citizenship Italian  
Place of birth Como  
Date of birth April 15, 1991  
Address University of Luxembourg, Campus Kirchberg  
Mathematics Research Unit  
6, Rue Coudenhove-Kalergi  
L-1359 Luxembourg  
Phone +352 46 66 44 6275  
email andrea.tamburelli@uni.lu

### Education

2010 **High School Diploma**, *Orsolino S. Carlo*, Como.  
2010–2013 **BSc Mathematics**, *University of Pisa*, 110/110 cum laude.  
2013–2015 **MSc Mathematics**, *University of Pisa*, 110/110 cum laude.  
2015–Present **PhD Mathematics**, *University of Luxembourg*.

### Master thesis

Title *A vanishing result for the  $\ell^2$ -Betti numbers in terms of the integral foliated simplicial volume*  
Supervisors Prof. Roberto Frigerio

### Research interests

Teichmüller theory, Hyperbolic and AdS geometry, bounded cohomology and simplicial volume

### Publications

April 2016 *Prescribing metrics on the boundary of AdS 3-manifolds*, [arXiv:1604.05186](https://arxiv.org/abs/1604.05186)

Nov 2016 *Constant mean curvature foliation of domains of dependence in  $AdS_3$ .*

## Teaching experience

Sept–Dec '14 **Teaching Assistant**, *University of Pisa.*

Tutoring first-year student in Pharmaceutical Technologies for the course *Matematica* and second-year students in Engineering for the course *Analisi 2*.

Sept–Dec '15 **Teaching Assistant**, *University of Luxembourg.*

Exercise sessions for the courses *Analyse 1a, 1b, 1c* for first-year students in Mathematics, Engineering and Physics.

Feb–May '16 **Teaching Assistant**, *University of Luxembourg.*

Exercise sessions for the courses *Analyse 2a, 2b* for first-year students in Mathematics.

Sept–Dec '16 **Teaching Assistant**, *University of Luxembourg.*

Exercise sessions for the course *Analyse 1a, 1b* for first-year students in Mathematics.

## Languages

Italian Native

English Fluent

Spanish Fluent

German Intermediate

French Basic

## Invited talks

Nov 2016 **Conference**, *Paroles aux jeunes chercheurs en géométries et groupes*, IRMA, Strasbourg.

Nov 2016 **Seminar**, *Prescribing metrics on the boundary of Anti-de Sitter 3-manifolds*, Università di Pavia, Pavia.

## Conferences and schools

August 2013 **Summer school**, *Differential geometry and Complex analysis*, SMI, Perugia.

May 2016 **Spring school**, *Advanced School on Geometric Group Theory and Low-Dimensional Topology: Recent Connections and Advances*, ICTP, Trieste.

August 2016 **Workshop**, *Geometry, Topology and Dynamics of Moduli Spaces*, NUS, Singapore.

Nov 2016 **Workshop**, *Paroles aux jeunes chercheurs en géométries et groupes*, IRMA, Strasbourg.

Dic 2016 **Workshop**, *SL<sub>2</sub>R Days in representation theory and harmonic analysis*, UNILU, Luxembourg.

## References

MSc Supervisor **Prof. Roberto Frigerio**, *University of Pisa*  
*frigerio@dm.unipi.it.*

PhD **Prof. Jean-Marc Schlenker**, *University of Luxembourg*  
Supervisor *jean-marc.schlenker@uni.lu*.