Ana C. Silva

Ghent University
Krijgslaan 281 (S22) B-9000 Gent, Belgium
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Education

2013–present	**PhD in Mathematics**, *Ghent University*, Belgium.
Thesis title	*Automorphism groups of locally finite trees.*
Supervisor	Tom De Medts

2010–2012	**Master's degree in Mathematics**, *University of Lisbon*, Portugal.
Thesis title	*Low-dimensional affine synchronizing groups.*
Supervisor	Csaba Schneider
Thesis' grade	20
Higher marks	Groups and representations, Formal languages, semigroups and automata theory, and Partial differential equations.

2007–2010	**B.A. in Mathematics**, *University of Lisbon*, Portugal.
Higher marks	Discrete mathematics, Measure theory and Linear algebra.

Grants and Scholarships

2013	PhD Scholarhsip - FWO research project G011012N.
	Ghent University, Belgium.
2011	Merit grant for giving extra support and exercise classes to the students of applied statistics bachelor in the course of Calculus II.
	University of Lisbon, Portugal.
2010	Scholarship for a project for initiation to research, supervised by Dr. Csaba Schneider.
	University of Lisbon, Portugal.
2007	Grant for the best students of the Faculty of Sciences.
	University of Lisbon, Portugal.

Research visits

May 2016	ETH Zurich, Switzerland
	Geometry group 1, supervised by Alessandra Iozzi.
	Visit to Anne Thomas to work on the topic "Universal groups for CAT(0) spaces and related latices".

Publications

Csaba Schneider and Ana C. Silva, *Cliques and colorings in generalized Paley graphs and an approach to synchronization*, Journal of Algebra and Its Applications 2015; **14**: 1550088.

Tom De Medts, Ana C. Silva and Koen Struyve, *Universal groups for right-angled buildings*, submitted.

Tom De Medts and Ana C. Silva, *Groups acting on right-angled buildings with few open subgroups*, in preparation.

Ana C. Silva and Anne Thomas, *Automorphism groups of polygonal complexes with prescribed action on the links*, in preparation.

Communications

11/2014 **Algebra workshop 2014 - 34 years of CAUL**, *Institute for interdisciplinary research*, Lisbon, Portugal.
"On automorphisms of right-angled buildings".

09/2014 **Buildings 2014**, *Westfälische Wilhelms-Universität*, Munster, Germany.
"Universal groups for right-angled buildings".

04/2014 **Department's seminar**, *University of Lisbon*, Lisbon, Portugal.
"Automorphisms of trees: a quick topological, geometrical and algebraic approach".

Teaching experience

Autumn 2015 **LAM I**, *(Linear algebra and geometry)*, Faculty of Sciences, Ghent University.
Teaching assistant (in Dutch).

Autumn 2014 **LAM I**, *(Linear algebra and geometry)*, Faculty of Sciences, Ghent University.
Teaching assistant (in English and Dutch).

Autumn 2012 **Álgebra Linear**, *(Linear algebra)*, Faculty of Sciences, University of Lisbon.
Teaching assistant (in Portuguese).

Spring 2012 **Elementos de Cálculo Diferencial**, *(Introduction to Differential Calculus)*, Faculty of Sciences, University of Lisbon.
Teaching assistant. (in Portuguese)

Autumn 2011 **Álgebra Linear**, *(Linear algebra)*, Faculty of Sciences, University of Lisbon.
Teaching assistant (in Portuguese).

Spring 2011 **Elementos de Cálculo Diferencial**, *(Introduction to Differential Calculus)*, Faculty of Sciences, University of Lisbon.
Teaching assistant (in Portuguese).

Conferences Attended

02/2016 **Group Theory, Geometry and the Influence of Jacques Tits**, *Karlsruhe Institute of Technology*, Karlsruhe, Germany.

02/2016 **Young geometrical group theory V**, *Karlsruhe Institute of Technology*, Karlsruhe, Germany.

09/2015 **Buildings 2015**, *Westfälische Wilhelms-Universität*, Munster, Germany.

01/2015 **Winter meeting on Bruhat-Tits buildings**, *Imperial College London*, London, UK.

10/2014 **Arbeitsgemeinschaft: Totally Disconnected Groups**, *Oberwolfach*, Germany.

07/2014 **Algebra, geometry and computation**, *Eindhoven University of Technology*, Eindhoven, Netherlands.

06/2014 **Discrete groups and geometrical structures, with applications V**, *KU Leuven*, Leuven, Belgium.

04/2014 **Ischia Group Theory 2014**, Naples, Italy.

03/2013 **Locally compact groups beyond Lie theory**, Spa, Belgium.

05/2012 **Workshop on Semigroups 2012 (to remember John M. Howie on the occasion of his 76th birthday)**, *Institute for interdisciplinary research*, Lisbon, Portugal.

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Languages

Portuguese Mothertongue

English Professional working profeciency

Dutch International level B2

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Personal interests

- Tennis and squash
- Running long distances
- Indoor soccer
- Playing guitar
- Organizing debates
- Travelling