



Marco Barberis

Curriculum vitæ

Education

- 2018–current **Postgraduate student**, *University of Warwick*, Coventry, UK.
PhD student in Geometry and Topology under supervision of Prof. Brian H. Bowditch and Dr. Saul Schleimer.
- 2012–2017 **Diploma di licenza**, *Scuola Normale Superiore, Classe di Scienze Matematiche Fisiche e Naturali*, Pisa, advanced undergraduate education.
- 2015–2017 **Master in Mathematics**, *Università di Pisa*, Pisa.
Final mark 110/110 *cum laude*.
- 2012–2015 **Bachelor in Mathematics**, *Università di Pisa*, Pisa.
Final mark 110/110 *cum laude*.
- 2007–2012 **Maturità classica**, *Liceo classico Camillo Benso Conte di Cavour*, Torino, high school with emphasis on humanities.
Final mark 100/100 *cum laude*.

Master thesis

- Title *Q.i. rigidity for lattices of hyperbolic isometries*.
- Supervisor Prof. Roberto Frigerio, Università di Pisa.
- Summary For this thesis I studied quasi isometric rigidity for lattices in the Lie group of isometries of hyperbolic spaces (of dimension at least 3), dealing with both the uniform case (solved by P. Tukia in 1986) and the nonuniform one (whose solution is due to R. Schwartz in 1996).

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Bachelor thesis

- Title *Lüroth's problem in low dimension.*
- Supervisor Prof. Rita Pardini, Università di Pisa.
- Summary In this thesis I studied the so-called Lüroth's Problem in dimension one and two, *i.e.* decide whether every unirational algebraic variety is actually rational; I dealt with the case of curves over an arbitrary field, and with the case of surfaces over the complex field.

Conferences, schools and workshops attended

- Sep 2019 Conference *Of coarse! Quasi-isometries and groups: rigidity and classification*, Ventotene, Italy.
- Jul 2019 Summer school *Aspects of Geometric Group Theory*, IHES Paris, France.
- Jul 2019 Conference *Young Geometric Group Theory VIII*, Bilbao, Spain.
- Jul 2018 Workshop *Graphs, surfaces, and cube complexes*, University of Warwick.
- Jul 2018 Workshop *Representation varieties and geometric structures in low dimensions*, University of Warwick.
- Jun 2018 Summer school *3-Manifold and Geometric Group Theory*, CIRM Marseille Luminy.
- Apr 2018 Workshop *Geometry of outer spaces and outer automorphism groups*, University of Warwick.
- Apr 2018 Workshop *Geometry of Teichmüller space and Mapping Class Group*, University of Warwick.
- Mar 2018 Workshop *Teichmüller Dynamics*, University of Warwick.
- Mar 2018 Conference *Young Geometric Group Theory VII*, Les Diablerets, Switzerland.
- Dec 2017 Workshop *Computation in geometric topology*, University of Warwick.
- Sep 2017 School *Introduction to geometry, dynamics and moduli in low dimensions*, University of Warwick.
- Jun-Jul 2017 Summer school *Thematic School on Quasi isometric rigidity*, Toulouse.

Teaching experiences

- 2019 **Teaching Assistant**, *Mathematics Departement*, University of Warwick.
Support classes in Geometric Group Theory, Knot Theory.
- 2018 **Teaching Assistant**, *Mathematics Departement*, University of Warwick.
Support classes in Manifolds, Set Theory.

Awards

- 2012 IVth place at *XXXII Certamen Ciceronianum Arpinas*, international contest of translation from Latin and comment of writings by Marco Tullio Cicerone.

Miscellaneous

- 2018–current **Exam marking**, *Mathematics Departement*, University of Warwick.

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2017 **Part-time collaboration**, Annali della Scuola Normale Superiore - Classe di scienze, Pisa.

Adaptation of submitted papers to journal's typographical standards.

2016-2017 **Exam Marking**, *Dipartimento di matematica*, Università di Pisa.

Language skills

Italian Mother tongue

English Advanced

C1-level ESOL certification; TOEFL certificate marked 114/120.

French Basic knowledge