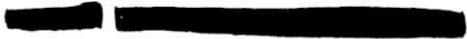


MARCO BOGGI

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EMPLOYEMENT

Associate Professor at the Department of Mathematics of the Federal University of Minas Gerais in Belo Horizonte (Brazil).

GRANTS

Recipient of *Bolsa de Produtividade em Pesquisa* CNPq and *Demanda Universal* FAPEMIG (Brazil).

EDUCATION

- 1989 - 1994: Undergraduate Studies at the University of Rome, "La Sapienza" (Italy).
- September 1994 - May 1995: Master Class in Algebraic Geometry in the Netherlands.
- 1994 - 1998: Ph.D. in Mathematics, University of Utrecht (The Netherlands).

LANGUAGES

- Fluent in Italian, English, French, Spanish and Portuguese.

PH.D. THESIS

- Title: *Compactifications of moduli spaces of curves*.
- Advisor: Eduard Looijenga (University of Utrecht).
- Date of defense: 2th of November, 1998.

POSTDOCS, RESEARCH VISITS AND TENURES

- January 1997 - June 1997: guest at the I.H.E.S. (Bures-sur-Yvette, France).
- February 1999 - June 1999: postdoc at "Scuola Normale Superiore", Pisa (Italy).
- September 1999 - December 2000: postdoc at SISSA (Scuola Internazionale Studi Avanzati), Trieste (Italy).
- January 2001- April 2005: postdoc at the Department of Mathematics of the University of Rome "La Sapienza" (Italy).
- May 2004 - June 2006: guest at the Department of Mathematics of "Jussieu", University of Paris VI (France).
- September 2006 - December 2006: guest at IHES (Bures-sur-Yvette, France).
- February 2007: guest at the Institut "Mittag-Leffler", Stockholm (Sweden).
- April 2007 - June 2007: guest at the Department of Mathematics of "Jussieu", University of Paris VI (France).
- September 2007 - October 2007: guest at RIMS, Kyoto (Japan).
- August 2008 - July 2009: visiting professor at "Escuela de Matemática", Universidad de Costa Rica.

- August 2009 - July 2010: visiting professor at the Department of Mathematics of the Universidad de los Andes (Colombia).
- August 2010 - March 2016: assistant professor at the Department of Mathematics of the Universidad de los Andes (Colombia).
- March 2016 –: assistant professor at the Department of Mathematics of the Universidade Federal de Minas Gerais (Brazil).
- July 2011: guest to the IAS/Park City Mathematics Institute (PCMI) Summer Session on Riemann surfaces, Park City, Utah (USA)
- January 2013 - February 2013: guest to the Trimester Program "Arithmetic & Geometry" in the Hausdorff Center in Bonn (Germany).
- November 2019 - April 2020: visiting professor at Institut Fourier, Laboratoire de Mathématiques Université Grenoble Alpes (France).

ARTICLES AND PUBLICATIONS

- (1) M. Boggi. *Compactifications of moduli spaces of curves*. Ph.D. thesis at the University of Utrecht (1998). ISBN 90-393-1988-X.
- (2) M. Boggi. *Compactifications of configurations of points in \mathbb{P}^1 and quadratic transformations of projective space*. *Indagationes Mathematicae*, N.S. **10** (2), 191–202 (1999).
- (3) M. Boggi, M. Pikaart. *Galois covers of moduli of curves*. *Compositio Mathematica* **120**, 171–191 (2000).
- (4) M. Boggi. *Profinite Teichmüller theory*. *Math. Nach.* **279**, n. 9-10 (2006), 953-987.
- (5) M. Boggi. *Fundamental groups of moduli stacks of stable curves of compact type*. *Geometry & Topology* **13** (2009), 247–276.
- (6) M. Boggi. *Monodromy of stable curves of compact type: rigidity and extension*. *IMRN*, Vol. **2007**, Article ID rnm017, 15 pages.
- (7) M. Boggi. *The congruence subgroup property for the hyperelliptic Teichmüller modular group: the open surface case*. *Hiroshima Math. J.* **39** (2009), 351–362.
- (8) M. Boggi. *Galois covers of moduli spaces of curves and loci of curves with symmetry*. *Geometriae Dedicata* **168**, Issue 1 (2014), 113–142.
- (9) M. Boggi. *On the procongruence completion of the Teichmüller modular group*. *Trans. Amer. Math. Soc.* Vol. **366** (2014), no. 10, 5185–5221.
- (10) M. Boggi. P.A. Zalesskii. *Characterizing closed curves on Riemann surfaces via homology groups of coverings*. *IMRN* Volume 2017, Issue 3 (2017), 944–965, <https://doi.org/10.1093/imrn/rnv380>.
- (11) M. Boggi. G. Corob Cook. *Continuous cohomology and homology of profinite groups*. *Documenta Mathematica* **21** (2016), 1269–1312.
- (12) M. Boggi. E. Looijenga. *Deforming a canonical curve inside a quadric*. *IMRN*, Vol. 2020, Issue 2 (2020), 367–377, <https://doi.org/10.1093/imrn/rny027>.
- (13) M. Boggi. P.A. Zalesskii. *A restricted Magnus property for profinite surface groups*. *Trans. Amer. Math. Soc.* Vol. **371**, no. 1 (2019), 729–753.
- (14) M. Boggi. *Congruence topologies on the mapping class groups*. *Journal of Algebra* **546** (2020), 518–552. <https://doi.org/10.1016/j.jalgebra.2019.11.004>.
- (15) M. Boggi. *Linear representations of hyperelliptic mapping class groups*. *arXiv:1903.04007* (2019). To appear on the *Mich. Math. J.*

- (16) M. Boggi. E. Looijenga. *Curves with prescribed symmetry and associated representations of mapping class groups*. arXiv:1811.09741 (2018).

TEACHING EXPERIENCE

- January 1996 - May 1996: assistant teacher of E. Looijenga for a course in algebraic topology (University of Utrecht).
- January 1998 - May 1998: assistant teacher of E. Looijenga for a course in elementary topology (University of Utrecht).
- April 2001 - June 2001: assistant teacher of R. Pignoni for a course in linear algebra (University of Rome, "La Sapienza").
- February 2004 - April 2004: assistant teacher of L. Barbieri Viale for a course in linear algebra (University of Rome, "La Sapienza").
- August 2008 - December 2008: teacher of a course in linear algebra, "Escuela de Matemática", Universidad de Costa Rica.
- March 2009 - July 2009: teacher of a course in algebraic geometry, "Escuela de Matemática", Universidad de Costa Rica.
- March 2009 - July 2009: teacher of a course in algebraic number theory, "Escuela de Matemática", Universidad de Costa Rica.
- August 2009 - December 2009: teacher of a course in linear algebra, Universidad de los Andes (Colombia).
- August 2009 - December 2009: teacher of a course in differential calculus, Universidad de los Andes (Colombia).
- January 2010 - June 2010: teacher of a course in differential calculus, Universidad de los Andes (Colombia).
- January 2010 - June 2010: teacher of a course in algebraic number theory, Universidad de los Andes (Colombia).
- August 2010 - December 2010: teacher of a course in abstract algebra (group theory), Universidad de los Andes (Colombia).
- August 2010 - December 2010: teacher of a course in integral calculus, Universidad de los Andes (Colombia).
- August 2010 - December 2010: organizer of a seminar for students in algebraic geometry, Universidad de los Andes (Colombia).
- January 2011 - June 2011: teacher of a course in integral calculus, Universidad de los Andes (Colombia).
- January 2011 - June 2011: teacher of a course in algebraic geometry, Universidad de los Andes (Colombia).
- August 2011- December 2011: teacher of a course in integral calculus, Universidad de los Andes (Colombia).
- August 2011 - December 2011: teacher of a course in commutative algebra, Universidad de los Andes (Colombia).
- January 2012 - June 2012: teacher of a course in vectorial calculus, Universidad de los Andes (Colombia).
- August 2012 - December 2012: teacher of an advanced course in linear algebra, Universidad de los Andes (Colombia).
- August 2012 - December 2012: teacher of a course in differential calculus, Universidad de los Andes (Colombia).

- August 2013 - December 2013: teacher of an advanced course in linear algebra, Universidad de los Andes (Colombia).
- August 2013 - December 2013: teacher of a course in vectorial calculus, Universidad de los Andes (Colombia).
- January 2014 - June 2014: teacher of a course in vectorial calculus, Universidad de los Andes (Colombia).
- January 2014 - June 2014: teacher of a course in representations of finite groups, Universidad de los Andes (Colombia).
- August 2014 - December 2014: teacher of a course in abstract algebra (group theory), Universidad de los Andes (Colombia).
- August 2014 - December 2014: teacher of a course in vectorial calculus, Universidad de los Andes (Colombia).
- January 2015 - June 2015: teacher of a course in vectorial calculus, Universidad de los Andes (Colombia).
- January 2015 - June 2015: teacher of an advanced course in vectorial calculus, Universidad de los Andes (Colombia).
- August 2015 - December 2015: teacher of a course in vectorial calculus, Universidad de los Andes (Colombia).
- March 2016 - July 2016: teacher of a course in cryptography, UFMG (Brazil).
- August 2016 - December 2016: teacher of a course in algebraic geometry, UFMG (Brazil).
- August 2016 - December 2016: teacher of a course in basic algebra, UFMG (Brazil).
- March 2017 - July 2017: teacher of two classes of a course in cryptography, UFMG (Brazil).
- August 2017 - December 2017: teacher of a course in cryptography, UFMG (Brazil).
- August 2017 - December 2017: teacher of a course in linear algebra, UFMG (Brazil).
- March 2018 - July 2018: teacher of two classes of a course in differential calculus, UFMG (Brazil).
- August 2018 - December 2018: teacher of a course in basic algebra, UFMG (Brazil).
- August 2018 - December 2018: teacher of a course in algebraic topology, UFMG (Brazil).
- March 2019 - July 2019: teacher of two classes of a course in differential calculus, UFMG (Brazil).

TALKS (SINCE 2007)

- February 15th 2007. Institute "Mittag-Leffler", Stockholm (Sweden). Title: *Monodromy of stable curves of compact type: rigidity and extension*.
- September 27th and 28th, 2007. RIMS, Kyoto (Japan). Title: *Profinite curve complexes and the congruence subgroup problem for the mapping class group*.
- January 10th 2008. Mathematical Institute of "Jussieu", University of Paris VI (France). Title: *The congruence subgroup property for the hyperelliptic modular Teichmüller group*.
- February 14th 2008. IRMAR, Rennes (France). Title: *The congruence subgroup property for the hyperelliptic modular Teichmüller group*.

- June 24th 2009. Escuela de Matemática, Universidad de Costa Rica. Title: *Fidelidad de representaciones de Galois asociadas a curvas hiperbólicas*.
- October 21th 2009. VII Encontro regional de Topologia, Maresias (Brazil). Title: *Fundamental groups of moduli stacks of stable curves of compact type*.
- December 14th 2009. Seminar at Università degli Studi di Padova (Italy). Title: *Faithfulness of Galois representations associated to hyperbolic curves*.
- March 18th 2010. Universidad de los Andes, Bogotá (Colombia). Title: *Teoria de Teichmüller y aritmética de curvas*.
- November 9th 2010. Algebra and Geometry Seminar, Università "La Sapienza", Roma (Italy). Title: *Galois covers of moduli spaces of curves and loci of curves with symmetry*.
- January 19th 2011. Semana de Algebra, Universidade de Brazilia (Brazil). Title: *Characterizing closed curves on Riemann surfaces via homology groups of coverings*.
- June 1th 2011. Algebra and Geometry Seminar, Università "La Sapienza", Roma (Italy). Title: *Characterizing closed curves on Riemann surfaces via homology groups of coverings*.
- September 27th 2011. Conference: *Vector bundles and Real Algebraic Curves*. Universidad de los Andes (Colombia). Title: *The congruence subgroup property for the hyperelliptic modular Teichmüller group*.
- December 15th 2011. Seminar: *Differential methods in Arithmetic, Geometry and Algebraic analysis*. Università degli Studi di Padova (Italy). Title: *Galois covers of moduli spaces of curves and loci of curves with symmetry*.
- 17th January 2012. Minicourse at the Mathematics Department of the University of Coimbra. Title: *Lectures on Galois covers of the moduli space of curves*.
- August 6th 2012. IV CLAM. Cordoba (Argentina). Title: *The congruence subgroup property for the hyperelliptic Teichmüller modular group*.
- September 26th 2012. Algebra seminar, IMPA, Rio de Janeiro (Brazil). Title: *Profinite Teichmüller theory and arithmetic of curves over number fields*.
- December 12th 2012. XIX Coloquio Latinoamericano de Álgebra, Pucón (Chile). Title: *Profinite Teichmüller theory and arithmetic of curves over number fields*.
- April 25th 2013. Algebra seminar, Mathematics Department, Heidelberg University (Germany). Title: *A restricted Magnus property for profinite surface groups*.
- July 24th 2013. School on Algebraic Geometry, Morelia (Mexico). Satellite conference of *Mathematical Congress of the Americas 2013*. Title: *On the abelianization of cofinite subgroups of the mapping class group*.
- August 5th 2013. *Mathematical Congress of the Americas 2013*, Guanajuato (Mexico). Title: *Profinite Teichmüller theory and arithmetic of curves over number fields*.
- September 27th 2013. Algebra seminar, Universidade de Brazilia (Brazil). Title: *On the abelianization of cofinite subgroups of the mapping class group*.
- June 11th 2014. Algebra and Combinatorics seminar, University of Auckland (New Zealand). Title: *On the abelianization of cofinite subgroups of the mapping class group*.
- June 9th to June 12th 2015. Minicourse at the Mathematics Department of the UNAM in Morelia (Mexico). Title: *Lectures on compactifications of the moduli space of curves*.

- August 5th 2016. 24th Brazilian Algebra Meeting in Diamantina, Minas Gerais (Brazil). Title: *A restricted Magnus property for profinite surface groups.*
- October 30th 2017. Workshop on complex geometry UFMG, Minas Gerais (Brazil). Title: *Deforming a canonical curve inside a quadric.*
- December 14th 2017. *Rencontres Franco-Colombiennes de Mathématiques*, École normale supérieure de Lyon (France). Title: *Endomorphisms of Jacobians of algebraic curves with automorphisms.*
- July 30th 2018. *Geometric Group Theory in Campinas, 2018 ICM Satellite Conference*, Unicamp, Campinas (Brazil). Title: *Congruence topologies on the mapping class group.*
- December 4th 2018. 25th Brazilian Algebra Meeting in Campinas, Unicamp, Campinas (Brazil). Title: *Endomorphisms of jacobians of algebraic curves with automorphisms.*
- February 15th 2019. Topology seminar. Institut Fourier, Université Grenoble Alpes (France). Title: *Curves with symmetry and virtual linear representations of the mapping class group.*
- May 31st 2019. Algebra seminar. Mathematics Department, Universidade de Brasilia (Brazil). Title: *Curves with symmetry and virtual linear representations of the mapping class group.*
- July 31st 2019. 32° *Colóquio Brasileiro de Matemática*. Instituto de Matemática Pura e Aplicada - IMPA, Rio de Janeiro (Brazil). Title: *Curves with symmetry and virtual linear representations of the mapping class group.*
- November 29th and 30th 2019. *Journée de Géométrie & Topologie Clermont-Fd–Grenoble–Lyon*. ENS Lyon (France). Minicourse: *Curves with symmetry and virtual linear representations of the mapping class group.*
- December 3rd 2019: Seminario di Algebra, Dipartimento di Scienze Matematiche Politecnico di Torino (Italy). Title: *Endomorphisms of Jacobians of algebraic curves with automorphisms.*