

Curriculum Vitae

Agnese Ilaria Telloni

Education and position

B.S. in Mathematics (2002-2005), Università di Modena e Reggio Emilia

- Thesis Topic: *Epistemology, Philosophy and Foundations of Mathematics*
- Final score: 110/110 cum laude.

M.Sc. in Mathematics (2005-2007), Università di Modena e Reggio Emilia

- Thesis Topic: *Topology of a class of hyperbolic 3-manifolds with geodesic boundary*
- Final score: 110/110 cum laude and special mention.

Ph.D. in Mathematics (2008-2011), Università di Modena e Reggio Emilia

- Thesis Topic: *Topology and geometry of manifolds, fundamental group of manifolds*
- Final score: Excellent.

Adjunt Professor (2011-2013), Università di Modena e Reggio Emilia

Temporary Reasearch Fellow (2014), Università Politecnica delle Marche

Adjunt Professor (2011 - today), Università Politecnica delle Marche

Grants and Fellowship

Research grant "L'Orèal Italia for Women and Science (2011-2012).

Academic Experience and Teaching

Università di Modena e Reggio Emilia

2007 to 2011 Teaching Assistant for Linear Algebra and Geometry

2007 to 2010 Seminars on Mathematical Logics and Epistemology

2011 to 2013 Teaching Assistant for Analysis

Università Politecnica delle Marhe

2007 to today Adjunt Professor for Probability, Statistical Mathematics and Geometry

Conferences and lectures

- **Combinatorics 2008**, 13th Italian Conference in Combinatorics Costermano (Italy), 22-28 June 2008, lecture *Groups and Graphs of Some Combinatorial Manifolds*
- **Advanced School and Conference on Knot Theory and its Applications to Physics and Biology**, Trieste (Italy), 11-29 May 2009.
- **Computational and geometric topology**, Bertinoro (Italy), 16-19 June 2010.
- **Janos Bolyai Memorial Conference**, Budapest (Hungary), 29 August-5 September 2010, lecture *Groups and Graphs of Some Combinatorial Manifolds*.
- **Winter braids**, Pau (France), 12-14 December 2010, lecture *Cyclic branched coverings over some classes of (1,1)-knots*.
- Seminar on invitation, *Branched coverings and exceptional surgery on knots*, University of Geneva (Switzerland), November 2011.
- **Winter braids II**, Caen (France), 11-15 December 2011, lecture *Manifolds from triangulated 3-cells*.
- **FilMat**, Milano (Italy), 28 - 31 May 2014.
- **Matematica e Letteratura: Analogie e Convergenze**, Fisciano (Sa) - Italy, 15-17 April 2015, invited lecture *Mathemata pathemata: il dolore dell'apprendimento nella tragedia attica antica*.

Publications

- 1) A. I. Telsoni, Some hyperbolic 3-manifolds with totally geodesic boundary, Algebra Coll. **17** (3) (2010), 457-468.
- 2) A. I. Telsoni, Combinatorics of a class of groups with cyclic presentation, Discrete Mathematics, **310** (2010), 3072-3079.
- 3) A. Cavicchioli, A. I. Telsoni, *On football manifolds of E. Molnr*, Acta Math. Hungarica **124** (4) (2009), 321-332.
- 4) A. I. Telsoni, *On the groups of some fibered spaces*, J. Group Theory, **12** (6) (2009), 883-894.
- 5) A. Cavicchioli, F. Spaggiari, A. I. Telsoni, *Topology of compact space forms from Platonic solids. I*, Topology and its Applications **156** (2009), 812-822.
- 6) A. Cavicchioli, F. Spaggiari, A. I. Telsoni, *Topology of compact space forms from Platonic solids.II*, Topology and its Applications **157** (2010), 921-931.

- 7) A. I. Telloni, *On a family of homology spheres which are 2-fold coverings of different knots*, Note di Matematica, in press.
- 8) A. Cavicchioli, F. Spaggiari, A. I. Telloni, *Dehn surgeries on some classical links*, Proceed. Edinburgh Math. Soc. **54** (2011), 33-45.
- 9) A. Cavicchioli, A. I. Telloni, *Exceptional surgeries on (1,1)-knots*, Osaka Journ. of Math. **48** (2011), 825-841.
- 10) A. Cavicchioli, F. Spaggiari, A. I. Telloni, *On the fundamental group of some surgery manifolds*, Geometry, vol. 2013, p. 1-8, ISSN: 2314-422X, doi: 10.1155/2013/484508.
- 11) A. Cavicchioli, A. I. Telloni, *Knots with the lens space surgeries*, Mediterranean Journ. of Math., 2011, doi: 10.1007/s00009-011-0163-3.
- 12) A. I. Telloni, *Cyclic branched coverings over some classes of (1,1)-knots*, Geometry, Volume 2013, ID 549198, <http://dx.doi.org/10.1155/2013/549198>.
- 13) A. Cavicchioli, F. Spaggiari, A. I. Telloni, *Cusped hyperbolic 3-manifolds from some regular polyhedra*, Houston Journal of Math., **39** (4), 1161-1174, ISSN: 0362-1588.
- 14) A. Cavicchioli, E. Molnr, A. I. Telloni, *Some hyperbolic space forms with few generated fundamental groups*, Journal of the Korean Mathematical Society, 50 (2013), 425-444.
- 15) A. I. Telloni, *Gruppi e variet tridimensionali da poliedri simmetrici*, La Matematica nella Societ e nella Cultura Rivista dell'UMI, Serie I, 5 (2012), 99-102.
- 16) F. Spaggiari, A. I. Telloni, *Isometry groups of some Dunwoody manifolds*, Algebra Colloquium, to appear.
- 17) A. I. Telloni, *Il linguaggio matematico della simmetria: la teoria dei gruppi*, in *Symmetria. Frammenti di armonia universale*, ed. by A.F. Gualtieri e V. Padovani, Il Fiorino, Modena 2012, ISBN-13 9788875494179.
- 18) A. I. Telloni, *Groups and Manifolds from Triangulated Polyhedra*, Lambert Academic Publishing, 2012, ISBN-13 978-3-659-29209-5.
- 19) A. I. Telloni, G. Williams, *Smith forms of circulant polynomial matrices*, Linear Algebra and its Applications, 458, 559-572.
- 20) M. De Simone, A. I. Telloni, *Spheres and homology spheres obtained by surgery*, to appear.
- 21) A. I. Telloni, C. Toffalori, *Lezioni di matematica*, La Matematica nella Societ e nella Cultura-Rivista dell'UMI, Series I, Vol. VII, April 2014, 31-54.
- 22) A. I. Telloni, *La scienza sospesa: le vie della ricerca fra metodo ed euristica*, MATEPristem, <http://matematica.unibocconi.it/articoli/la-scienza-sospesa-le-vie-della-ricerca-fra-metodo-ed-euristica>.

- 23) A. I. Telloni, C. Toffalori, *Dostoevskij matematico*, Lettera Pristem, to appear.
- 24) A. I. Telloni, *Mathemata pathemata: il dolore dell'apprendimento nella tragedia attica antica*, preprint.
- 25) A. I. Telloni, *Special matchings calculate the parabolic Kazhdan-Luzstig polynomials for the Universal Coxeter groups*, preprint.