

Emanuele Bottazzi
Curriculum Vitae

Personal details

Name	Emanuele
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Date and place of birth	21 December 1987, Pavia, Italy
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Current position

PhD student at University of Trento since Fall 2012. My research activity is focused on Nonstandard Analysis applied to Measure Theory and to the theory of Partial Differential Equations.

Academic qualifications

2012 – Master Degree in Mathematics at University of Pavia, Italy, with a thesis in nonstandard analysis titled “ Ω -Theory - Mathematics with infinite and infinitesimal numbers”, supervised by Professors Vieri Benci (University of Pisa), Mauro Di Nasso (University of Pisa), Enrico Vitali (University of Pavia); final grade 110/110 cum laude.

2009 – Undergraduate Degree in Mathematics at University of Pavia, Italy, with a thesis in algebra titled “Rappresentazione di algebre e grafi diretti” (representations of algebras and direct graphs), supervised by Professor Alberto Canonaco (University of Pavia); final grade 104/110.

2006 – High school diploma obtained at Liceo Scientifico G. Galilei in Voghera (PV), Italy.

Schools, conferences and workshops

August 2015 – “Logic Colloquium 2015” conference in Helsinki, Finland, organized under the auspices of the Association for Symbolic Logic.

October 2014 – Conference at the University of Verona, Italy, organized by the association Permanent Workshop of Logic (SELP).

August 2014 – “ESSLLI 2014” summer school in Tuebingen, Germany, organized under the auspices of the Association for Logic, Language and Information.

July 2014 – “Logic Colloquium 2014” conference in Vienna, Austria, organized under the auspices of the Association for Symbolic Logic.

May 2014 – “FilMat 2014” conference in Milano, Italy, organized by the Italian Network for the Philosophy of Mathematics (FilMat).

April 2014 – “XXV meeting of the Italian Association of Logic and Applications” conference in Pisa, Italy, organized by the Italian Association of Logic and Applications (AILA).

April 2014 – “British Mathematical Colloquium 2014” conference in London, organized by the London Mathematical Society and by the Clay Mathematics Institute.

November 2013 – “Naples - Konstanz Model Theory Days” conference in Caserta, Italy, organized by the Second University of Napoli and by the University of Konstanz.

July 2013 – “Logic Colloquium 2013” conference in Évora, Portugal, organized under the auspices of the Association for Symbolic Logic.

June 2013 – SELP conference at the University of Padova, Italy.

June 2013 – “Model Theory 2013” conference in Ravello, Italy, organized by the Second University of Napoli.

April-May 2013 – “Logic and Interactions” conference in Marseille, France, organized by the MALOA Marie Curie Initial Training Network.

January 2013 – “Ultra-Combinatorics - Applications of ultrafilters in combinatorial number theory and related topics” workshop in Pisa, Italy, organized by the Mathematics Research Center “Ennio De Giorgi”.

August 2010, 2011, 2012 and 2013 – Logic Summer School in Gargnano (BS), Italy, organized by AILA in collaboration with the University of Milano.

Seminars

- 4 February 2016 – Seminar at the “Logic Seminar Verona”;
- 7 August 2015 – Seminar at the “Logic Colloquium 2015” conference;
- 13 January 2015 – Seminar at the Joint PhD Opening of the PhD School in Biomolecular Sciences and the PhD School in Mathematics at the University of Trento;
- 24 October 2014 – Seminar at a SELP conference at the University of Verona;
- 14 July 2014 – Seminar at the “Logic Colloquium 2014” conference;
- 6 November 2013 – Seminar at the “Naples - Konstanz Model Theory Days” conference (the slides based on my talk are available here);
- 26 July 2013 – Seminar at the “Logic Colloquium 2013” conference, (the slides based on my talk are available at the page <http://www.science.unitn.it/~bottazzi/talks.html>);
- 21 June 2013 – Seminar at a SELP conference at the University of Padova;
- 30 April 2013 – Seminar at the “Logic and Interactions” conference;
- 26 January 2013 – Seminar at the “Ultra-Combinatorics - Applications of ultrafilters in combinatorial number theory and related topics” workshop, (the slides of my talk are available at the page <http://www.dm.unipi.it/~dinasso/ultracombinatorics/bottazzi.pdf>);
- 13 May 2011 – Seminar at a SELP conference at the University of Pavia.

Papers

- 2015 – *Some application of numerosities in measure theory* (with Vieri Benci and Mauro Di Nasso), *Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur.* 26 (2015);
- 2014 – *Elementary numerosity and measures* (with Vieri Benci and Mauro Di Nasso), *Journal of Logic and Analysis*, vol 6 (2014);

2014 – *Fermat, Leibniz, Euler, and the gang: the true history of the concepts of limit and shadow* (with Tiziana Bascelli, Frederik Herzberg, Vladimir Kanovei, Karin U. Katz, Mikhail G. Katz, Tahl Nowik, David Sherry, and Steven Shnider), Notices of the American Mathematical Society, vol 61, number 8 (2014).

Teaching experiences

Spring 2016 – Teaching assistant of the “Geometria” course of the Degree in Architecture and Building Engineering of the University of Trento;

Fall 2015 – Teaching assistant of the “Analisi Matematica 2” course of the Degree in Industrial Engineering of the University of Trento;

Fall 2015 – Teaching assistant of the “Geometria 1” course of the Degree in Physics of the University of Trento;

Fall 2014 – Teaching assistant of the “Geometria 1” course of the Degree in Mathematics of the University of Trento;

Fall 2013 – Tutor of the “Computability” course of the Master Degree in Informatics of the University of Trento.

Work experiences

November 2010 - February 2011 – Teaching basic use of personal computers at the “Istituto Santachiara Odpf” in Voghera (PV), Italy.

April 2010 – Coaching activities on basic use of personal computers at the “Istituto Santachiara Odpf” in Voghera (PV), Italy.

Languages

My mother tongue is Italian.

I’m a fluent English reader with good writing skills, and I feel at ease during social, academic and professional interactions. My TOEFL iBT score as of November 2013 is 114/120.

Computer skills and competences

Extensive working knowledge of Windows 95, 98, ME, XP, Vista, 7, 8.

Extensive working knowledge of various Linux distributions, such as Antergos, Arch Linux, Sabayon, Scientific Linux, Ubuntu.

Basic knowledge of Apple IOs.

Extensive working knowledge of Office (release 97 and onwards), of LibreOffice software and of L^AT_EX document preparation system.

Good working knowledge of Matlab 7.0 and Derive 5.

I have obtained ECDL (European Computer Driving License) in 2003, when I was 15.

Other

I am a member of the association FilMat since June 2014.

I am a member of the association AILA since April 2014.

I am a member of the association SELP since December 2011.

I have been a volunteer of the Siticibo project organized by the non-profit association Banco Alimentare from February 2014 until June 2015.

I have been secretary of the association “Consulta Giovanile di Bressana Bottarone” from May 2011 until November 2012.

Due to a heart transplant, I have 80% civil invalidity since June 2001.