

MARTINO BORELLO

Place and date of birth: Milano - July 28, 1986
Nationality: Italian
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- EMPLOYMENT**
- Université de Paris 8** Sep. 2016 - present
Équipe MTII at LAGA (Universités Paris 8 et Paris 13, CNRS)
2 Rue de la Liberté – 93526 Saint-Denis, France
Associate professor (tenure)
Areas of expertise:
 - Coding Theory
 - Lattice Theory
 - Cryptography and Information TheoryMajor activities and outcomes:
 - Teaching of Cryptography and Information Theory (2 courses)
 - Research
- École Polytechnique Fédérale de Lausanne (EPFL)** Sep. 2014 - Aug. 2016
Mathematics Institute for Geometry and Applications
Station 8 - 1015 Lausanne, Switzerland
Scientific Collaborator (postdoc)
Areas of expertise:
 - Coding Theory
 - Lattice TheoryMajor activities and outcomes:
 - Organizer of working seminars
 - Collaboration with Prof. P. Jossen, ETH, Zürich
 - Supervision of 3 projects and 1 master dissertation
 - Teaching Assistant of Algebra (4 courses)
 - 8 published papers and 1 preprints
 - Many invited lectures in international conferences and universities
- Teaching Assistant of Mathematics** Jan. 2011 - Aug. 2014
Università degli studi di Milano-Bicocca
- Tutor – Laboratory of Cryptography** 2013-2014
Istituto Santa Dorotea, I.I.S. Greppi, Liceo Scientifico Cremona
Basic lectures of cryptography and elementary number theory

EDUCATION

Ph.D. in Pure and Applied Mathematics Jan. 2011 – Jan. 2014
 Università degli Studi di Milano–Bicocca
 Thesis title: *Automorphism groups of self-dual binary linear codes with a particular regard to the extremal case of length 72*
 Supervisors: Prof. F. Dalla Volta (Milano–Bicocca) and Prof. M. Sala (Trento)
 Concentration: Coding theory, Algebra, Cryptography

Master of Science (Msc) in Mathematics Jan. 2009 – Jul. 2010
 Università degli Studi di Milano
 Grade: 110/110 cum laude
 Concentration: Algebra, Number Theory, Geometry, Finance, Game Theory

Bachelor of Science (Bsc) in Mathematics Sep. 2005 – Dec. 2008
 Università degli Studi di Milano
 Grade: 110/110 cum laude

MINI-COURSES

- *Crittoanalisi differenziale avanzata* 2010
 Lecturer: Prof. M. Sala (Trento)
- *PHD School on Elliptic Curves in Number Theory and Cryptography* 2011
 Lecturer: Prof. M. Elia (Politecnico di Torino)
- *PHD School on Groebner Bases, Curves, Codes and Cryptography* 2012
 Lecturers: Prof. M. Sala (Trento), Prof. M. Elia (Politecnico di Torino), Prof. M. Giulietti (Perugia) and Prof. T. Mora (Genova)

VISITING POSITIONS

- Otto von Guericke Universität, Magdeburg, Germany Oct. 2011 - Dec. 2011
- Otto von Guericke Universität, Magdeburg, Germany Apr. 2012 - Jun. 2012
- RWTH Aachen University, Aachen, Germany May 2013
- Leibniz Universität Hannover, Hannover, Germany Nov. 2013
- EPFL, Lausanne, Switzerland Mar. 2014 - May 2014

LANGUAGES

Italian: mother tongue
 English: fluent, written and spoken (C1–C2)
 French: fluent, written and spoken (C1–C2)
 German: elementary (A1)

COMPUTER SKILLS

Excellent knowledge of the document markup language LaTeX and of the computer algebra systems MAGMA and Maple
 Good knowledge of Matlab, Office, Cabri and C
 Basic knowledge of Java, Photoshop