

# MARTINO BORELLO

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Place and date of birth: Milan (Italy) – July 28<sup>th</sup> 1986

Nationality: Italian

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**EMPLOYMENT**    **Université de Paris 8** Sep. 2016 – present

Equipe AGAA at LAGA (Universités Paris 8 et Paris 13, CNRS)

2 Rue de la Liberté – 93526 Saint-Denis, France

**Maître de conférences** (tenure)

Areas of expertise:

- Coding Theory
- Lattice and Number Theory
- Cryptography and Information Theory

Major activities and outcomes:

- Organizer of the seminar *Mathématiques Discrètes, Codes et Cryptographie*
- Collaboration with many professors from international institutions
- Supervision of many projects and 2 master dissertations
- Teaching many courses in Algebra, Coding Theory, Combinatorics, Cryptography and Information Theory
- 2 published papers and 3 preprints
- Many invited lectures in international conferences and universities

**Ecole 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 and Number Theory

Major activities and outcomes:

- Organizer of working seminars
- Collaboration with Prof. P. Jossen, ETH, Zurich
- Supervision of 3 projects and 1 master dissertation
- Teaching Assistant of Algebra (4 courses)
- 3 published papers
- Many invited lectures in international conferences and universities

<b>EDUCATION</b>	<b>Ph.D. in Pure and Applied Mathematics</b>	Jan. 2011 – Jan. 2014
	Università degli Studi di Milano–Bicocca	
	Thesis title: <i>Automorphism groups of self-dual binary linear codes with a particular regard to the extremal case of length 72</i> Supervisors: Prof. F. Dalla Volta (Milano–Bicocca) and Prof. M. Sala (Trento) Concentration: Coding theory, Algebra, Cryptography 4 published papers	
	<b>Master of Science (Msc) in Mathematics</b>	Jan. 2009 – Jul. 2010
	Università degli Studi di Milano	
	Grade: 110/110 cum laude	
	Concentration: Algebra, Number Theory, Geometry, Finance, Game Theory	
	<b>Bachelor of Science (Bsc) in Mathematics</b>	Sep. 2005 – Dec. 2008
	Università degli Studi di Milano	
	Grade: 110/110 cum laude	
<b>VISITING POSITIONS</b>	• 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
	• Università degli Studi di Milano–Bicocca, Milano, Italy	July 2018
<b>REVIEWER</b>	Reviewer for Mathematical Reviews, Journal of Algebra, Journal of Number Theory, Discrete Mathematics, IEEE, Ars Mathematica Contemporanea, Journal of Algebra and its Applications, International Journal of Algebra and Computation, Finite Fields and Their Applications, Applicable Algebra in Engineering, Communication and Computing, Advances in Mathematics of Communication	
	Member of the Program Committee of WCC 2019	
<b>SELECTED LECTURES</b>	• <i>On the Euclidean minimum of number fields</i> , XMaths 2015, Bari, Italy	
	• <i>On the stabilizer of weight enumerators of linear codes</i> , Université de Neuchâtel, Switzerland, 2015	
	• <i>Symmetries of weight enumerators</i> , BunnyTN 2016, Trento, Italy	
	• <i>An analogue of Gleasons theorem for binary Reed–Muller codes</i> , contributed talk at Combinatorics, Arco, Italy, 2018	
	• <i>Codes with symmetries</i> , CWC 2019, Barranquilla, Colombia	
<b>RECENT GRANTS</b>	• Projet AAP Paris 8, 1800€	2018
	• Projet Exploratoire Premier Soutien (PEPS) “Jeunes chercheur–e–s”, 2500€	2018
	• Projet Exploratoire Premier Soutien (PEPS) “Jeunes chercheur–e–s”, 3500€	2017