

PERSONAL
INFORMATION

Michela Di Marca



Date of birth 20/01/1991 | Nationality

WORK EXPERIENCE

since Sept 2021

High school teacher in Mathematics and Physics

Liceo Scientifico Leonardo Da Vinci, Genova, Italy

Sector Education

from Oct 2020 to August
2021

Secondary school teacher in Mathematics

European School of Brussels 1 (<https://www.eeb1.com/en/>)

- 12/13 teaching modules (45 minutes each) per week;
- two classes in the English section with full responsibilities of mathematics teaching;
- from 4 to 5 teaching modules a week of support for students with learning disorders;
- submitting and correcting original exercises and tests.

Sector Education

from Oct 2019 to November
2020

Research Consultant

Schestraete Delacourt Associates, Ghent, Belgium (<https://www.s-d-a.eu/en/home>)

- Research and first selection of executive positions (managers, directors) for various multinational companies;
- working on several international assignments with weekly targets;
- first point of contact with candidates for the entire recruitment process;
- market studies to track down best candidates and competitors insights;
- writing formal reports for clients.

Sector Human Resources

from Sept 2018 to June
2019

High school teacher in Mathematics and Physics

Liceo Marconi Delpino, Chiavari, Italy (<https://www.marconidelpino.edu.it/>)

- 14 teaching modules (1 hour each) per week;
- 5 classes in total with full responsibilities of mathematics or physics teaching;
- submitting and correcting original tests;
- practical experiences in the lab for the physics classes;
- differentiated teaching for pupils with learning disorders;
- held 3 extra courses for pupils with insufficient intermediate grades.

Sector Education

from January 2018 to June 2018

High school teacher in Mathematics

I.S.S.S. Firpo-Buonarroti, Genova, Italy (<https://www.firpobuonarroti.edu.it/>)

- 18 teaching modules (55 minutes each) per week, including evening classes for adults;
- 5 classes in total with full responsibilities of mathematics teaching;
- submitting and correcting original tests;
- differentiated teaching for pupils with learning disorders;
- short course of preparation to Mathematical Olympiads for 3 top students;
- part of the internal committee for the final exam for one final-year class.

Sector Education

From 2012 to 2019

University teaching and tutoring (fixed-term contracts)

University of Genova, Genova, Italy and University of Catania, Catania, Italy.

- Tutor "Alternanza Scuola Lavoro", supervising project on gambling addiction with high school students, Istituto Liceti di Rapallo - University of Genova, 2019.
- Teaching assistant for first year students in Mathematics, 53 hours, University of Genova, 2017/2018.
- Teaching assistant for first year students in Mathematics, 58 hours, University of Genova, 2016/2017.
- Teaching assistant for first year engineering students, 61 hours, University of Genova, 2015/2016.
- Tutor for students with insufficient entry test, 16 hours, University of Catania, 2013/2014;
- Teaching assistant for the course Geometry 1 for students in Mathematics, 41 hours, University of Catania, 2012/2013.

Sector Higher Education

EDUCATION AND TRAINING

from November 2014 to December 2017

24CFU for teaching

University of Genova, Genova, Italy

- University courses to have access to the Italian public competition for permanent teachers (competition not released yet)
- 150 hours of study + exams
- Courses: Pedagogy, psychology, anthropology, math education.

PhD in Mathematics and Applications

from November 2014 to
December 2017

- University of Genova, Genova, Italy (<http://www.dima.unige.it/didattica/dottorato/>)
- Thesis: Connectedness properties of dual graphs of standard graded algebras
 - Grade: Excellent

from October 2009 to
November 2014

- Higher education centre diploma**
Scuola Superiore di Catania, Catania, Italy (<http://www.scuolasuperiorecatania.it>)
- Parallel education during university for selected talented students
 - Board and lodging in the college, fees refunded.
 - 8 extra courses attended (30 hours each + exam with grade)
 - Final grade: 70/70 cum laude.

from October 2012 to July
2014

- Master degree in Mathematics**
University of Catania, Catania, Italy
- Grade: 110/110 cum laude

from October 2009 to July
2012

- Bachelor degree in Mathematics**
University of Catania, Catania, Italy
- Grade: 110/110 cum laude

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
IELTS 7.0/9.0 corresponding to the C1 of the CEFR					
French	B1	B1	B1	B1	B1
Delf B1					
Dutch	A1	A1	A1	A1	A1
NT2-Breakthrough Verkort					

Digital skills

SELF-ASSESSMENT

	Information processing	Communication	Content creation	Safety	Problem solving
		Proficient user	Proficient user	Independent user	Independent user

Other skills

- Computer programming: Matlab, C, LaTeX, Macaulay2.

Driving licence

B

ADDITIONAL
INFORMATION

Publications

- Unexpected curves arising from special line arrangements (joint work with Grzegorz Malara and Alessandro Oneto, *Journal of Algebraic Combinatorics* (2018), 1-24.
- On the diameter of an ideal (joint work with Matteo Varbaro), *Journal of Algebra* 511 (2018), 471–485.
- Regularity of line configurations (joint work with Bruno Benedetti and Matteo Varbaro), *J. Pure Appl. Algebra* 222 (2018), no. 9, 2596–2608.
- On the Hilbert function of the tangent cone of a monomial curve (joint work with Marco D'Anna and Vincenzo Micale), *Semigroup Forum*, Vol. 91 (2015), pp 718-730.

Conferences (selection)

- Regularity of line configurations, GTM seminars: some topics in Commutative Algebra and Algebraic Geometry, University of Genova (Italy), February 24th, 2017.
- Upper bounds on the diameter of an ideal, Workshop for Young Researchers in Mathematics, University of Bucharest (Romania), May 19th, 2017.
- Connectedness and regularity for dual graphs of projective curves, EMS Summer School on Multigraded Algebra and Applications, Moieciu de Sus (Romania), August 19th, 2016.
- Dual graphs of projective varieties, Algebra & Geometry seminar at DIMA, University of Genova (Italy), March 16th, 2016.
- On the diameter of dual graphs of projective varieties, Graduate Student Seminar, University of Miami (Florida), February 12th, 2016.
- Connectivity for dual graphs of projective schemes, PhD Seminar, University of Genova, December 11th, 2015.

Honours and awards

- Mittag-Leffler Prize for an excellent Master Thesis, 2014, Stockholm, Sweden.
- "Premio di studio" (scholarship) for being one of the top 3 students in Mathematics in that year, 2010, University of Catania, Italy.

Memberships

- Member of the Italian association for the teaching Physics AIF (<https://www.aif.it/>)
- Member of the association Alumni Scuola Superiore (<http://alumni.ssc.unict.it/>)

References

- Matteo Varbaro, Professore Associato' (Associate Professor) at the University of Genova. Relation: PhD Supervisor. Phone number: +39 3334221651 Email address: varbaro@dima.unige.it
- Marco D'Anna, Professore Associato' (Associate Professor) at the University of Catania. Relation: Bachelor and Master thesis Supervisor, Tutor at Scuola Superiore di Catania. Phone number: +39 957383066 Email address: mdanna@dmi.unict.it
- Emanuela De Negri, Professore Associato' (Associate Professor) at the University of Genova. Relation: Supervisor of tutoring activity at the Department of Mathematics, Supervisor of different projects related to open days and 'Alternanza Scuola-Lavoro'. Phone number: +39 3493938309 Email address: denegri@dima.unige.it