

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

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## ADDITIONAL INFORMATION

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### 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](mailto: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](mailto: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](mailto:denegri@dima.unige.it)