Matteo Varbaro

Personal information

Name	Matteo Varbaro
Address	Via Cei 46/6, 16132, Genoa, Italy
Date of birth	June 18th, 1983
Place of birth	Genoa, Italy
Website	`http://www.dima.unige.it/~varbaro/`

Current and held positions

2020–	**Full Professor**, *Department of Mathematics*, University of Genoa, Italy.
2017–2020	**Associate Professor**, *Department of Mathematics*, University of Genoa, Italy.
2014–2017	**B-type Researcher**, *Department of Mathematics*, University of Genoa, Italy.
2013–2014	**A-type Researcher**, *Department of Mathematics*, University of Genoa, Italy.
2011–2012	**Postdoctoral researcher**, *Department of Mathematics*, University of Genoa, Italy. Supervisor: Aldo Conca

Education

2008–2010	**PhD student in Mathematics and Applications**, University of Genoa, Italy. Advisor: Aldo Conca
2005–2007	**Master student in Mathematics**, University of Genoa, Italy.
2002–2005	**Bachelor student in Mathematics**, University of Genoa, Italy.

Visits

01–05/2024	**Research professor**, *Mathematical Science Research Institute*, Berkeley (CA), USA.
07-08/2017	**Visiting Professor**, *Department of Mathematics of the University of Utah*, Salt Lake City (UT), USA.
11–12/2015	**Short-term visitor**, *Max Planck Institut für Mathematik*, Bonn, Germany.
10/2015	**Research in Pairs**, *MFO*, Oberwolfach, Germany. With Alexandru Constantinescu and Thomas Kahle
02/2015	**Research visitor**, *Centre de Recerca Matemàtica*, Barcelona, Spain.
08–12/2012	**Postdoctoral researcher**, *Mathematical Science Research Institute*, Berkeley (CA), USA. Mentor: Anurag K. Singh
07/2012	**Research in Pairs**, *CIRM*, Trento, Italy. With Alexandru Constantinescu and Thomas Kahle
05–06/2011	**Visit as a Postdoc funded by a Vigoni Project**, University of Osnabrück, Germany.
04–07/2009	**Visit as a PhD student funded by a Vigoni Project**, University of Osnabrück, Germany. Supervisor: Winfried Bruns

Grants, awards and prizes

2022–2024	**Grant: PI of a "PRIN"**, *Proj. n. 2020355B8Y*, Funded by MUR, Amount: 345.920 €.
2018	**Premio Galilei giovani**, Rotary, Distretto 2032.

2016–2017	**Grant: PI on the Italian side of a "MIUR-DAAD Joint Mobility Program"**, *Proj. n. 57267452*, Funded by DAAD-MIUR, Amount: ~ 19.000 €.
2014	**Grant: PI of the P.R.A. "Coomologia étale e risoluzioni di ideali monomiali"**, Funded by the University of Genoa, Amount: ~ 4.000 €.
2013	**Grant: PI of the P.R.A. "Proprietà algebriche delle matroidi"**, Funded by the University of Genoa, Amount: ~ 4.000 €.
2005–2007	**Fellowship for master students in Mathematics**, *INdAM*, Italy.
2002–2005	**Fellowship for bachelor students in Mathematics**, *INdAM*, Italy.

Dissemination

2023	**3 talks (1 in France and 2 in Italy)**, for example.
	January: Talk at the workshop "Written Geometry: Commutative Algebra", CIRM, Luminy (France)
	May: Talk at the "Workshop on Comutative Algebra and Algebraic Geometry in Prime Characteristic" ICTP, Trieste (Italy)
2022	**3 talks (1 in Germany, 1 in France and 1 in Poland)**, for example.
	June: Talk at the workshop "75+80=155 years of Commutative Algebra", Universität Osnabrück (Germany)
	December: Talk at the "AGATES Workshop: Deformation theory" IMPAN, Warsaw (Poland)
2021	**4 talks (4 webinars)**, for example.
	January: Talk at the Oberseminar "Reelle Geometrie und Algebra", Universität Konstanz (Happened vitually)
	August: Talk at "SIAM Conference on Applied Algebraic Geometry" within the special session Commutative algebra and its applications (Happened virtually)
2020	**3 talks (1 in U.S.A and 2 webinars)**, for example.
	February: Talk at the "Combinatorics seminar", University of Miami (Florida) U.S.A.
	June: Talk at the "Fellowship of the ring seminar", MSRI, (Happened virtually).
2019	**5 talks (3 in Italy, 1 in England, Germany)**, for example.
	February: Talk at the "Singularities and Homological Aspects of Commutative Algebra", MFO Oberwolfach (Germany)
	September: Semi-plenary talk at "Congresso UMI 2019", Pavia (Italy)
2018	**3 talks (1 in Germany, Canada, Poland)**, for example.
	June: Talk at the "New Trends in Syzygies" workshop, Banff (Canada)
2017	**1 talk (in Italy):**.
	June: Talk at the workshop "ET'nA", Scuola Superiore di Catania, Italy
2016	**6 talks (2 in Italy, 1 in Switzerland, U.S.A., Japan, Germany)**, for example.
	November: Talk at "38th Symposium on Commutative Algebra in Japan", IPC Hayama, Japan
	December: Talk at the "Asymptotic Phenomena in Local Algebra and Singularity Theory", MFO Oberwolfach (Germany)
2015	**10 talks (4 in Germany, 1 in Spain, Switzerland, Austria, Portugal, South Korea, Italy)**, for example.
	December: Talk at the "MPI-Oberseminar", Max Planck Institut für Mathematik, Bonn, Germany
	August: Talk at "Syzygies in Algebra and Geometry", Busan, South Korea
	February: Talk at "Homological Bonds between Commutative Algebra and Representation Theory", Universitat de Barcelona, Spain
2014	**3 talks (2 in Italy, 1 in Spain)**, for example.
	October: Giornate di Geometria Algebrica e Argomenti Correlati, Castello del Valentino, Torino, Italy
2013	**9 talks (5 in Italy, 1 in France, Germany, England, Vietnam)**, for example.
	November: Talk at the "Commutative Algebra Seminar", University of Sheffield, England
	July: Talk at: "Algebre commutative et ses interations avec la geometrie algebrique", CIRM, Luminy, France
	July: Talk at the workshop celebrating the program "Kombinatorische Methoden in Algebra und Topologie", Universität Osnabrück, Germany

2012	**8 talks (4 in Italy, 4 in U.S.A.)**, for example.
	December: Talk at "Combinatorial Commutative Algebra and its Applications", MSRI, Berkeley (California), U.S.A.
	June: Talk at "Commutative Algebra and Related Topics", Università di Genova, Italy
	January: Talk at "Seminario di Geometria", Università di Firenze, Italy
2011	**3 talks (2 in Germany, 1 in Switzerland)**, for example.
	June: Talk at "Discrete Geometry Seminar", Freie Universität Berlin, Germany
2010	**2 talks (1 in Italy, 1 in France)**, for example.
	November: Talk at: "Algebre commutative et ses interations avec la geometrie algebrique", CIRM, Luminy, France
2009	**2 talks (1 in Italy, 1 in Germany)**, for example.
	June: Talk at "Kollegseminar Kombinatorische Strukturen in Algebra und Topologie", Universität Osnabrück, Germany
2008	**3 talks (2 in Italy, 1 in France)**, for example.
	October: Talk at: "Algebre commutative et ses interations avec la geometrie algebrique", CIRM, Luminy, France

Supervising students and mentoring postdocs

Postdocs	**Anjan Gupta (2016-2018), Lisa Seccia (2021–)**.
PhD students	**Michela Di Marca (2014-2017), Lisa Seccia (2017-2021), Hongmiao Yu (2018–)**.
Master students	**Martina Rovelli (2012), Gabriele Balletti (2014), Hongmiao Yu (2018), Giulia Gaggero (2020), Sara Prunotto (2021), Luca Renzi (2021), Elia Orsi (2022)**.
Bachelor students	**Davide Firato (2017), Giulia Gaggero (2018), Paolo Pesce (2021), Lorenzo Ferraris (2021), Gabriel Russo (2022)**.

Teaching

University of Genoa

2021 –	**Co-tenured of the course "Algebra Lineare and Analisi Numerica* for bachelor students in Computer Science**, *University of Genoa*, Italy.
2018 –	**Coordinator of the reading course on Commutative Algebra for master and PhD students in Mathematics**, *University of Genoa*, Italy.
2017 –	**Tenured of the course "Algebra 2" for bachelor students in Mathematics**, *University of Genoa*, Italy.
2015 – 2017	**Assistant of the course "Algebra 2" for bachelor students in Mathematics**, *University of Genoa*, Italy.
2013 –	**Tenured of the course "Algebra Superiore 2" for master students in Mathematics**, *University of Genoa*, Italy.
2010, 2013	**Tenured of the course "Introduction to local cohomology" for master and PhD students in Mathematics**, *University of Genoa*, Italy.

International

07/2019	**Lectures at "CIME-CIRM Course on Recent Developments in Commutative Algebra"**, *Levico Terme*, Italy, with: Claudia Polini, Claudiu Raicu, Mark E. Walker.
06/2017	**Lectures at the workshop "ET'nA"**, *Scuola Superiore di Catania*, Italy, with Bruno Benedetti, Graham Denham, Alex Suciu.
01/2016	**Lectures at the "Borel seminar 2016: SM'ART"**, *Les Diablerets*, Switzerland, with Laura Anderson, Alex Fink, June Huh, Geordie Williamson.
07/2014	**Assistant of Aldo Conca, Srikanth Iyengar and Anurag Singh in the summer school for PhD students "Pragmatic"**, *Department of Mathematics*, University of Catania, Italy.

09/2012 **Tutorial sessions for the lectures by Holger Brenner at the "Joint Introductory Workshop: Cluster Algebras and Commutative Algebra"**, *MSRI*, Berkeley (California), USA.

Work as reviewer and referee

2008 – **Referee for several mathematical journals**, for example "Inventiones Mathematicae", "Compositio Mathematica", "Transactions of the American Mathematical Society", "International Mathematics Research Notices", "Journal of the London Mathematical Society", "Algebra & Number Theory".

2012–2019 **Reviewer for Mathematical Reviews**.

2008–2012 **Reviewer for Zentralblatt MATH**.

Organization of scientific meetings

2022 **Organizer of the "Workshop on Commutative Algebra and Algebraic Geometry: Dedicated to the Memory of Professor Saro Strano"**, *Department of Mathematics*, University of Catania, Italy.

2015 – **Organizer of the "GTM seminar: Some Topics in Commutative Algebra and Algebraic Geometry"**, a periodic meeting between the universities of Genoa, Milan and Turin, Italy.

2014 **Organizer of the "Meeting on Combinatorial Commutative Algebra" (MOCCA 2014)**, Levico Terme, Italy.

2013–2020 **Coordinator of the weekly "Algebra&Geometry Seminar"**, *Department of Mathematics*, University of Genova, Italy.

Institutional responsabilities

2022– **Responsible of the research committee**, *Department of Mathematics*, University of Genova, Italy.

2017– **Responsible of the committee for the admission to the Master Degree program in Mathematics**, *Department of Mathematics*, University of Genova, Italy.

2016–2017 **Member of the selection-committee for the PhD program "Matematica e Applicazioni"**, *Department of Mathematics*, University of Genova, Italy.

2016–2022 **Member of the research committee**, *Department of Mathematics*, University of Genova, Italy.

2014– **Member of the boarding of the PhD program "Matematica e Applicazioni"**, *Department of Mathematics*, University of Genova, Italy.