

Alessandro ONETO

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1. Work Experience

2026.01 — current **Associate Professor** (MATH-02/A: Algebra)
Università di Genova, Italy
Sector: MATH-02/B - Algebra

2023.04 — 2025.12 **Associate Professor** (MATH-02/B: Geometry)
Università di Trento, Italy
Sector: MATH-02/B - Geometry

2020.04 — 2023.03 **Assistant Professor RTD-b**
Università di Trento, Italy
Sector: MATH-02/B - Geometry

2019.04 — 2020.03 **Humboldt Postdoctoral Fellow**
Otto-von-Guericke-Universität Magdeburg, Germany
mentor: Thomas Kahle

2018.01 — 2019.03 **BGSMath Postdoctoral Fellow**
Universitat Politecnica de Catalunya Barcelona, Spain
mentor: Marta Casanellas

2016.11 — 2017.12 **Postdoctoral Researcher**
INRIA Méditerranée at Université Côte d'Azur
mentor: Bernard Mourrain

2. Education

2012.08 — 2016.07 **Ph.D. in Mathematics**
Stockholm U., Sweden
supervisors: Boris Shapiro, Enrico Carlini (external)

2010.09 — 2012.07 **M.Sc. in Mathematics**
Università di Genova, Italy
supervisor: Maria Virginia Catalisano, Enrico Carlini (external)

2007.09 — 2010.07 **B.Sc. in Mathematics**
Università di Genova, Italy
supervisor: Anthony Vito Geramita

3. Academic Qualifications

2024.08 — 2025.08 **Italian Scientific Habilitation to Full Professor**
in Geometry and Algebra (01/A2)
by MUR (Ministero dell'Università e della Ricerca, Italia)

2020.04 — lifetime **Catalan Habilitation to Lecturer**
Informe favorable per a Professorat Lector
By AQU-Agència per a la Qualitat del Sistema Universitari de Catalunya

4. Research

4.1 Publications and Preprints

4.1.1 Research Papers

- P25 Hadamard-Hitchcock Decompositions: identifiability and computation**
A. Oneto, N. Vannieuwenhoven
Mathematics of Computation, *to appear*, 2026
-
- P24 Postulation for 2-superfat points in the plane**
with Stefano Canino, Maria Virginia Catalisano, Sandro Gimigliano, Monica Idà
Annali dell'Università di Ferrara, 71(4):59, 2025
-
- P23 Decomposition Loci of Tensors**
A. Bernardi, A. Oneto, P. Santarsiero
Journal of Symbolic Computation (Special Issue: MEGA 2024), 131:102451, 2025
-
- P22 Non-defectivity of Segre-Veronese varieties**
H. Abo, M. C. Brambilla, F. Galuppi, A. Oneto
Proceedings of American Mathematical Society Series B, 11:589-602, 2024
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- P21 On schemes evinced by generalized additive decompositions and their regularity**
A. Bernardi, A. Oneto, D. Taufer
Journal des Mathématiques Pures et Appliquées, 188:446-469, 2024
-
- P20 Identifiability for mixtures of centered Gaussians and sums of powers of quadratics**
A. Taveira Blomenhover, A. Casarotti, M. Michałek, A. Oneto
Bulletin of London Mathematical Society 55(5):2407-2424, 2023
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- P19 Strength and slice rank of forms are generically equal**
A. Bik, E. Ballico, A. Oneto, E. Ventura
Israel Journal of Mathematics, 254(1):275-291, 2023
-
- P18 Secant non-defectivity via collisions of fat points**
F. Galuppi, A. Oneto
Advances in Mathematics, 409(B):108657, 2022
-
- P17 On the strength of general polynomials**
with Arthur Bik
Linear and Multilinear Algebra, 70(21):6114-6140 (2022)
-
- P16 The set of forms with bounded strength is not closed**
A. Bik, E. Ballico, A. Oneto, E. Ventura
Comptes Rendus - Série Mathématique, 360:371-380, 2022
-
- P15 Geometric conditions for submultiplicativity of rank and border rank**
E. Ballico, A. Bernardi, F. Gesmundo, A. Oneto, E. Ventura
Annali di Matematica Pura e Applicata, 200:187-210, 2021
-
- P14 The monic rank**
A. Bik, J. Draisma, A. Oneto, E. Ventura
Mathematics of Computations, 89:601-632, 2020
-
- P13 On minimal decompositions of low rank symmetric polynomials**
B. Mourrain, A. Oneto
Linear Algebra and its Applications, 607:347-377, 2020
-
- P12 On the Hilbert function of generic fat points in $\mathbb{P}^1 \times \mathbb{P}^1$**
E. Carlini, M. V. Catalisano, A. Oneto
Michigan Mathematical Journal, 69(3):601-632, 2020
-
- P11 Tangential varieties of Segre-Veronese surfaces are never defective**
M. V. Catalisano and A. Oneto
Revista Matematica Complutense, 33(1):295-324, 2020
-
- P10 Unexpected curves arising from special line arrangements**
M. Di Marca, G. Malara and A. Oneto
Journal of Algebraic Combinatorics, 51:171-194, 2020
-
- P9 Partially symmetric variants of Comon's problem via simultaneous rank**
F. Gesmundo, A. Oneto and E. Ventura
SIAM Journal of Matrix Analysis and Application 40(4):1453-1477, 2019
-

P8 On generic and maximal k-rank of binary forms

S. Lundqvist, A. Oneto, B. Reznick, and B. Shapiro
Journal of Pure and Applied Algebra, 223(5):2062–2079, 2019

P7 On the quantum periods of del Pezzo surfaces with $1/3(1,1)$ singularities

A. Oneto, A. Petracci
Advances in Geometry 18(3):303–336, 2018

P6 Waring-like decompositions of polynomials, 1

M.V. Catalisano, L. Chiantini, A.V. Geramita, A. Oneto
Linear Algebra and its Applications, 533:311–325, 2017

P5 Waring loci and the Strassen conjecture

E. Carlini, M.V. Catalisano, A. Oneto
Advances in Mathematics, 314:630–662, 2017

P4 On the real rank of monomials

E. Carlini, M. Kummer, A. Oneto
Mathematische Zeitschrift, 286(1):571–577, 2017

P3 Mirror symmetry and the classification of orbifold del Pezzo surfaces

M. Akhtar, T. Coates, A. Corti, L. Heuberger, A. Kasprzyk, A. Oneto, A. Petracci, T. Prince and K. Tveiten
Proceedings of American Mathematical Society, 144(2):513–527, 2016

P2 On a class of power ideals

J. Backelin, A. Oneto
Journal of Pure and Applied Algebra, 219(8):3158–3180, 2015

P1 Monomials as sums of k-th powers of forms

E. Carlini, A. Oneto
Communications in Algebra, 43(2):650–658, 2015

4.1.2 Book Chapters

C2 Waring decompositions of special ternary forms with different Hilbert functions

E. Angelini, L. Chiantini
Deformation of Artinian algebras and Jordan type, AMS Series: AMS Contemporary Mathematics (eds. Anthony Iarrobino, Pedro Marias Marques, Maria Evelina Rossi, Janes Valles) from AMS-EMS-SFM Joint Meeting, Grenoble 18–22 July, 2022, to appear, 2024

C1 Minkowski sums and Hadamard products of algebraic varieties

N. Friedenberg, A. Oneto, R. Williams
Combinatorial Algebraic Geometry Selected papers from the 2016 Apprenticeship Program (eds. G.G. Smith, B. Sturmfels), AMS Series: Fields Institute Communications, 2017

4.1.3 Survey

S3 Ranks of tensors: geometry and applications

A. Oneto, E. Ventura
Bollettino dell'Unione Matematica Italiana, special issue: “A projective geometry landscape”, eds. A. Bernardi, C. Fontanari (2018)

S2 The hitchhiker guide to: secant varieties and tensor decompositions

A. Bernardi, E. Carlini, M.V. Catalisano, A. Gimigliano, A. Oneto
Mathematics (issue Decomposability of Tensors, ed. L. Chiantini), 6(12):314, 2018

S1 Algebraic stories from one ad from the other pocket

R. Fröberg, S. Lundqvist, A. Oneto, B. Shapiro
Arnold Journal of Mathematics, 4(2):137–160, 2018

4.1.4 Submitted Pre-Prints

PP3 Hadamard ranks of algebraic varieties

D. Antolini, G. Montúfar, A. Oneto
arXiv:2510.05231, 2025

PP2 Polynomials of small slice rank and strength

C. Flavi, F. Gesmundo, A. Oneto, E. Ventura
arXiv:2509.12322, 2025

PP1 Algebraic surfaces as Hadamard products of curves

D. Antolini, E. Ballico, A. Oneto
arXiv:2502:18813, 2025

4.2 Communications

4.2.1 at Conferences (invited)

2026 Metric Algebraic Geometry

Mittag-Lëffler Institute, Djursholm, Sweden

2025 Gröbner free methods and their applications

U. Bari, Italy

2024 BM60: a workshop for Bernard Mourrain's 60th birthday

Max Planck Institute, Leipzig, Germany

TAGA2024: Tensors Algebra-Geometry-Applications

CSU Fort Collins, Colorado, USA

Rigidity in Action

workshop within Special Semester on Rigidity and Flexibility

RICAM, Linz, Austria

2023 Commutative Algebra @ DIMA - in honor of Maria Evelina Rossi

U. Genova, Italy

SIAM Conference on Applied Algebraic Geometry

session "Tensors in Applications"

TU Eindhoven, The Netherlands

NESS2023 - 36th New England Statistics Symposium

Boston U., USA - hybrid

Commutative Algebra Towards Applications

Politecnico di Torino, Italy

Joint Mathematics Meeting 2023

session "Applications of Tensors in Computer Science"

Boston, USA

2022 Joint Meeting AMS-EMS-SFM

session "Deformation of Artinian algebra and Jordan type"

U. Grenoble, France

Ypatia Conference 2022

École Française Rome, Italy

2021 2nd Computer Science Workshop

U. Genova, Italy

SIAM Conference on Applied Algebraic Geometry

session "Commutative Algebra and its Applications"

Texas A&M U., College Station, Texas, USA - online

2019 Congresso UMI

session "Multilinear Algebra, Algebraic Geometry and Applications"

U. Pavia, Italy

SIAM Conference on Applied Algebraic Geometry

session "The algebra and geometry of tensors, I"

U. Bern, Switzerland

Workshop for Young Researchers in Mathematics

U. Bucharest, Romania

2017 Commutative Algebra, Syzygies and Singularities

U. Nice, France

SIAM Conference on Applied Algebraic Geometry

session "Decomposition and Identifiability of real and complex tensors"

Georgia Tech, Atlanta, Georgia, USA

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- 2014 CMS Winter Meeting**
Hamilton, Ontario, Canada
- Traumatic Workshop: Birational geometry and Fano Varieties**
Imperial College, London, UK

4.2.2 at Conferences (contributed)

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- 2021 MEGA 2021**
U. Tromsø, Norway - online
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- 2020 Algebraic Geometry: varieties, polyhedra and computations
milestone conference of MATH+ Semester**
Zuse Institute, Berlin, Germany
-
- 2017 Summer School (and Workshop) on Syzygies**
FBK, Trento, Italy
-
- 2015 Syzygies in Algebra and Geometry**
Haeundae, South Korea
- Summer School on Real Algebraic Geometry and Optimisation**
Georgia Tech, Atlanta, Georgia, USA
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- 2014 An interdisciplinary approach to tensor decomposition**
FBK, Trento, Italy

4.2.3 at Seminars

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- 2022 Seminari di Geometria Algebrica, Politecnico di Milano, Italy**
Applied Algebraic Geometry Seminar, U. Bologna, Italy
Seminario di Algebra e Geometria, U. di Genova, Italy
IMPANGA, IMPAN Warsaw, Poland, online
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- 2021 Problem Solving Seminar, Stockholm U., Sweden, online**
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- 2020 Tensor Talk, U. Copenhagen, Denmark, online**
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- 2019 Problem Solving Seminar, Stockholm U., Sweden**
Max Plank Institute MiS, Leipzig, Germany
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- 2018 Seminari di Geometria Algebrica, Politecnico di Milano, Italy**
Discrete Math Seminar, U. Bern, Switzerland
Seminario congiunto Matematica-FBK-CIRM, U. di Trento, Italy
Seminario di Algebra e Geometria, U. di Genova, Italy
Seminari de Geometria Algebraica, U. Barcelona, Spain
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- 2017 Séminaire d'algèbre, topologie et géométrie, U. Nice, France**
Algebra and Geometry Seminar, KTH, Sweden
Applied Algebraic Geometry Seminar, BCAM Bilbao, Spain
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- 2016 Seminar in Algebra and Geometry, U. Oslo, Norway**
Algebraic Geometry and Combinatorics, U. Freiburg, Switzerland
Oberseminar des IAG, OVGU Magdeburg, Germany
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- 2015 Quantum Information Seminars, Tech U. Sydney, Australia**
Seminario di Algebra e Geometria, U. Genova, Italy
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- 2014 Algebra & Geometry Seminar, Uppsala U., Sweden**
Junior Geometry Seminar, Imperial College, London, UK

4.3 Grants for research activities

4.3.3 Projects Grants (as Principal Investigator)

- 2025 Principal Investigator PRIN2022SC “Applied Algebraic Geometry of Tensors” (~€208k)**
by MUR - Ministry of University and Research (Italy)
within the scope of the Call for Proposals relating to the scrolling of the final rankings of the call for proposals PRIN2022
Other responsible of local units: Emanuele Ventura (coPI, Poli. Torino), Maria Chiara Brambilla (Poli. Marche), Cristiano Bocci (U. Siena)
Started in February 2025
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- 2022 Accepted Proposal for a PhD position**
by MUR (Italy) within the NRRP Doctoral Scholarships for Public Administration financed through NextGenerationEU program
proposed with Luigi Amedeo Bianchi
Topic: Statistics Education via softwares and digital environments
Started in November 2022

4.3.2 Individual Fellowships

- 2017 Research Fellowship** (24 months, ~€64k)
by Alexander von Humboldt Foundation
used from April 2019 to March 2020 at OVGU Magdeburg
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- 2017 BGSMath Junior Fellowship** (18 months, ~€36k)
by Barcelona Graduate School of Mathematics
used from January 2018 to March 2019 at UPC Barcelona
funded through the Maria de Matzu Unit of Excellence Award (2015-2019)

4.3.2 Projects Grants (as participant)

- 2024 Member of Marie Skłodowska-Curie PhD Network “TENORS”**
PI: Bernard Mourrain (Inria Sophia-Antipolis)
European network offering 15 co-tutored doctoral positions among 11 institutions supported by the European Commission under the HORIZON – MSCA - 2023 - DN-JD project
Topic: Tensor modelling, geometry and optimisation
Started in January 2024
-
- 2023 Member of local unit PRIN2022 “Birational Geometry of Moduli spaces and special varieties”**
PI: Alex Massarenti (U. Ferrara)
Responsible of local units: Elisa Postinghel (U. Trento) Francesco Russo (U. Catania)
Started in September 2023 (member until October 2024)

4.3.3 Travel Grants

- 2022 Financial Support as Junior Leader**
at IMPAN (Warsaw, Poland) by Simons Foundation
to participate to the thematic semester AGATES (Algebraic Geometry with Applications to Tensors and Secants) and teach a mini-course (5 hours) on “Tensors in Classical Algebraic Geometry”
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- 2019 SIAM Early Career Travel Award**
by SIAM - Society for Industrial and Applied Mathematics
to attend SIAM Conference in Applied Algebraic Geometry (Bern, Jul 2019)
- Research in Pairs**
at CIRM (Centro Internazionale di Ricerca Matematica, Trento, Italy)
4 weeks - with F. Gesmundo, E. Ventura
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- 2016 Stiftelsen GS Magnuson Foundation**
by Kungliga Vetenskapsakademie (Sweden)
- C.F. Liljevalch Resedtipendie**
by Stockholm U. - Faculty of Science (Sweden)
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- 2015 Stiftelsen GS Magnuson Foundation**
by Kungliga Vetenskapsakademie (Sweden)

Christer Lech stipendium
by Christer Lech Foundation (Sweden)

2014 Jubileumsfond
by Knut and Alice Wallenberg Foundation (Sweden)

Donation stipendium
by Stockholm U. - Faculty of Science (Sweden)

4.3.4 Other Financial Supports

2025 Financial Support for Conference
by CIRM (Centro Internazionale di Ricerca Matematica, Trento, Italy)
with E. Guardo, P. Santarsiero
Title: "INABAG Conference 2025"
Trento, Italy, 30 June - 2 July 2025

Financial Support for Summer School
by Lie-Strømmer Center, Norway
with K. Kohn, P. Santarsiero, E. Turatti
school: "TiME 2025: Invariant Theory"
Tromsø, Norway, 26-30 May 2025

2022 Financial Support for Teaching Innovation Project
by FormID (Teaching and Learning Center), U. Trento
topic: Formative assessment in a Linear Algebra course for engineers

2021 Financial Support for Outreach Activities
by INDAM - Istituto Nazionale di Alta Matematica, Italy
with M. Andreatta, A. Del Zozzo, F. Fiore, A. Montresor
topic: implementation of a dissemination protocol between University, School and Society

2019 Financial Support for EMS Summer School
by EMS (European Mathematical Society) and
by CIRM (Centro Internazionale di Ricerca Matematica, Trento, Italy)
with M. Gallet, K. Kohn, M. Panizzut, E. Ventura
school: "TiME 2019: Curves and Surfaces"
Levico Terme, Italy, 2-6 September 2019

5. Teaching and Mentoring

5.1 Teaching

5.1.1 at International Events

at University of Warsaw

2022 Tensors and secant varieties in classical algebraic geometry
Mini-course at introductory school for thematic semester AGATES (5 hours)
Warsaw U., Poland

5.1.2 as Instructor

at University of Trento

2023 – 2025 Algebraic Geometry I - with E. Ballico
for graduate and master students in Mathematics

2021 – 2025 Geometry and Topology for Data Analysis
for graduate and master students in Mathematics

2021 – 2025 Geometria e Algebra Lineare
for 1st year students in Industrial Engineering

at Stockholm University

2015 – 2016 Mathematik III: Abstract Algebra
for bachelor students in Mathematics

5.1.3 as Teaching Assistant

at Monash University

2015 **Algebra and Number Theory**
grading, instructor: E. Carlini
for bachelor students in Mathematics - Monash U., Australia

at Stockholm University

2014 **Extraseminars: Abel's Theorem in Exercises and Solutions**
lecturing and tutoring - instructor: B. Shapiro
for best 1st year students in Mathematics - Stockholm U., Sweden

at University of Genoa

2011 **Geometria I**
exercise sessions and tutoring - instructor: M. V. Catalisano
for 1st year students in Civil Engineering - U. Genova, Italy

5.2 Mentoring

5.2.1 Graduate Students

at University of Trento

since 2024 **Oriol Reig Fité**
(as co-supervisor) main supervisors: Alessandra Bernardi, Bernard Mourrain (Inria)

since 2023 **Dario Antolini**
co-supervised with Elisa Postinghel

since 2022 **Carlotta Vielmo**
co-supervised with Luigi Amedeo Bianchi, Mirko Maracci (U. Pisa)

5.2.2 Internships

at University of Trento

2021
3 months **Valerio Rubino**
Dimensionality reduction for neuroimaging data
co-supervised with Giuseppe Jurman (FBK)

5.2.3 Master Students

at University of Trento

Spring 2026
expected **Ilaria Pellegrinelli**
co-supervisor: Vincenzo Galgano (MPI-CBG Dresden)

Martino Lepri
co-supervisor: Marina Garrote (U. Pompeu Fabra, Barcelona)

Enrico Maria Ferrari
co-supervisor: Carles Casacuberta (U. Barcelona)

Marianna Zampini
co-supervisor: Claudia Landi (U. Modena-Reggio Emilia)

Winter 2025 **Giacomo Parolin** - *Differentiable Euler Characteristic Transform for Molecular Prediction*
co-supervisor: Bastian Rieck (U. Freiburg)

Spring 2025 **Andrea Martinelli** - *Towards Stability for Deep Learning via Topological Data Analysis*
co-supervisor: Martina Scolamiero (KTH Stockholm)

Spring 2024 **Ioannis-Panagiotis Ioannidis** - *Analysis of the impacts of Panama canal closure and red sea conflict on the shipping industry*
(as co-supervisor) main supervisor: Diego Giuliani

Fall 2023 **Surbhi Malothra** - *Multi-omics integrative analysis via tensor decomposition techniques*
(as co-supervisor) main supervisor: Mario Lauria

Spring 2023	Giulia Bazzucco - <i>Multivariate function approximation via Chebyshev interpolation and Tucker decomposition</i> co-supervisor: Nick Vannieuwenhoven (KU Leuven) Matteo Tomasi - <i>Matematici per Gioco: un laboratorio matematico all'interno del Festival della Scienza 2022</i> co-supervisor: Agnese Del Zozzo
Winter 2022	Davide Tezza - <i>Design automatization of Quantum Machine Learning algorithms</i> co-supervisor: Massimiliano Incudini (U. Verona & Data Reply)
Spring 2021	Helena Beltrani - <i>Financial crashes: topological data analysis and wavelets analysis</i> co-supervisor: Alfredo Peris (U. Valencia)

5.2.4 Bachelor Students

at University of Trento

Spring 2025	Leon Vaia - <i>Discrete Morse Theory</i> Maia Santi - <i>Menecmo e la cubica gobba: una storia per avvicinare alla geometria algebrica</i>
Fall 2022	Luis Abaitua - <i>Persistent Homology and Applications to speech recognition</i> Erasmus student from UPV/EHU U. Basque Country, Spain

at Stockholm University

Spring 2015	George Mouselli - <i>Apolarity Theory and Macaulay's Theorem</i>
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6. Organisational Activities

6.1 Conferences, Workshops, Masterclasses

2026 3 - 4 Sep	INABAG Conference 2026 organised with C. Bocci, M. C. Brambilla, E. Ventura Siena, Italy
2025 30 Jul - 2 Ago	INABAG Conference 2025 organised with E. Guardo, P. Santarsiero Trento, Italy
2024 14-16 Nov	XXIII Congresso SISM organised with: Ana Maria Alonso Rodriguez, Marco Andreatta, Adriano Demattè, Claudio Fontanari, Stefano Gattei Trento, Italy
2024 25-29 Oct	Masterclass: Tensor Decompositions and Applications in Multi-Omics Data Analysis teacher: N. Tokcan (U. Boston) organised within TensorDec Lab - U. Trento, Italy
2023 9-13 Oct	Masterclass: Introduction to Computer Vision teacher: K. Kohn (KTH Stockholm) organised within TensorDec Lab - U. Trento, Italy
2022 17-21 Oct	Masterclass: Introduction to Algebraic Statistics teacher: K. Kubias (Aalto U., Finland) organised within TensorDec Lab - U. Trento, Italy
2021 8-17 Nov	Masterclass: Tensor Decompositions and Applications teacher: N. Vannieuwenhoven (KU Leuven) organised within TensorDec Lab - U. Trento, Italy
2018 10-14 Sep	Tensors Workshop organised with: A. Boralevi, E. Carlini, L. Gatto, F. Vallarino Politecnico di Torino, Italy
2018 22-24 Mar	IPPI Workshop (Ideals of Powers and Powers of Ideals) organised with: E. Carlini, G. Casnati, E. Guardo, F. Ragusa Politecnico di Torino, Italy

2016
12-13 May **Stockholm-Uppsala mini-conference for graduate students**
organised with: O. Bergvall, A. Serio, G. Sædén Sthål
Stockholm U., Sweden

6.2 Special Sessions

2023
10-14 Jul **Tensors in Algebraic Geometry**
at SIAM Conference in Applied Algebraic Geometry
organised with: F. Gesmundo, P. Santarsiero, L. Sodomaco
TU Eindhoven, The Netherlands

2021
16-20 Aug **The Algebra and Geometry of Tensors I**
at SIAM Conference in Applied Algebraic Geometry
organised with: N. Vannieuwenhoven
Texas A&M U., College Station, Texas, USA

2019
9-13 Jul **The Algebra and Geometry of Tensors: structured Tensors**
at SIAM Conference in Applied Algebraic Geometry
organised with: E. Angelini, E. Carlini
U. Bern, Switzerland

6.3 Schools

2026
31 Aug-2 Sep **INABAG School 2026**
teachers: K. Kohn, F. Holweck
organised with C. Bocci, M. C. Brambilla, E. Ventura
Siena, Italy

2025
26-30 May **TiME 2025 - Invariant Theory: from classics to modern developments**
teachers: G. Ottaviani, H. Derksen, K. DeVleming, M. Walter
organised with K. Kohn, P. Santarsiero, E. Turatti
Lie-Strømmer Center, Tromsø U., Norway

2019
2-6 Sep **TiME 2019 - Curves and Surfaces: a history of shapes**
teachers: L. Busé, F. Catanese, E. Postinghel
organised with: M. Gallet, K. Kohn, M. Panizzut, E. Ventura
Levico Terme, Italy

6.4 Seminars

2024 – 2025 **Comunicazione della Matematica**
with L. A. Bianchi
U. Trento, Italy

2023 – 2025 **Math Colloquium**
with V. Agostiniani, A. Pinamonti, E. Postinghel, M. Stanojkovski
U. Trento, Italy

2020 – 2022 **What is... Seminar**
U. Trento, Italy

2020 – 2021 **Comunicazione, Storia e Filosofia della Matematica**
with C. Fontanari
U. Trento

2014 – 2016 **Problem Solving Seminar**
with R. Fröberg, G. Nenashev, B. Shapiro
Stockholm U., Sweden

2014 – 2016 **Graduate Student Seminar**
with O. Bergvall, G. Balletti, G. Sædén Sthål
Stockholm U. and KTH, Sweden

6.5 Outreach

2023 – 2026	Hex: una lezione di topologia su scacchiera a lecture for high school students offered at the Department of Mathematics of U. Trento and U. of Genova
2025	Acconciature, Trecce, Cravatte laboratory activity for schools on the theory of Braid Groups Organised with: A. Del Zozzo presented at Festival della Scienza di Genova 2025
	Moltiplichiamo! Tra regoli, immagini e reti neurali laboratory activity for schools about various types of multiplications, from operations with numbers to those between matrices, with the aim of discovering that matrix operations are the basis of many computer applications: from image recognition to recommendation algorithms Organised with: A. Bernardi, M. Stanojkovski, E. Postinghel presented at BergamoScienza 2025
2024	Per imparare bisogna sbagliare laboratory activity for schools on Reinforcement Learning organised with: L. A. Bianchi, M. Santi, C. Vielmo presented at Festival della Scienza di Genova 2024; BergamoScienza 2025
2022 – 2023	Matematici per Gioco laboratory activity for the general audience on the relation between games and mathematics organised with: M. Tomasi, C. Vielmo, A. Del Zozzo at Festival della Scienza di Genova 2022; EDUCA Rovereto 2023; BergamoScienza 2023
2022	A dissemination protocol between University, School and Society collaborative path between researchers, undergraduate students and high school students to implement outreach activities at U. Trento supported by INdAM - Istituto Nazionale di Alta Matematica organised with A. Del Zozzo, C. Vielmo, M. Andreatta in collaboration with FabLab UniTrento
2019	Recostruint l'evolució amb matemàtiques interactive workshop for high school students on phylogenetic mathematical models for the organised with: M. Garrote Lòpez, M. Casanellas “International day of women and girls in science” at the Inst. d’Estudis Catalans, Barcelona
2018	Formae Mathematicae a full-day event with laboratories, expositions and seminars organised with: M. Garrote Lòpez for the “European Researchers’ Night” at Dipòsit del Rei Martí, Barcelona

7. Others

7.1 Institutional Responsibilities

Oct 2021 – Present	Member of Osservatorio Dottorati UMI (Unione Matematica Italiana) board taking care of relationship between UMI and PhD programs in mathematics at Italian universities
May 2020 – Present	Member of Academic Board (Collegio Docenti) of PhD program in Math U. di Trento, Italy
2024 – 2025	Member of “Commissione Paritetica” Department of Mathematics, U. Trento, Italy
2021 – 2025	Member of several Hiring Committees for postdoctoral research grants Department of Mathematics, U. Trento, Italy
2023	Member of Hiring Committee for PhD program in Mathematics Department of Mathematics, U. Trento, Italy
2008 – 2010	Elected Undergraduate Students’ Representative at DIMA - U. Genova, Italy

7.2 Mathematical Societies Memberships

2021 — Present **EMS (European Mathematical Society)**
SIAM (Society for Industrial and Applied Mathematics)
UMI (Unione Matematica Italiana)

7.3 Services

2021 — Present **Co-administrator of webpage of UMI (Unione Matematica Italiana)**
with L. A. Bianchi

2019 — Present **Reviewer for Zentralblatt MATH**

2015 — Present **Reviewer for Mathematical Reviews**

2015 — Present **Referee for several international mathematical journals**
Algebra & Number Theory, Annali U. Ferrara, Crelle, Collectanea Mathematica, Geometry & Topology, Journal of Algebra, Journal of Pure and Applied Algebra, Journal of Symbolic Computations, Le Matematiche, Linear and Multilinear Algebra, Mathematische Nachrichten, Optimisation Letters, Portugaliae Mathematica, SIAM Journal on Applied Algebra and Geometry, SIAM Journal on Matrix Analysis and Applications, Selecta Mathematica

Genova
January 11th, 2026
Alessandro Oneto