

Francesco Veneziano

Curriculum vitæ

Born: 6th July, 1984 • Palermo, Italy
Nationality: Italian
Work address: Dipartimento di Matematica
Università degli Studi di Genova
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16146 Genova, Italia
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Home page: <https://fvenez.github.io>

Academic positions

Oct 2022–Current Associate professor (*professore associato*) at the Università degli Studi di Genova.
Oct 2019–Sep 2022 Researcher on tenure-track (*ricercatore di tipo B*) at the Università degli Studi di Genova.
Mar 2018–Sep 2019 Junior Visitor at the Centro di Ricerca Matematica Ennio de Giorgi of the Scuola Normale Superiore di Pisa.
Apr 2015–Feb 2018 Research assistant (*wissenschaftlicher Mitarbeiter*) at Universität Basel.
Oct 2014–Mar 2015 Research assistant (*wissenschaftlicher Mitarbeiter*) at Technische Universität Darmstadt.
Oct 2013–Aug 2014 Research assistant at Technische Universität Graz.
Apr 2012–Oct 2013 Research assistant (*wissenschaftlicher Mitarbeiter*) at Georg-August-Universität Göttingen.
Sep 2011–Apr 2012 Research assistant (*wissenschaftlicher Mitarbeiter*) at Universität Basel.



Studies

- 2011 Diploma di Perfezionamento (PHD) in Mathematics of the Scuola Normale Superiore di Pisa, mark 70/70 *con lode*.
 Thesis: *Quadratic integral solutions to double Pell equations*.
 Supervisor: Umberto Zannier.
- 2008 Final diploma for the five-year *corso ordinario* of the Scuola Normale Superiore, mark 70/70.
 Title: *La finitezza dei punti S-interi su curve*.
 Supervisor: Umberto Zannier.
- 2007 Master's degree (It: *laurea specialistica*) in Mathematics at the University of Pisa, mark 110/110 *con lode*.
 Thesis: *Il teorema di Siegel come applicazione del Teorema del sottospazio*.
 Supervisor: Umberto Zannier.
- 2005 Bachelor's degree (It: *laurea triennale*) in Mathematics at the University of Pisa, mark 110/110 *con lode*.
 Thesis: *Il teorema di Polya ed alcune generalizzazioni*.
 Supervisor: Roberto Dvornicich.

Research interests

Arithmetic geometry & Number theory • Diophantine approximation & Schmidt's Subspace Theorem • Continued fractions • Effective results in number theory • Rational and integral points on algebraic varieties • Anomalous intersections in algebraic groups • Points of bounded degree on algebraic varieties • Proof assistants and computer-formalized mathematics • Machine learning and games

Publications

PEER-REVIEWED WORKS

- 2025 *The field of iterates of a rational function*.
 In collaboration with S. VISHKAUTSAN.
Journal de théorie des nombres de Bordeaux. Vol. 37 (2), pp. 691–709.
 DOI: <https://doi.org/10.5802/jtnb.1337>
- 2025 *Classification of rational angles in plane lattices II*.
 In collaboration with R. DVORNICICH, D. LOMBARDO and U. ZANNIER.
Math. Ann. (2025)
 DOI: <https://doi.org/10.1007/s00208-025-03214-6>



- 2024 *Learning to Play 7 Wonders Duel Without Human Supervision.*
 In collaboration with G. PAOLINI, L. MORESCHINI and A. IRACI.
2024 IEEE Conference on Games.
 DOI: <https://doi.org/10.1109/CoG60054.2024.10645555>
- 2023 *Hyperelliptic continued fractions in the singular case of genus zero.*
 In collaboration with F. BALLINI.
Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Vol. 33 (4), pp. 795–832.
 DOI: <https://doi.org/10.4171/rIm/989>
- 2022 *Finiteness and periodicity of continued fractions over quadratic number fields.*
 In collaboration with T. VÁVRA and Z. MASÁKOVÁ.
Bulletin de la Société Mathématique de France. Vol 150 (1), pp. 77–109.
 DOI: <https://doi.org/10.24033/bsmf.2845>
- 2022 *On the integral values of a curious recurrence.*
 In collaboration with R. DVORNICICH and U. ZANNIER.
Riv. Math. Univ. Parma. Vol. 13 (1), pp. 1–18.
 Url: <http://www.rivmat.unipr.it/vols/2022-13-1/01-dvornicich.html>
- 2022 *Classification of rational angles in plane lattices.*
 In collaboration with R. DVORNICICH and U. ZANNIER.
Bull. Amer. Math. Soc. Vol. 59 (2). DOI: <https://doi.org/10.1090/bull/1723>
- 2021 *Explicit height bounds for K -rational points on transverse curves in powers of elliptic curves.* In collaboration with E. VIADA.
Pacific J. Math. 315 (2), pp.477–503. DOI: <https://doi.org/10.2140/pjm.2021.315.477>
- 2020 *A note on the zeroes of the Fredholm series.*
 Article by U. ZANNIER with appendix by F. VENEZIANO.
Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. Vol. 31 (4), (2020) pp. 651–666.
 DOI: <https://doi.org/10.4171/rIm/909>
- 2019 *The explicit Mordell Conjecture for families of curves.*
 In collaboration with S. CHECCOLI and E. VIADA, with an appendix by M. STOLL.
Forum of Mathematics Sigma. Vol. 7, (2019), e31.
 DOI: <http://dx.doi.org/10.1017/fms.2019.20>
- 2019 *Hyperelliptic continued fractions and generalised Jacobians.*
 In collaboration with L. CAPUANO, P. JOSSEN and C. KAROLUS.
 Chapter in *Arithmetic and Geometry: Ten Years in Alpbach*, edited by G. Wüstholz and C. Fuchs. **Annals of Mathematics Studies 202.** Princeton University Press.
 Url: <https://press.princeton.edu/titles/30376.html>
- 2019 *An effective criterion for periodicity of ℓ -adic continued fractions.*
 In collaboration with L. CAPUANO and U. ZANNIER.
Mathematics of Computation. Vol. 88, No. 318 (July 2019) pp. 1851–1882.
 DOI: <https://doi.org/10.1090/mcom/3385>



- 2018 *Pisot unit generators in number fields.* In collaboration with T. VÁVRA.
Journal of Symbolic Computation 89 (2018), pp. 94–108.
 DOI: <https://doi.org/10.1016/j.jsc.2017.11.005>
- 2017 *On the explicit torsion anomalous conjecture.*
 In collaboration with S. CHECCOLI and E. VIADA.
Trans. Amer. Math. Soc. 369 (2017), pp. 6465–6491.
 DOI: <https://doi.org/10.1090/tran/6893>
- 2014 *On torsion anomalous intersections.*
 In collaboration with S. CHECCOLI and E. VIADA.
Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. 25 (1), (2014) pp. 1–36.
 DOI: <https://doi.org/10.4171/RLM/666>
- 2012 *A sharp Bogomolov-type bound.* In collaboration with S. CHECCOLI and E. VIADA.
New York Journal of Mathematics 18 (2012), pp. 891–910.
 Url: <http://nyjm.albany.edu/j/2012/18-45.html>
- 2011 *Quadratic integral solutions to double Pell equations.*
Rend. Semin. Mat. Univ. Padova 126 (2011), pp. 47–61.
 DOI: <https://doi.org/10.4171/RSMUP/126-3>

PREPRINTS

p-adically convergent loci in varieties arising from periodic continued fractions.

In collaboration with L. CAPUANO, M. MULA and L. TERRACINI.

Url: <https://arxiv.org/abs/2402.00739>

On the disk of convergence of algebraic power series.


In collaboration with U. ZANNIER.

Url: <https://arxiv.org/abs/2512.00452>

Achieving Expert-Level Performance in 7 Wonders Duel Through Deep Reinforcement Learning.

In collaboration with G. PAOLINI, L. MORESCHINI and A. IRACI.

Lectures and Seminars

- March 2026 *Rational angles in plane lattices*, at the university of Grenoble.
- Dec 2025 *On the disk of convergence of algebraic power series*, during the December workshop in Number Theory, in Pisa.
- Nov 2025 *The field of definition of the iterates of a rational function*, during the conference *Diophantine approximation and transcendence*, in Luminy.
- Jan 2025 *The field of iterates of a rational function*, during the *Udine 2025 - Number Theory Conference*.
- Aug 2024 *Rational angles in plane lattices*, during the study week on arithmetic of the Scuola Normale Superiore, in Cetraro.
- May 2024 *Rational angles in plane lattices*, at the university of Roma 3. ( [Slides](#))



- Jan 2024 *Rational angles in plane lattices*, during the 13th Swiss-French workshop on algebraic geometry, in Charmey.
- Sep 2023 *Angoli razionali tra punti in un reticolo piano*, at the XXII congress of the Unione Matematica Italiana, in Pisa.
- Jan 2023 *Rational angles in plane lattices: a complete classification*, at the Scuola Normale Superiore, in Pisa.
- Oct 2022 *Angoli razionali tra punti in un reticolo piano*, in the Algebra & Geometry seminar, in Genova.
- Jul 2022 *β -continued fractions over quadratic number fields*, during the study week on arithmetic of the Scuola Normale Superiore, in Cetraro.
- May 2022 *Rational angles between points in a plane lattice*, during the Genova-Graz Number Theory Workshop, in Genova.
- Nov 2021 *Angoli razionali tra punti in un reticolo piano*, at the Scuola Normale Superiore, in Pisa.
- Oct 2020 *Finiteness and periodicity of continued fractions over quadratic number fields*, in the One World Numeration Seminars cycle, online. ([📄 Slides](#))
- Jul 2020 *Rational angles between elements in a plane lattice*, during the study week on arithmetic of the Scuola Normale Superiore, in Cetraro.
- Oct 2019 *Rational points on explicit families of curves*, at the Charles University of Prague.
- Oct 2019 *An effective criterion for periodicity of ℓ -adic continued fractions*, at the Czech Technical University of Prague.
- Oct 2019 *Finiteness of β -continued fractions over quadratic number fields*, during the 4th Number Theory Meeting, in Torino.
- Sep 2019 *An effective criterion for periodicity of ℓ -adic continued fractions*, during the GMT workshop, in Genova.
- Jul 2019 *Hyperelliptic continued fractions in the nonsingular case of genus zero*, during the study week on arithmetic of the Scuola Normale Superiore, in Cetraro.
- Oct 2018 *An effective criterion for periodicity of ℓ -adic continued fractions*, at the Université de Caen Normandie.
- Sep 2018 *Plane lattices whose elements form angles which are rational multiples of π* , during the study week on arithmetic of the Scuola Normale Superiore, in Cetraro.
- Jul 2018 *An effective criterion for periodicity of ℓ -adic continued fractions*, during the conference *Dynamical Methods in Algebra, Geometry and Topology*, in Udine.
- May 2018 *An effective criterion for periodicity of ℓ -adic continued fractions*, during the conference *Numeration 2018*, in Paris.
- Aug 2017 *An effective criterion for periodicity of ℓ -adic continued fractions*, at the Universität Basel.
- Jul 2017 *An effective criterion for periodicity of ℓ -adic continued fractions*, in Cetraro.
- Jul 2017 *Rational points on curves in powers of elliptic curves*, during the workshop *Rational Points 2017* in Schney.
- Jun 2017 *Unlikely intersections and the effective Mordell–Lang conjecture*, during the *Journées Algophantiennes Bordelaises 2017* in Bordeaux.
- May 2017 *Anomalous intersections and the effective Mordell–Lang conjecture*, during the *Basel-Dijon Seminar* in Basel.
- Nov 2016 *The height of subvarieties*, at the Universität Basel.



- Sep 2016 *Rational points on some families of curves*, during the conference *Geometric and Analytic Number Theory*, at ETH Zürich.
- Feb 2016 *Rational points on explicit families of curves*, during the conference *Computational Aspects of Diophantine Equations*, in Salzburg.
- Jan 2016 *Rational points on explicit families of curves*, at the Institut Fourier, in Grenoble.
- Jan 2016 *Rational points on explicit families of curves*, during the *5th Swiss-French workshop on algebraic geometry*, in Charmey.
- Sep 2015 *Some explicit cases of the Torsion Anomalous Conjecture*, during the *Third Italian Number Theory Meeting*, in Pisa.
- Mar 2015 *Torsion-anomalous Intersections*, during the *Winter seminar of the Darmstadt algebra group*, in Manigod.
- Oct 2014 *The first step in the direction of Bombieri-Vinogradov*, at the Technische Universität Darmstadt.
- Jul 2014 *Formal groups*, during the workshop *Periods and heights of CM abelian varieties*, in Alpbach.
- May 2014 *Bounds for the greatest common divisor between values of certain exponential sequences*, during the *Workshop on diophantine problems* in Graz.
- Feb 2014 *Torsion-anomalous Intersections*, during the conference *Unlikely Intersections* in Luminy.
- Dec 2013 *Torsion-anomalous Intersections*, during the workshop *Heights in Diophantine Geometry, Group Theory and Additive Combinatorics* in Vienna.
- Nov 2013 *Torsion-anomalous Intersections*, at Universität Salzburg.
- Oct 2013 *Torsion-anomalous Intersections*, during the conference *Méthodes diophantiennes*, in Besançon.
- Jul 2013 *Torsion-anomalous Intersections*, at TU Graz.
- Jun 2013 *About Dirichlet's theorem on primes in arithmetic progressions*, at Georg-August-Universität Göttingen.
- Mar 2013 *Torsion-anomalous Intersections*, at Adam Mickiewicz University Poznań.
- Feb 2013 *Anomalous intersections and the effective Mordell-Lang conjecture*, at Georg-August-Universität Göttingen.
- Jan 2013 *Anomalous intersections in diophantine geometry*, at Georg-August-Universität Göttingen.
- Jun 2012 *A primer on anomalous intersections*, at Georg-August-Universität Göttingen.
- Jan 2012 *Arithmetic geometry, heights, and anomalous intersections*, at Georg-August-Universität Göttingen.
- Oct 2011 *Bounds on the number of points "with small denominator" on algebraic curves*, at ETH Zürich.
- Sep 2011 *Punti interi quadratici su curve di genere 1 definite da una doppia equazione di Pell*, during the XIX congress of the Unione Matematica Italiana in Bologna.
- May 2011 *An effective version of Siegel's theorem on integral points in the function field case*, at Universität Basel.
- Sep 2010 *Quadratic integral solutions to double Pell equations*, during the workshop *Approximation diophantienne et transcendance* in Luminy.
- Jun 2010 *An effective Siegel theorem for function fields*, at the Scuola Normale Superiore di Pisa.



Dec 2009 *Graduate students Seminar*, at the Scuola Normale Superiore di Pisa.

Conferences, workshops & other scientific activities

- 20–22 Apr 2026 *The 9th mini symposium of the Roman Number Theory Association*, in Roma.
- 12–14 Feb 2026 *Fourth Italian Number Theory Conference*, in Torino.
- 5–6 Feb 2026 *GTM workshop*, in Genova.
- 8–9 Gen 2026 *Prospettive sulla matematica: dalla filosofia all’informatica*, in Udine.
- 4–5 Dec 2025 *December workshop in Number Theory*, in Pisa.
- 10–14 Nov 2025 *Diophantine approximation and transcendence*, in Luminy.
- 4–6 Sep 2025 *XXXVIII convegno UMI-CIIM*, in Genova.
- 26–31 Jul 2025 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 23 May 2025 *Arithmetica Transalpina*, in Genova.
- 20–23 Jan 2025 *Young researchers in Galois Representations*, in Genova.
- 13–17 Jan 2025 *14th Swiss-French workshop on algebraic geometry*, in Charmey.
- 8–10 Jan 2025 *Udine 2025 - Number Theory Conference*, in Udine.
- 10–11 Sep 2024 *Séminaire Méditerranéen de Géométrie Algébrique*, in Genova.
- 27–31 Aug 2024 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 20–26 Aug 2024 *Third JNT biennial Conference*, in Cetraro.
- 8–10 Jul 2024 *Italy - France Analytic Number Theory Workshop*, in Genova.
- 25–29 Mar 2024 *LEAN for the curious mathematician*, in Luminy.
- 29 Jan–2 Feb 2024 *13th Swiss-French workshop on algebraic geometry*, in Charmey.
- 22–26 Jan 2024 *Fano and Hyperkähler varieties in Genova*, in Genova.
- 27–28 Oct 2023 *Commutative algebra @ DIMA*, in Genova.
- 4–9 Sep 2023 *XXII congress of the Unione Matematica Italiana*, in Pisa.
- 23–27 Jul 2023 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 8–9 Jun 2023 *GMT workshop*, in Genova.
- 4–7 May 2023 *7th mini symposium of the Roman Number Theory Association*, in Rome.
- 2–3 May 2023 *LEAN workshop*, in Rome.
- 17 Apr 2023 *Lezione leonardesca*, in Milano.
- 22–23 Sep 2022 *6th Number Theory Meeting*, in Torino.
- 24–27 Jul 2022 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 30 May–1 Jun 2022 *Genova-Graz Number Theory Workshop*, in Genova.
- 23–25 May 2022 *La grandezza dei punti piccoli*, in Pisa.
- 30 Sep–1 Oct 2021 *Ricercatori in Algebra e Geometria 2020*, in Pisa.
- 20–24 Sep 2021 *10th Swiss-French workshop on algebraic geometry*, in Charmey.
- 26–29 Jul 2021 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 12–16 Apr 2021 *Unlikely intersections, Diophantine geometry, and related fields*, online.
- Feb 2021 *NT Online 2021*.
- 27–30 Jul 2020 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 13–17 Jan 2020 *9th Swiss-French workshop on algebraic geometry*, in Charmey.
- 8 Nov 2019 *Math Young Researcher Meeting 2019*, in Genova.
- 24–25 Oct 2019 *4th Number Theory Meeting*, in Torino.
- 26–27 Sep 2019 *GMT workshop*, in Genova.



- 2–13 Sep 2019 *Topics in Rational and Integral Points*, in Basel.
- 28 Jul–1 Aug 2019 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 22–26 Jul 2019 *First JNT biennial Conference*, in Cetraro.
- 10–12 Apr 2019 *5th mini symposium of the Roman Number Theory Association*, in Rome.
- 7–11 Jan 2019 *8th Swiss-French workshop on algebraic geometry*, in Charmey.
- 9–10 Nov 2018 *Il punto di vista geometrico*, at Istituto Veneto di Scienze, Lettere ed Arti, Venezia.
- 10–14 Sep 2018 *Diophantine Approximation and Transcendence*, in Luminy.
- 1–5 Sep 2018 *Study week on arithmetic of the Scuola Normale Superiore*, in Cetraro.
- 4–6 Jul 2018 *Dynamical Methods in Algebra, Geometry and Topology*, in Udine.
- 1–2 Jun 2018 *Number Theory Days 2018*, in Basel.
- 22–25 May 2018 *Numeration 2018*, in Paris.
- 8–12 Jan 2018 *7th Swiss-French workshop on algebraic geometry*, in Charmey.
- 9–14 Jul 2017 *Specialization problems in Diophantine Geometry*, in Cetraro.
- 2–8 Jul 2017 *Rational Points 2017*, in Schney.
- 7–9 Jun 2017 *Journées Algophantiennes Bordelaises 2017*, in Bordeaux.
- 2–3 Jun 2017 *Number Theory Days 2017*, at EPF Lausanne.
- 9–10 May 2017 *Basel-Dijon Seminar*, in Basel.
- 9–13 Jan 2017 *6th Swiss-French workshop on algebraic geometry*, in Charmey.
- 12–15 Sep 2016 *Geometric and Analytic Number Theory*, at ETH Zürich.
- 5–16 Sep 2016 *Cremona conference*, in Basel.
- 22–26 Aug 2016 *Workshop on Arithmetic Dynamics*, in Basel.
- 26 Jun–1 Jul 2016 *Arithmetic and Geometry: Ten years in Alpbach*, in Alpbach.
- 13–17 Jun 2016 *Conference in honour of M. Waldschmidt*, in Leuca.
- 15–16 Apr 2016 *Number Theory Days 2016*, at ETH Zürich.
- 14–15 Apr 2016 *Basel-Dijon Seminar*, in Basel.
- 15–19 Feb 2016 *Computational Aspects of Diophantine Equations*, in Salzburg.
- 18–22 Jan 2016 *5th Swiss-French workshop on algebraic geometry*, in Charmey.
- 26–27 Oct 2015 *Basel-Dijon Seminar*, in Basel.
- 21–24 Sep 2015 *Third Italian Number Theory Meeting*, in Pisa.
- 22–26 Jun 2015 *Second SWISSMAP Geometry & Topology Conference*, in Les Diablerets.
- 1–3 Jun 2015 *Mini-courses on Arithmetic Geometry*, at the Universität Basel.
- 18–22 May 2015 *Analytic Aspects of Number Theory*, at ETH Zürich.
- 15–16 May 2015 *Number Theory Days 2015*, at EPF Lausanne.
- 28 Sep–3 Oct 2014 *Vojta’s Conjectures*, in Banff.
- 22–25 Sep 2014 *Arithmetic of Eisenstein series*, at the Technische Universität Darmstadt.
- 20–21 Sep 2014 *Student Conference on Automorphic Forms and Eisenstein Series*, at the Technische Universität Darmstadt.
- 6–11 Jul 2014 *Periods and heights of CM abelian varieties*, in Alpbach.
- 19–20 May 2014 *Workshop on diophantine problems* in Graz.
- 3–7 Feb 2014 *Unlikely Intersections*, in Luminy.
- 24 Nov–20 Dec 2013 *Heights in Diophantine Geometry, Group Theory and Additive Combinatorics*, in Vienna.
- 14–18 Oct 2013 *Méthodes diophantiennes* in Besançon.
- 1–7 Jul 2012 *Autour des conjectures de Zilber-Pink*, in Paris.



4–8 Jun 2012	<i>Analytic methods for diophantine problems</i> , at the Georg-August-Universität Göttingen.
30–31 Apr 2012	<i>Number Theory Days 2012</i> , at ETH Zürich.
12–17 Sep 2011	<i>XIX congress of the Unione Matematica Italiana</i> , in Bologna.
26–30 Apr 2011	<i>Heights in Diophantine and Arakelov Geometry, Dynamical Systems and Computer Algebra</i> , in Tossa de Mar (Barcelona).
28 Mar–1 Apr 2011	<i>Unlikely intersections in algebraic groups and Shimura varieties</i> , in Pisa.
12 Nov 2010	<i>On the mysterious nature of transcendental numbers</i> , at the Istituto Veneto di Scienze, Lettere ed Arti, Venezia.
6–10 Sep 2010	<i>Approximation diophantienne et transcendence</i> , in Luminy.
8–12 Mar 2010	<i>Italy-India Conference on Diophantine and Analytic Number Theory</i> , in Pisa.
2–6 Jun 2009	<i>Diophantine Geometry Into the Millenium — Conference in honor of Prof. Gisbert Wüstholz</i> , at ETH Zürich.
20–24 Oct 2008	<i>Workshop on Arithmetic Geometry: Diophantine approximations and Arakelov theory</i> , at the Fields Institute for Research in Mathematical Sciences, Toronto.
Oct 2008	Visiting student at Leiden University.
6 Jun 2008	<i>Giornata INdAM</i> , in Padova.
23 Apr–11 May 2007	<i>School and Conference on Analytic Number Theory</i> , at ICTP, Miramare (Trieste).
30 Jul–2 Sep 2006	<i>Scuola matematica interuniversitaria</i> , in Perugia.
30 Jan–3 Feb 2006	<i>Mathematical aspects of high performance codes: state of the art and open problems</i> , at the Centro di Ricerca Matematica Ennio de Giorgi, Pisa.
1 Apr–30 Jul 2005	<i>Diophantine geometry</i> , intensive research period at the Centro di Ricerca Matematica Ennio de Giorgi, Pisa.

Teaching

UNIVERSITÀ DEGLI STUDI DI GENOVA

Summer 2026	Teoria degli schemi.
Winter 2025/26	Geometria.
Summer 2025	Istituzioni di geometria superiore.
Winter 2024/25	Geometria.
Winter 2024/25	Geometria I (exercises).
Summer 2024	Istituzioni di geometria superiore.
Winter 2023/24	Istituzioni di matematiche (exercises).
Winter 2023/24	Geometria.
Summer 2023	Geometria.
Winter 2022/23	Teoria di Galois.
Winter 2022/23	Algebra lineare e geometria analitica (exercises).
Winter 2022/23	Istituzioni di matematiche (exercises).
Summer 2022	Geometria (exercises).
Winter 2021/22	Geometria (exercises).
Winter 2021/22	Algebra lineare e geometria analitica (exercises).



- Summer 2021 Istituzioni di algebra superiore.
- Winter 2020/21 Geometria (exercises).
- 2020/21 Algebra lineare e geometria analitica (exercises).
- Summer 2020 Geometria (exercises).
- Summer 2020 Istituzioni di algebra superiore.
- 2019/20 Algebra lineare e geometria analitica (exercises).

SCUOLA NORMALE SUPERIORE DI PISA

- 2018/19 Applicazioni aritmetiche della teoria delle altezze (assistant).

UNIVERSITÄT BASEL

- Autumn 2017 Einführung in die Diophantische Approximation.
- Spring 2017 Zahlentheorie (exercises).
- Autumn 2016 Gruppentheorie (exercises).
- Spring 2016 Seminar Zahlentheorie.
- Autumn 2015 Algebra (exercises).
- Autumn 2015 Lineare Algebra (exercises).

TECHNISCHE UNIVERSITÄT DARMSTADT

- Winter 2014/15 Mathematik I für Maschinenbau und Bauingenieurwesen (exercise coordinator).

GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN

- Summer 2013 Komplexe Analysis II (exercises).
- Winter 2012/13 Algebra (exercises).
- Summer 2012 Elliptische Kurven (exercises).

UNIVERSITÄT BASEL

- Autumn 2011 Galoistheorie (exercises).

Other activities

- 2020–current Lecturer in the stages for high school students at the mathematics department of Genova (Feb 2020, Feb 2022, Jun 2022, Feb 2023, Jun 2023, Feb 2024, Feb 2025, Jun 2025, Feb 2026).
- 2003–current Long-standing collaboration with the organising committee of the Italian mathematical Olympiad: taking part in the Italian Olympiads as organiser and judge; preparing and correcting competitions papers; training the Italian IMO team; giving lectures in high schools; participating as a judge in international competitions.



- May 2026 Demonstrator in a booth about machine learning and board games at the Play 2026 convention in Bologna.
- April 2025 Demonstrator in a booth about machine learning and board games at the Play 2025 convention in Bologna.
- 2016 Member of the organising committee of the *Tag der offenen Tür*, an event aimed at the general public for the popularisation of the research activities of the department of mathematics and informatics of the university of Basel.
- 2008–2011 Tutoring activities for first-year students of the Scuola Normale.
- 2004–2011 Lecturer in many local and national training seminars in preparation to the Italian and international mathematical Olympiad. (Pisa, Arezzo, Pavia, Carrara, Taranto, Torino, Macomer, Nuoro, Cagliari...)
- 29 Jun–5 Jul 2008 Lecturer and tutor at the Corso di Orientamento Universitario of the Scuola Normale, in Cortona.

Language skills

Italian	Native speaker
English	Fluent
German	Fluent
French	Basic
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Programming languages & mathematical software

Good knowledge of LEAN, Python, PARI/GP, SageMath, Mathematica, L^AT_EX and X_ᵕL^AT_EX

Basic knowledge of C, Fortran 90, Pascal, MATLAB, Maple, CoCoA, HTML.

Hobbies

Contract bridge • Board games.