

# CURRICULUM VITAE OF ROBERTO PIGNATELLI

---

Associate Professor

Department of Mathematics

University of Trento

via Sommarive 14

I-38123 Trento (TN),

Italy

+39 0461 282009

[Roberto.Pignatelli "at" unitn.it](mailto:Roberto.Pignatelli@unitn.it)

<https://pignatelli.maths.unitn.it>



## CAREER SINCE GRADUATION

Italian scientific qualification for the position of full professor in Geometry and Algebra (*Abilitazione Scientifica Nazionale per il ruolo di professore di I fascia per il Settore Concorsuale 01/A2*) valid from March 28<sup>th</sup>, 2017 to March 28<sup>th</sup>, 2028

- 2014/10-today: Associate Professor at the University of Trento
- 2003/01-2014/09: Assistant Professor (*Ricercatore*) at the University of Trento
- 2001/09-2002/12: Assistant Professor (*Wissenschaftlicher Assistent*) at the Universität Bayreuth
- 2000/04-2001/08: Assistant Professor (*Wissenschaftlicher Assistent*) at the Universität Göttingen

## MEMBERSHIPS OF MATHEMATICAL SOCIETIES

- European Mathematical Society
- Unione Matematica Italiana
- Istituto Nazionale di Alta Matematica – Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni

## DEGREES AWARDED

- 2000, February 25<sup>th</sup>: Ph. D. in Mathematics at the University of Pisa
- 1994, July 14<sup>th</sup>: *Diploma in Matematica* at the *Scuola Normale Superiore di Pisa*
- 1994, July 14<sup>th</sup>: M.Sc. in Mathematics with highest honors (*110/110 e lode*) at the University of Pisa

# PUBLICATIONS

## PREPRINTS

- A. F. FALLUCCA, —, *Smooth  $k$ -double covers of the plane of geometric genus 3*, [arXiv:2305.04545](https://arxiv.org/abs/2305.04545), to appear on Rend. Mat. Appl. (7)
- B. M. ANDREATTA, —, *Fano's Last Fano*, [arxiv:2209.07390](https://arxiv.org/abs/2209.07390), to appear on Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl.
- C. F. FALLUCCA, —, *Some surfaces with canonical map of degree 4*, [arXiv:2107.07966](https://arxiv.org/abs/2107.07966), to appear on Port. Math.

## PUBLISHED PAPERS

- 1. S. COUGHLAN, —, *Simple fibrations in  $(1,2)$ -surfaces*, [arxiv:2207.06845](https://arxiv.org/abs/2207.06845), Forum of Mathematics, Sigma, Volume 11, 2023, e43. <https://doi.org/10.1017/fms.2023.41>
- 2. D. CONTI, A. GHIGI, —, *Topological types of actions on curves*, [arxiv:2207.00981](https://arxiv.org/abs/2207.00981), J. Symb. Comput. 118C (2023), 17-31. <https://doi.org/10.1016/j.jsc.2023.01.002>
- 3. C. GLEISSNER, —, C. RITO, *New surfaces with canonical map of high degree*. Commun. Anal. Geom. 30, 8 (2022), 1809-1821. <https://dx.doi.org/10.4310/CAG.2022.v30.n8.a5>
- 4. D. CONTI, A. GHIGI, —, *Some evidence for the Coleman-Oort conjecture*, [arxiv:2102.12349](https://arxiv.org/abs/2102.12349), RACSAM 116, 50 (2022). <https://doi.org/10.1007/s13398-021-01195-0>
- 5. M. PENEGINI, —, *Note on a family of surfaces with  $p_g=q=2$  and  $K^2=7$* , [arxiv:2012.05636](https://arxiv.org/abs/2012.05636), Bollettino U.M.I. 15 (2022), no. 1-2, 305-331. <https://doi.org/10.1007/s40574-021-00305-5>
- 6. C. BOEHNING, HANS-CHRISTIAN GRAF VON BOTHMER, —, *A rigid, not infinitesimally rigid surface with  $K$  ample*, [arxiv:2010.14371](https://arxiv.org/abs/2010.14371), Bollettino U.M.I. 15 (2022), no. 1-2, 57-85. <https://doi.org/10.1007/s40574-021-00296-3>
- 7. I. C. BAUER, —, *Rigid but not infinitesimally rigid compact complex manifolds*. [arxiv:1805.02559](https://arxiv.org/abs/1805.02559), Duke Math. J. 170 (2021), no. 8, 1757-1780. <https://doi.org/10.1215/00127094-2020-0062>

8. F. F. FAVALE, C. GLEISSNER, —, *The pluricanonical systems of a product-quotient variety*. Galois Covers, Grothendieck-Teichmüller Theory and Dessins d'Enfants - Interactions between Geometry, Topology, Number Theory and Algebra, 89-119, Springer Proc. Math. Stat. **330**, Springer, Cham, 2020 [https://doi.org/10.1007/978-3-030-51795-3\\_6](https://doi.org/10.1007/978-3-030-51795-3_6)
9. —, *Quotients of the square of a curve by a mixed action, further quotients and Albanese morphisms*, Rev. Mat. Complut. **33** (2020), 911-931 <https://doi.org/10.1007/s13163-019-00337-8>
- 10.—, F. POLIZZI, *A family of surfaces with  $p_g=q=2$ ,  $K^2=7$  and Albanese map of degree 3*, Math. Nachr. **290** (2017), no. 16, 2684-2695
- 11.F.F. FAVALE, —, *A twisted bicanonical system with base points*, Ann. Univ. Ferrara Sez. VII Sci. Mat. **63** (2017), no. 1, 113-131
- 12.I. C. BAUER, —, *Product-quotient surfaces: new invariants and algorithms*, Groups, Geom. Dyn. **10** (2016), no. 1, 319-363
- 13.—, *On quasi étale quotients of a product of two curves*, Beauville Surfaces and Groups, 149-170, Springer Proc. Math.Stat. **123**, Springer, Cham, 2015
- 14.D. FRAPPORTI, —, *Mixed quasi-étale quotients with arbitrary singularities*, Glasg. Math. J. **57** (2015), no. 1, 143-165
- 15.G. BINI, F.F. FAVALE, J. NEVES, —, *New examples of Calabi-Yau 3-folds and genus zero surfaces*, Commun. Contemp. Math. **16** (2014), no. 2, 1350010, 20pp.
- 16.—, *Computer aided algebraic geometry: constructing surfaces of genus zero*, Future vision and trends on shapes, geometry and algebra, 95-105, Springer Proc. Math. Stat. **84**, Springer, London, 2014
- 17.F. CATANESE, W. LIU, —, *The moduli space of even surfaces of general type with  $K^2=8$ ,  $p_g=4$  and  $q=0$* , J. Math. Pures Appl. (9) **101** (2014), no. 6, 925-948
- 18.J. NEVES, —, *Unprojection and deformations of tertiary Burniat surfaces*, Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) **13** (2014), no. 1, 225-254
- 19.E. BALLICO, —, L. TASIN, *Weighted hypersurfaces with either assigned volume or many vanishing plurigenera*, Comm. Algebra **41** (2013), no. 10, 3745-3752
- 20.I. C. BAUER, —, *The classification of minimal product-quotient surfaces with  $p_g=0$* , Math. Comp. **81** (2012), no. 280, 2389-2418

21. I. C. BAUER, F. CATANESE, F. GRUNEWALD, —, *Quotients of products of curves, new surfaces with  $p_g=0$  and their fundamental groups*, Amer. J. Math. **134** (2012), no. 4, 993-1049
22. —, *On surfaces with a canonical pencil*, Math. Z. **270** (2012), no. 1-2, 403-422
23. I. C. BAUER, F. CATANESE, —, *Surfaces of general type with geometric genus zero: a survey*, Complex and Differential Geometry, 1-48, Springer Proc. Math. **8**, Springer, Heidelberg, 2011
24. —, C. RASO, *Riemann surfaces with a quasi large abelian group of automorphisms*, Matematiche (Catania) **66** (2011), no. 2, 77-90
25. —, *Some (big) irreducible components of the moduli space of minimal surfaces of general type with  $p_g=q=1$  and  $K^2=4$* , Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. **20** (2009), no. 3, 207-226
26. I. C. BAUER, —, *Surfaces with  $K^2=8$ ,  $p_g=4$  and canonical involution*, Osaka J. Math. **46** (2009), no. 3, 799-820.
27. F. TONOLI, —, *On Wahl's proof of  $\mu(6)=65$* , Asian J. Math. **13** (2009), no. 3, 307-310
28. I. C. BAUER, F. CATANESE, —, *The moduli space of surfaces with  $K^2=6$  and  $p_g=4$* , Math. Ann. **336** (2006), no. 2, 421-438
29. S. MANFREDINI, —, *Ruled surfaces and generic coverings*, Topology Appl., **153** (2006), no. 14, 2613-2623
30. F. CATANESE, —, *Fibrations of low genus, I*, Ann. Sci. École Norm. Sup. (4) **39** (2006), no. 6, 1011-1049
31. I. C. BAUER, F. CATANESE, —, *Complex surfaces of general type: some recent progress*, Global aspects of complex geometry 1-58, Springer, Berlin, 2006
32. S. MANFREDINI, —, *Chisini's conjecture for curves with singularities of type  $x^n = y^m$* , Michigan Math. J. **50** (2002), no. 2, 287-312
33. I. C. BAUER, F. CATANESE, —, *Canonical rings of surfaces whose canonical system has base points*, Complex Geometry (Göttingen 2000) 37-72, Springer, Berlin, 2002
34. F. CATANESE, —, *On simply connected Godeaux surfaces*, Complex Analysis and Algebraic Geometry, 117-153, de Gruyter, Berlin, 2000
35. S. MANFREDINI, —, *Generic covers branched over  $\{x^n = y^m\}$* , Topology Appl. **103** (2000), no. 1, 1-31

## DATABASES

A [database](#) of topological types of holomorphic actions of a finite group  $G$  on a compact Riemann surface  $S$  of genus at least 2 with  $S/G$  rational.

## IN PREPARATION

- a. S. COUGHLAN, Y. HU, —, T. ZHANG, *The classification of the threefolds on the Noether line.*
- b. A. GHIGI, M. LÖNNE, —, *Galois covers of the projective line given by generalized dihedral groups.*
- c. M. PENEGINI, —, *Towards the Mumford-Tate conjecture for a family of surfaces with  $p_g=q=2$  and  $K^2=7$ .*

## ABSTRACTS OF TALKS

- I. —, *Varietà rigide non infinitesimamente rigide*, XXI Convegno dell'Unione Matematica Italiana, 2019, p. 421
- II. —, *Deformazioni di Burniat terziarie*, XIX Convegno dell'Unione Matematica Italiana, Conferenze e Comunicazioni, Zanichelli 2011, p. 365
- III. —, *Surfaces with  $p_g=0$ : computer aided constructions*, Report n. 44/2009, Workshop "Complex Algebraic Geometry", September 27<sup>th</sup>-October 2<sup>nd</sup>, 2009, M.F.O., 2009, 2527-2530
- IV. —, *Fibrations of low genus and surfaces with  $q=p_g=1$* , Report n. 7/2005, Workshop "Komplexe Algebraische Geometrie", February 13<sup>th</sup>-19<sup>th</sup>, 2005, M.F.O., 2005, pp. 448-450
- V. —, *Extrasymmetric matrices and surfaces with  $p_g=4$  and  $K^2=6$* , Report n. 9/2004, Mini-Workshop "Classification of Surfaces ...", February 15<sup>th</sup> -21<sup>st</sup>, 2004, M.F.O., 2004, pp. 466-470
- VI. F. CATANESE, —, *On pencils of small genus*, Report n. 9/2004, Mini-Workshop "Classification of Surfaces ...", February 15<sup>th</sup>-21<sup>st</sup>, 2004, M.F.O., 2004, pp. 454-457

## LECTURE NOTES

- 2022: [Advanced Geometry](#)
- 2015: [Surfaces of general type](#)

# CONFERENCES & TALKS

## CONFERENCES ORGANIZED

- Cetraro, September 18<sup>th</sup>-22<sup>nd</sup>, 2023: [Aspects of Algebraic Geometry](#)
- Gargnano, September 19<sup>th</sup>-24<sup>th</sup>, 2022: [Complex Algebraic Geometry and related topics – in honor of Fabrizio Catanese on the occasion of his 70<sup>th</sup> birthday](#)
- Trento, January 7<sup>th</sup>-11<sup>th</sup>, 2019: [A Journey through Projective and Birational Geometry – Together with Marco Andreatta](#)
- Trento, July 11<sup>th</sup>-13<sup>th</sup>, 2018: [Recent Progress in the Arithmetic and Geometry of K3 surfaces](#)
- Levico Terme, August 31<sup>st</sup>- September 4<sup>th</sup>, 2015: [Classification of Projective Varieties](#)
- Cetraro, September 8<sup>th</sup>-15<sup>th</sup>, 2013: [Classification of Algebraic Varieties and Related Topics](#)
- Trento, February 10<sup>th</sup>, 2012: [A Day of Algebraic Geometry](#)
- Levico Terme, June 4<sup>th</sup>-9<sup>th</sup>, 2007: [Algebraic Geometry in Higher Dimension](#)



## PARTICIPATION AT CONFERENCES AS INVITED SPEAKER

- Pipa (BR), December 11<sup>th</sup>-15<sup>th</sup>, 2023: [Algebraic Geometry, Lipschitz geometry and Singularities](#)
- Bedlewo (PL), April 16<sup>th</sup>-20<sup>th</sup>, 2023: [Explicit Algebraic Geometry](#)
- Portoroz (SVN), June 20<sup>th</sup>-26<sup>th</sup>, 2021: [8<sup>th</sup> European Congress of Mathematics](#) – Minisymposium Arithmetic and Geometry of Algebraic Surfaces (MS - ID 45)
- Milano, September 16<sup>th</sup>-17<sup>th</sup>, 2019: [Geometria in Bicocca 2019](#)
- Pavia, September 2<sup>nd</sup>-7<sup>th</sup>, 2019: [XXI Congresso dell'Unione Matematica Italiana](#)
- Cetraro, September 6<sup>th</sup>-15<sup>th</sup>, 2018: [Differential, Algebraic and Topological Methods in Complex Algebraic Geometry](#)
- Leicester (UK), June 5<sup>th</sup>-7<sup>th</sup>, 2018: [Workshop on Galois-covers, Grothendieck Teichmüller Theory and Dessins d'Enfants](#)
- Rio de Janeiro (BR), August 29<sup>th</sup>- September 2<sup>nd</sup>, 2016: [1<sup>st</sup> Joint Meeting Brazil-Italy in Mathematics](#)
- Roma, January 11<sup>th</sup>-15<sup>th</sup>, 2016: [Birational Geometry of Surfaces](#)
- Lisbon (P), July 1<sup>st</sup>-3<sup>rd</sup>, 2015: [Conference on Algebraic Surfaces \(M. Mendes Lopes 60<sup>th</sup> birthday\)](#)
- Angers (F), June 2<sup>nd</sup>-6<sup>th</sup>, 2014: *Moduli Spaces of Real and Complex Varieties*
- Trento, February 3<sup>rd</sup>-4<sup>th</sup>, 2014: *2<sup>nd</sup> FIRB Moduli Spaces and Their Applications Workshop*
- Bielefeld (D), December 6<sup>th</sup>, 2013: *A superficial afternoon*
- Cosenza, June 12<sup>th</sup>-14<sup>th</sup>, 2013: *New Trends in Algebraic Geometry*
- Trento, October 9<sup>th</sup>-11<sup>th</sup>, 2012: *3<sup>rd</sup> SAGA Workshop*
- Newcastle (UK), June 7<sup>th</sup>-9<sup>th</sup>, 2012: *Beauville Surfaces and Groups*
- Pavia, March 8<sup>th</sup>-9<sup>th</sup>, 2012: *Giornate di Geometria 3*
- Bayreuth (D), February 21<sup>st</sup>-23<sup>rd</sup>, 2012: *Treffen der Forschergrupper 790*
- Bologna, September 12<sup>th</sup>-17<sup>th</sup>, 2011: *XIX Congresso dell'Unione Matematica Italiana*
- Padova, May 16<sup>th</sup>-25<sup>th</sup>, 2011: *Two weeks of Classical Algebraic Geometry*

- Shanghai (CN), May 10<sup>th</sup>-14<sup>th</sup>, 2010: *Algebraic Geometry on Varieties and Manifolds*
- Seoul (ROK), March 2<sup>nd</sup>-5<sup>th</sup>, 2010: *Algebraic Surfaces and their Compact Moduli*
- Milano, November 19<sup>th</sup>-20<sup>th</sup>, 2009: *Some Topics in Commutative Algebra and Algebraic Geometry*
- Oberwolfach (D), September 27<sup>th</sup>- October 3<sup>rd</sup>, 2009: *Complex Algebraic Geometry*
- Pisa, October 29<sup>th</sup>-31<sup>st</sup>, 2008: *Workshop on Algebraic Surfaces*
- Almería (E), June 6<sup>th</sup>-10<sup>th</sup>, 2005: *International Mediterranean Congress in Mathematics*
- Oberwolfach (D), February 13<sup>th</sup>-19<sup>th</sup>, 2005: *Komplexe Algebraische Geometrie*
- Utrecht (NL), June 4<sup>th</sup>-6<sup>th</sup>, 2004: *Algebraic Geometry and Commutative Algebra*
- Milano, April 1<sup>st</sup>-2<sup>nd</sup>, 2004: *Algebraic Curves, Monodromy, and Related Topics*
- Taipei (RC), March 22<sup>nd</sup>-28<sup>th</sup>, 2004: *Higher Dimensional Algebraic Geometry*
- Oberwolfach (D), February 15<sup>th</sup>-21<sup>st</sup>, 2004: *Classification of Surfaces of General Type with Small Invariants*
- Ferrara, September 3<sup>rd</sup>-7<sup>th</sup>, 2002: *Birational and Projective Geometry of Algebraic Varieties*
- Cambridge (UK), March 8<sup>th</sup>-10<sup>th</sup>, 2001: *COW Extended Activity*
- Gargnano, May 23<sup>rd</sup>-27<sup>th</sup>, 2000: *Giornate di Geometria Algebrica e Argomenti Correlati V*
- Furore, October 8<sup>th</sup>-13<sup>th</sup>, 1999: *Workshop on Algebraic Surfaces*
- Pisa, June 8<sup>th</sup>-13<sup>th</sup>, 1998: *Meeting of Young European Researchers in R.A.A.G.*

## SELECTED TALKS

- Università di Bari, July 6<sup>th</sup>, 2023: *Varieties with small volume*
- University of Warwick, April 21<sup>st</sup>, 2020: *Rigid compact complex surfaces that are not infinitesimally rigid*
- Università di Padova, April 2<sup>nd</sup>, 2019: *Rigid but not infinitesimally rigid compact complex manifolds*
- Università di Pavia, March 5<sup>th</sup>, 2019: *On the Albanese morphism of a mixed quotient surface*
- Universität Bayreuth, April 18<sup>th</sup>, 2018: *Surfaces of general type with canonical map of high degree*
- Università di Genova, March 9<sup>th</sup>, 2017: *On semi-isogenous mixed surfaces*
- University of Coimbra (P), July 17<sup>th</sup>, 2013: *On quasi-étale quotients of products of two curves*
- Università di Ferrara, October 23<sup>rd</sup>, 2012: *3-varietà di Calabi-Yau con divisori ampi rigidi*
- University of Coimbra (P), June 27<sup>th</sup>, 2012: *Even surfaces with genus 4 and bigenus 13*
- Università di Milano, October 25<sup>th</sup>, 2011: *Una nuova costruzione di superfici di genere 0*
- Università di Pisa, February 16<sup>th</sup>, 2011: *Deformazioni di superfici di Burniat*
- University of Coimbra (P), June 9<sup>th</sup>, 2009: *Compact complex surfaces of genus 0*
- Técnico Lisboa (P), June 2<sup>nd</sup>, 2009: *Compact complex surfaces of genus 0*
- Università di Pavia, April 29<sup>th</sup>, 2009: *Surfaces with canonical map composed with a pencil*
- Università di Padova, April 8<sup>th</sup>, 2009: *Superfici di tipo generale con mappa canonica composta con un fascio*
- Sogang University (ROK), May 24<sup>th</sup>, 2008: *The relative canonical algebra of a fibration and the construction of surfaces of general type*
- Seoul National University (ROK), May 21<sup>th</sup>, 2008: *Compact complex surfaces whose holomorphic differential forms are identically zero*

- University of Leicester (UK), January 31<sup>st</sup>, 2008, Colloquium talk: *Compact complex surfaces and fibrations*
- Università di Roma "Tor Vergata", May 11<sup>th</sup>, 2007: *Superfici con  $p_g=q=1$*
- Università di Pavia, March 16<sup>th</sup>, 2006: *Superfici con  $p_g=4$*
- Università di Genova, April 26<sup>th</sup>, 2005: *Fibrazioni di genere basso e superfici con  $q=p_g=1$*
- Università di Pisa, March 3<sup>rd</sup>, 2004: *Curve di genere 3 ed un problema di Horikawa*
- Università di Pavia, February 22<sup>nd</sup>, 2002: *Fibrazioni di genere basso*
- Università di Milano, February 21<sup>st</sup>, 2002: *Fibrazioni di genere piccolo*

## VISITING SCHOLARSHIPS

- Universität Bayreuth, March 2<sup>nd</sup>- 17<sup>th</sup>, 2022
- Universität Bayreuth, April 8<sup>th</sup> -21<sup>st</sup> and April 29<sup>th</sup>- May 12<sup>th</sup>, 2018
- University of Coimbra, April 16<sup>th</sup>-23<sup>rd</sup>, 2013
- Instituto Superior Técnico Lisboa, June 28<sup>th</sup>-Juli 1<sup>st</sup>, 2012
- University of Coimbra, June 18<sup>th</sup>-28<sup>th</sup>, 2012
- University of Coimbra, June 6<sup>th</sup>-13<sup>th</sup>, 2009
- Instituto Superior Técnico Lisboa, May 29<sup>th</sup>-June 6<sup>th</sup>, 2009
- Sogang University Seoul, May 17<sup>th</sup>-27<sup>th</sup>, 2008
- Warwick University, January 13<sup>th</sup>- May 1<sup>st</sup>, 2008
- Universität Bayreuth, September 21<sup>st</sup>- December 21<sup>st</sup>, 2007
- Institute of Mathematics of the Romanian Academy “Simion Stoilow”, March 4<sup>th</sup> - April 3<sup>rd</sup>, 2002
- Warwick University: February 19<sup>th</sup>- March 25<sup>th</sup>, 2001

## RESEARCH GROUPS

Member of the research group

- PRIN 2017 *Moduli Theory and Birational Classification*, funded by the Italian Ministry of University and Research *MIUR* for three years: 359000€

Formerly member of several national and international research groups, including

- 2017-2020: PRIN 2015 *Geometria delle varietà algebriche*, funded by the Italian Ministry of University and Research *MIUR* for three years starting on February 5<sup>th</sup>, 2017: 141000€
- 2013-2018: Futuro in Ricerca 2012 *Spazi di Moduli e Applicazioni* funded by the Italian Ministry of University and Research *MIUR*: 915300€
- 2013-2015: PRIN 2010-2011 *Geometria delle varietà algebriche* funded by the Italian Ministry of University and Research *MIUR*: 141000€
- 2010-2013: *Espaços de moduli en Geometria Algébrica* funded by the Fundação para a Ciência e a Tecnologia (Portugal): 80392€
- 2008-2010: PRIN 2007 *Proprietà geometriche delle varietà reali e complesse* funded by the Italian Ministry of University and Research *MIUR*: 135080€
- 2006-2008: PRIN 2005 *Proprietà geometriche delle varietà reali e complesse* funded by the Italian Ministry of University and Research *MIUR*: 235000€

# EVALUATION ACTIVITIES

## SELECTED MEMBERSHIPS OF COMMITTEES

- 2023, 2022, 2021: member of the Expert Panel “[ST-1 Mathematics](#)” of the National Science Center, Poland financing research projects based in Poland
- 2023, 2021: member of the committee assigning fellowships of the Istituto Nazionale di Alta Matematica Francesco Severi for research initiation, for students enrolled in a master’s degree
- 2010: member of the committee assigning the price “Federigo Enriques” for the best Ph.D. thesis in Algebraic Geometry
- Member of committees for permanent positions as associate professor in Geometry at the Universities of Torino (2021) and Verona (2015)
- Member of committees for temporary positions as assistant professor (RTD/A) in Geometry at the Università di Pavia (2020), Padova (2019)
- Member of the committee for a permanent position as assistant professor (*Ricercatore*) in Geometry at the Università di Pavia (2007)
- Member of committees for the defense of Ph.D Theses in Mathematics at the Universities of Pisa (2021), Pavia (2013), Milano (2009) and a few times in Trento
- Member of committees for several Post-Doc positions in Mathematics at the Università di Trento
- Member of the committee for the admission at the Ph.D. program in Mathematics of the Università di Trento in 2014

## MEMBERSHIPS OF EDITORIAL BOARDS

2020-today: member of the Topical Advisory Panel for [Mathematics](#),

## REFEREE ACTIVITY

- 2023, 2022, 2020, 2014: evaluating research projects for the National Science Center, Poland
- 2022, 2014, 2011: evaluating research projects for the Chilean Government Commission for Scientific and Technological Development
- 2015: evaluating research projects for the Università dell'Insubria
- 2015: evaluating research projects for the Università di Firenze
- 2014: evaluating research projects for the Università di Padova
- Regular activity as referee for several international mathematical journals

## REVIEWS

- 37 reviews for the Mathematical Reviews of the American Mathematical Society (MathSciNet)
- 69 reviews for Zentralblatt MATH



# SERVICE AT THE UNIVERSITY OF TRENTO

## CURRENTLY

- 2021 – today: Delegate of the Director of the Department of Mathematics for the diversity policies
- 2020 – today: Advisor of study for the Curriculum *Advanced Mathematics* of the Master of Science in Mathematics of the University of Trento
- 2019 – today: Delegate of the Director of the Department of Mathematics for the program [Scholars at Risk](#)
- 2013 – today: Person in charge of the Erasmus Exchange programs with the Universities of Barcellona, Bergen and Tübingen
- 2004 – today: Person in charge of the Erasmus Exchange programs with the Universität Bayreuth

## FORMERLY

- 2012-2015: Delegate of the Director of the Department of Mathematics for International Relations
- 2008-2015: Coordinator of the Double Degree Program in Mathematics among the Universities of Trento and Tübingen
- 2011: Person in charge of the tutoring program of the Department of Mathematics
- 2004-2008: member of the advisory board of the Università di Trento

# MENTORSHIPS

## GRADUATE STUDENTS

Currently supervisor of the Ph.D studies of Federico Fallucca.

Advisor of the Ph.D. Theses of

- Nicola Cancian, Ph.D in Mathematics with highest honors at the Università di Trento on July 21<sup>st</sup>, 2017; Title of the Thesis: *On Semi-isogenous Mixed Surfaces*
- Davide Frapporti, Ph.D in Mathematics at the Università di Trento on February 10<sup>th</sup>, 2012; Title of the Thesis: *Mixed quasi-étale surfaces and new surfaces of general type*

## UNDERGRADUATE STUDENTS

Advisor of

- 1 Double Degree Thesis in Mathematics at the Universities of Trento and Tübingen
- 16 M.Sc. Theses in Mathematics at the Università di Trento
- 21 Bachelor Theses in Mathematics at the Università di Trento

# TEACHING

## LECTURES FOR GRADUATE STUDENTS

- March 3<sup>rd</sup>-16<sup>th</sup>, 2022: Abelian Covers and Deformation Theory, at the University of Bayreuth
- May 25<sup>th</sup>-29<sup>th</sup>, 2015: [Surfaces of general type](#), during the activity [Algebraic Varieties and their Moduli](#), Centro di Ricerca Matematica Ennio De Giorgi, Pisa
- March 2<sup>nd</sup>-5<sup>th</sup>, 2010: exercise sessions during the *KIAS Winter School on Algebraic Geometry*, KIAS, Seoul (ROK)

## TEACHER TRAINING

- 2014 – today: Member of the Scientific Committee of the [Laboratorio di Didattica e Comunicazione della Matematica](#) of the Department of Mathematics
- 2015 – 2021: Delegate of the Director of the Department of Mathematics for the *tavolo di coordinamento su Scuola, Formazione e TFA* of the University of Trento, that deals with all the activities of the University concerning teacher training
- 2019: Lecture “Dimostrazioni e Confutazioni” in the Workshop [Dall'esplorazione alla dimostrazione nell'insegnamento della geometria. Riflessioni per la scuola secondaria](#) for teachers of the secondary school
- 2014 – 2016: Responsible for the Department of Mathematics for the teaching qualification courses “TFA” and “PAS” for the teaching class “A059”, i.e. for teaching mathematics in lower secondary school



UNIVERSITÀ  
DI TRENTO

A.a. 2022/2023

Semestre: Primo Semestre

Docente: PIGNATELLI ROBERTO

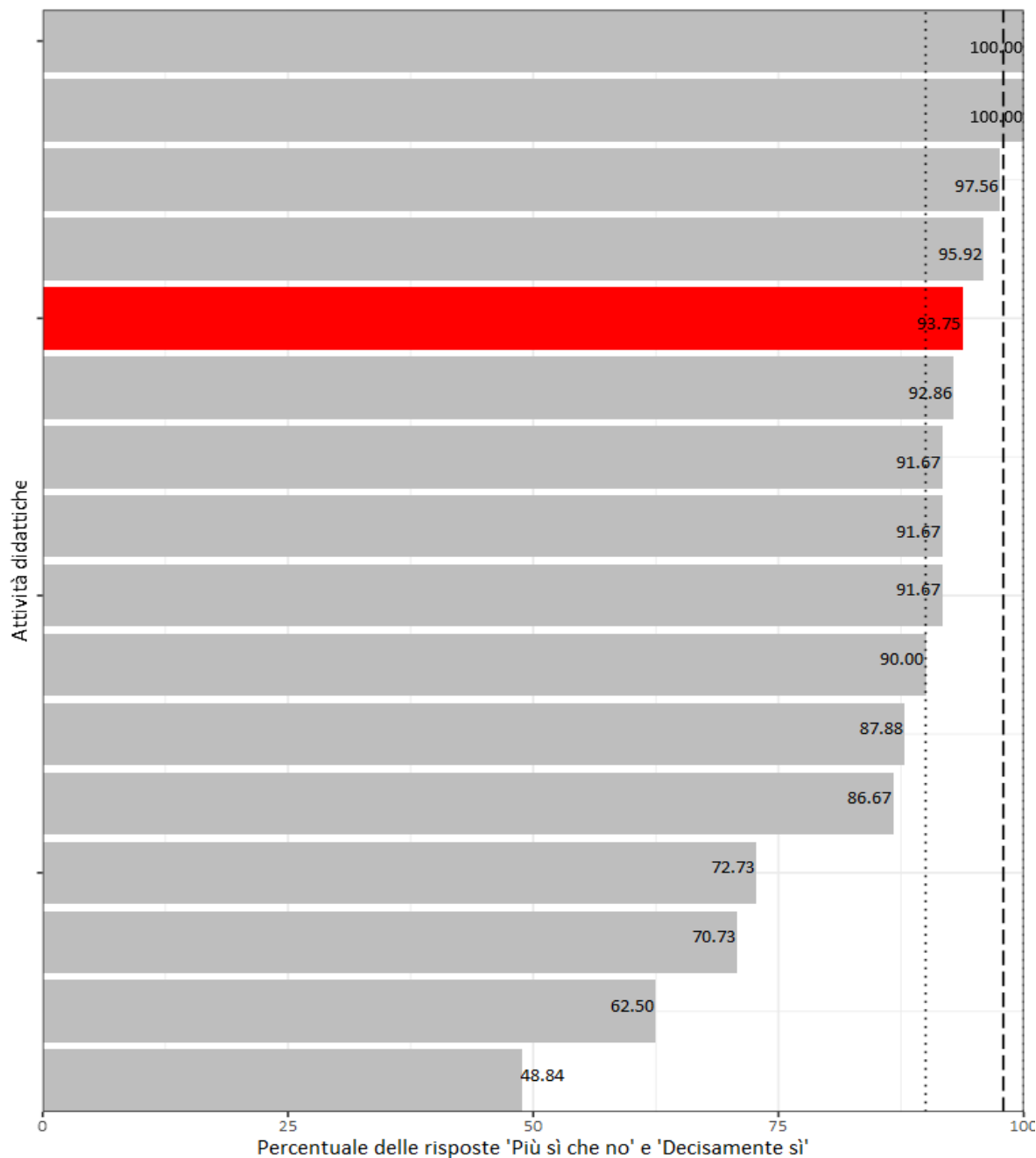
Partizione: NO

CdS: 0513G Fisica

Attività didattica: 145433 - Geometria I

Posizione della AD (in rosso) rispetto all'offerta del CdS relativamente alla percentuale di risposte positive alla domanda D12 "E' complessivamente soddisfatto di come è stato svolto l'insegnamento?" (soli studenti frequentanti) - Semestre

La linea tratteggiata rappresenta la mediana di Dipartimento mentre quelle punteggiate il primo e terzo quartile del Dipartimento.





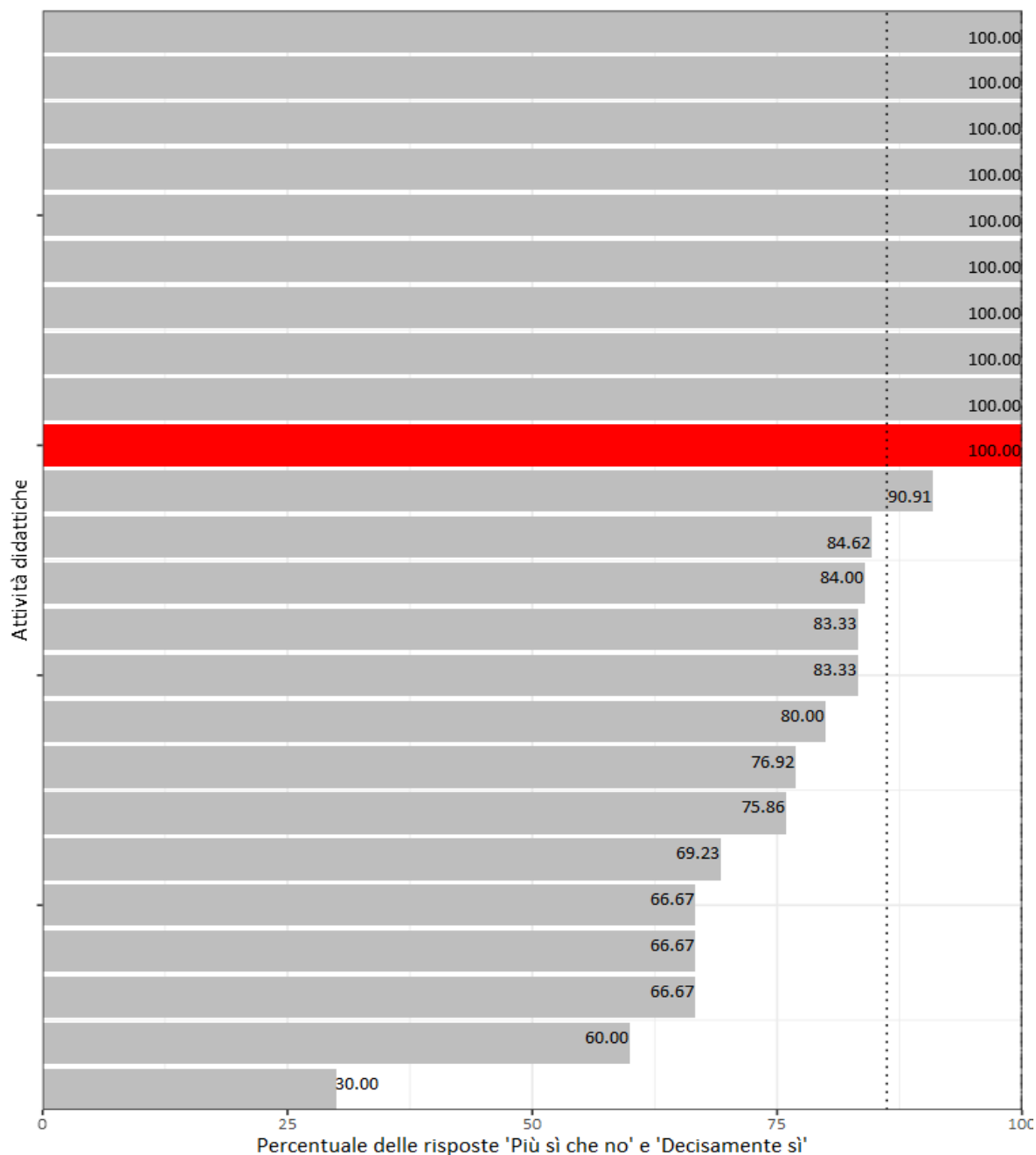
Docente: PIGNATELLI ROBERTO

CdS: 0519H MATEMATICA

Attività didattica: 145130 - Advanced geometry

Posizione della AD (in rosso) rispetto all'offerta del CdS relativamente alla percentuale di risposte positive alla domanda D12 "E' complessivamente soddisfatto di come è stato svolto l'insegnamento?" (soli studenti frequentanti) - Semestre

La linea tratteggiata rappresenta la mediana di Dipartimento mentre quelle punteggiate il primo e terzo quartile del Dipartimento.



- Geometria 1 – Laurea in Fisica – Trento – A.Y. 2016/17, 2017/18, 2018/19, 2019/20, 2020/21, 2021/22, 2022/23
- [Advanced Geometry](#) - Laurea Magistrale in Matematica – Trento – A.Y. 2009/10, 2010/11, 2012/13, 2013/14, 2014/15, 2015/16, 2016/17, 2017/18, 2018/19, 2019/20, 2020/21, 2021/22, 2022/23
- Geometria A – Laurea in Matematica – Trento – A.Y. 2015/16
- Didattica della Matematica – PAS per la classe A059 – A.Y. 2014/15, 2015/16
- Didattica della Matematica – TFA per la classe A059 – A.Y. 2014/15
- Fondamenti Matematici per l'Informatica – Laurea in Informatica – Trento – A.Y. 2014/15
- Algebraic Geometry II - Laurea Magistrale in Matematica – Trento – A.Y. 2013/14
- Complex Algebraic Geometry – Dottorato in Matematica – Trento – A.Y. 2013/14
- Geometria I - Laurea in Matematica e Laurea in Fisica – Trento – A.Y. 2011/2012
- Istituzioni di Geometria Superiore 2 – Laurea e Laurea Specialistica in Matematica – Trento – A.Y. 2006/2007, 2008/2009
- Istituzioni di Geometria Superiore – Laurea e Laurea Specialistica in Matematica – Trento – A.Y. 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2008/2009
- Matematica Discreta I – Laurea in Informatica – A.Y. 2005/2006
- Geometria e Algebra – Laurea in Ingegneria delle Telecomunicazioni – A.Y. 2004/2005
- Algebra – Lehramt Gymnasium Mathematik – Göttingen – A.Y. 2000/01
- Proseminar über Geometrie – Diplom Mathematik - Göttingen – A.Y. 1999/2000

Trento, July♦ 27<sup>th</sup>, 2023

