Giovanni Mongardi

Alma Mater studiorum Universitá di Bologna
Dipartimento di Matematica,
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Personal

Born on April 13, 1984 in Faenza (Romagna).

Italian Citizen.

Education

B.D. Mathematics, Universitá degli studi di Bologna, 2007.

M.D. Mathematics, Universitá degli studi di Bologna, 2009.

Ph.D. Mathematics, Universitá degli studi RomaTRE, 13 February 2013.

Employment

Current position: Full Professor, Bologna University, since September 2021.

2010- February 2013: Phd student at Universitá degli studi RomaTRE.

March 2013-June 2013: SFB Postdoc, Bonn University.

July 2013- September 2016: FIRB Postdoc, Milano University.

October 2016 - October 2019: Tenure Track researcher, Bologna University.

October 2019 - September 2021: Associate Professor, Bologna University.

Publications

Journal Articles

1. G. Mongardi, Symplectic involutions on deformations of $K3^{[2]}$, Centr. Eur. J. Math. 10 (2012) no. 4 1472–1485.

2. G. Mongardi, On symplectic automorphisms of Hyperkähler fourfolds of $K3^{[2]}$ type, Mich. Math. J. Vol. 62 no. 3 537–550.

3. G. Mongardi, On natural deformations of symplectic automorphisms of manifolds of $K3^{[n]}$ type, Compt. Rend. Math. vol. 351 no. 13-14 561–564.

4. G. Mongardi and M. Wandel, Induced automorphisms on irreducible symplectic manifolds, J. Lond. Math. Soc. vol. 92 (2015) no. 1, 123–143.

5. S. Boissière, C. Camere, G. Mongardi and A. Sarti, Isometries of ideal lattices and hyperkähler manifolds, I.M.R.N. vol. 2016 (2016) 963–977.

6. G. Mongardi, A note on the Kähler and Mori cones of Hyperkähler manifolds, Asian. Math. J. vol. 19 (2015) no. 4 583–592.

7. G. Mongardi, On the monodromy of irreducible symplectic manifolds, Alg. Geom. vol. 3 (2016) no. 3, 385–391.

8. G. Mongardi, Towards a classification of symplectic automorphisms on manifolds of $K3^{[n]}$ type, Math. Z. vol. 282 (2016) no. 3, 651–662.

9. G. Mongardi and M. Wandel, Automorphisms of O'Grady's manifolds acting trivially on cohomology, Alg. Geom. vol. 4 (2017) no. 1, 104–119.

10. G. Mongardi, K. Tari and M. Wandel, Automorphisms of generalised Kummer fourfolds, Manuscripta Mathematica vol. 155 (2018) no. 3–4, 449–469.

11. G. Mongardi, G. Saccà and A. Rapagnetta, The Hodge diamond of O'Grady's 6-dimensional example, Comp. Math. vol. 154 (2018) no. 5, 984–1013.

12. G. Mongardi and G. Pacienza, Polarized parallel transport and uniruled divisors on deformations of generalized Kummer varieties, I.M.R.N., Volume 2018 (2018), no. 11, Pages 3606–3620.

13. A. L. Knutsen, M. Lelli Chiesa and G. Mongardi, Wall divisors and algebraically coisotropic subvarieties of irreducible holomorphic symplectic manifolds, Trans. Amer. Math. Soc. vol. 371 (2019) no. 2, 1403–1438.

14. A. L. Knutsen, M. Lelli Chiesa and G. Mongardi, Severi Varieties and Brill-Noether theory of curves on abelian surfaces, Journal für die reine und angewandte Mathematik (Crelle's Journal), Vol. 749 (2019), Pages 161–200.

15. C. Camere, A. Garbagnati and G. Mongardi, Calabi–Yau quotients of Hyperkähler four-folds, Canad. J. of Math. vol. 71 no. 1 (2019), 45–92.

16. C. Camere, G. Kapustka, M. Kapustka and G. Mongardi, Verra fourfolds, twisted sheaves and the last involution, I.M.R.N. Volume 2019 (2019), no. 21, 6661–6710.

17. C. Meachan, G. Mongardi and K. Yoshioka, Derived equivalent Hilbert schemes of points on K3 surfaces which are not birational, Math. Z. (2020) vol. 294 no. 3–4, 871–880 doi:10.1007/s00209-019-02281-1.

18. G. Mongardi and J. C. Ottem, Curve classes on irreducible holomorphic symplectic varieties, Comm. in Cont. Math. vol. 22 (7) doi:10.1142/S0219199719500780

19. G. Mongardi and A. Rapagnetta, Monodromy and birational geometry of O'Grady's sixfolds, Journal de Math. Pures et Appl.,Vol. 146 (2021), 31–68.

20. E. Fatighenti and G. Mongardi, Fano varieties of K3 type and IHS manifolds, I.M.R.N., vol. 2021 (2021), no. 4, 3097–3142.

21. E. Fatighenti and G. Mongardi, A note on a Griffiths-type ring for complete intersections in Grassmannians, Math. Z. 299 (2021): 1651–1672.

22. G. Mongardi and C. Onorati, Birational geometry of irreducible holomorphic symplectic tenfolds of O'Grady type, Math. Z. 300.4 (2022): 3497–3526

23. O. Debarre and G. Mongardi, Gushel-Mukai varieties with many symmetries and an explicit irrational Gushel-Mukai threefold, arxiv 2101.01959, Bollettino dell'Unione Matematica Italiana 15.1-2 (2022): 133-161.

24. E. Fatighenti, M. Kapustka, G. Mongardi and M. Rampazzo, The generalized roof F(1,2,n): Hodge structures and derived categories ,Algebras and Representation Theory (2022): 1-30.

25. E.Fatighenti, F. Meazzini, G.Mongardi and A.T.Ricolfi, Hilbert squares of degeneracy loci , Rendiconti del Circolo Matematico di Palermo Series 2 (2022): 1-31.

26. L. Kamenova, G. Mongardi and A. Oblomkov, Symplectic involutions of $K3^{[n]}$ type and Kummer n type manifolds, Bulletin of the London Mathematical Society, 54(3), 894-909.

Accepted papers

F. Charles, G. Mongardi and G. Pacienza, Families of rational curves on holomorphic symplectic varieties and applications to zero-cycles, to appear in Comp. Math., arXiv:1907.10970.

G. Mongardi and G. Pacienza, Density of Noether-Lefschetz Loci of polarized irreducible holomorphic symplectic varieties and applications, arXiv:1804.09440, to appear in Kyoto Math. J.

Ch. Lehn, G. Mongardi and G. Pacienza, Deformations of rational curves on primitive symplectic varieties and applications, to appear in Algebraic Geometry

PhD Thesis

Automorphisms of Hyperkähler manifolds, Universitá degli studi RomaTRE, 2013

Electronic Preprints

G. Mongardi, K. Tari and M. Wandel, Prime order automorphisms of abelian surfaces: a lattice theoretic point of view, arXiv:1506.05679.

M. Kapustka, G. Mongardi, G. Pacienza and P. Pokora, On the Boucksom-Zariski decomposition for irreducible symplectic varieties and bounded negativity, arxiv:1911.03367.

M. Kapustka, G. Kapustka and G. Mongardi, EPW sextics vs EPW cubes, arxiv:2202.00301

Ch. Lehn, G. Mongardi and G. Pacienza, The Morrison–Kawamata cone conjecture for singular symplectic varieties, arXiv:2207.14754

Ch. Lehn, G. Mongardi and G. Pacienza, Footnotes to the birational geometry of primitive symplectic varieties, arXiv:2210.12451

Academic activity

Talks given

December 2011, invited speaker at "Seminario di natale 2011" at the University of Milan, talk entitled "Symplectic involutions on deformations of $K3^{[2]}$".

March 2012, invited speaker at "Seminario di Geometria algebrica" at La Sapienza Universitá di Roma, talk entitled "Automorfismi simplettici di superfici K3" (survey talk).

April 2012, invited speaker at "Seminario di Geometria algebrica" at La Sapienza Universitá di Roma, talk entitled "Automorfismi simplettici di 4-varieta' Hyperkähler".

June 2012, invited speaker at "GAeL XX" at the Institute Fourier in Grenoble, talk entitled "On symplectic automorphisms of holomorphic symplectic fourfolds".

September 2012, invited speaker at "Progressi recenti in Geometria reale e complessa" in Levico Terme, talk entitled "On symplectic automorphisms of Hyperkähler manifolds".

November 2012, invited speaker at "Seminario di Geometria" at the Universitá degli studi RomaTRE, talk entitled "Varietá Hyperkähler e loro automorfismi".

December 2012, invited speaker at "Seminario Generale Dottorandi" at the Universitá degli studi RomaTRE, talk entitled "Automorfismi di varietá simplettiche".

December 2012, invited speaker at "Seminari del dottorato" at the Universitá degli studi di Firenze, talk entitled "Automorfismi di varietá simplettiche".

April 2013, invited speaker at "Oberseminar" at the University of Hannover, talk entitled "On natural deformations of symplectic automorphisms of manifolds of $K3^{[n]}$ type".

July 2013, internal speaker at Milan University, talk entitled "Deformazioni di automorfismi simplettici su schemi di punti su K3".

November 2013, invited speaker at Tor Vergata University, talk entitled "Negative divisors and the ample cone of deformations of Hilbert schemes of points on K3".

December 2013, invited speaker at Poitiers University, talk entitled "Symplectic automorphisms of manifolds of $K3^{[n]}$ type".

December 2013, invited speaker at Strasbourg University, talk entitled "Ample cone and negative divisors for Hilbert schemes of points on K3s".

April 2014, invited speaker at Jussieu University, talk entitled "Symplectic automorphisms over deformations of $K3^{[n]}$"

June 2014, invited speaker at Lille University, talk entitled "Ample cone and negative divisors on symplectic manifolds"

September 2014, internal speaker at Milan University, talk entitled "Ample cone and negative divisors on symplectic manifolds"

October 2014, invited speaker at R.I.M.S. of Kyoto University, talk entitled "Monodromy and Ample cones of Holomorphic symplectic manifolds"

November 2014, invited speaker at Pavia University, talk entitled "Monodromy and Ample cones of Holomorphic symplectic manifolds"

January 2015, invited speaker at I.R.M.A. in Strasbourg, talk entitled "Linear series on abelian surfaces and rational curves on generalized Kummer manifolds"

February 2015, invited speaker at Torino University, talk entitled "Rational curves on generalised Kummer manifolds"

February 2015, invited speaker at the workshop on geometry and arithmetics of Hyperkähler manifolds, held at Leibniz Universität Hannover, talk entitled "Monodromy of irreducible symplectic manifolds"

May 2015, invited speaker at the workshop "Modular forms and geometry of modular varieties", Held at I.M.P.A in Rio de Janeiro, talk entitled "The monodromy group of generalized Kummer varieties"

May 2015, invited speaker at Krakow university, talk entitled "Ample cone and negative divisors on symplectic manifolds"

May 2015, invited speaker at IMPAN Algebraic Geometry seminar in Warsaw, talk entitled "Automorphisms of holomorphic symplectic manifolds"

May 2015, invited lecturer at the school "Algebraic varieties and their moduli", course entitled "Hyperkähler manifolds"

September 2015, invited speaker at the twentieth conference of the italian mathematical union, talk entitled "Applicazioni alla geometria simplettica della teoria di Brill Noether."

November 2015, invited speaker at the conference "Hyper-Kähler Manifolds and Related Structures in Algebraic and Differential Geometry", talk entitled "Automorphisms of Hyperkähler manifolds"

December 2015, invited speaker at Leibniz Universität Hanover, talk entitled "The Barnes-Wall lattice and O'Grady's six dimensional manifold"

February 2016, invited speaker at Zurich University, talk entitled "The O'Grady's six dimensional manifold as a quotient"

April 2016, invited speaker at Bologna University, talk entitled "La varietá sei dimensionale di O'Grady vista come quoziente"

April 2016, invited speaker at "Workshop zur Reinen Mathematik" held at Leibniz Universität Hanover, talk entitled "Holomorphic symplectic manifolds: cones, monodromy, automorphisms and Chow rings".

May 2016, invited speaker at IMPAN, Warsaw, talk entitled "The O'Grady's six dimensional manifold as a quotient"

May 2016, invited speaker at "Giornate di geometria algebrica e argomenti correlati", held at Catania University, talk entitled "La varietá sei dimensionale di O'Grady vista come quoziente"

August 2016, invited speaker at "Boot camp on explicit construction of irreducible symplectic manifolds", held in Hakodate, talk entitled "The O'Grady's six dimensional manifold as a quotient".

November 2016, invited speaker at "From algebro geometric to biomedical" at Leipzig MPI, talk entitled "The O'Grady's six dimensional manifold as a quotient".

November 2016, invited speaker at Chemnitz T.U., "talk entitled Chow rings of holomorphic symplectic manifolds: known structure, conjectures and speculations".

December 2016, invited speaker at Tsinghua Sanya International Mathematics forum, talk entitled "Non regular involutions on $Hilb^3(K3)$".

March 2017, invited speaker at Edimburgh University, talk entitled "The last involutions".

March 2017, internal lecturer at "Topics in Mathematics" at Bologna university.

May 2017, invited speaker at Cracow University, talk entitled "Calabi Yau quotients of hyperkählers".

May 2017, invited speaker at Higher school of Economics, Moscow, talk entitled "Calabi Yau quotients of hyperkählers".

May 2017, invited speaker at Higher school of Economics, Moscow, talk entitled "Hodge numbers of the O'Grady six dimensional manifold".

January 2018, invited speaker at RomaTRE university, talk entitled "Special symmetries of O'Grady's manifolds".

February 2018, invited speaker at Impan Warsaw, talk entitled "Special symmetries of O'Grady's manifolds".

March 2018, invited speaker at Cracow University, talk entitled "Hilbert schemes of points and various equivalencies".

April 2018, invited speaker at "Workshop: sheaves, curves and moduli", talk entitled "Hilbert schemes of points and various equivalencies".

April 2018, invited speaker at "Follow up workshop to JTP Algebraic Geometry", talk entitled "Curve classes on irreducible holomorphic symplectic manifolds ".

May 2018, invited speaker at HSE Moscow, talk entitled "Fano varieties of K3 type and Hyperkähler manifolds".

May 2018, invited speaker at the research group on Motives of Calabi-Yau manifolds in Cracow, talk entitled "Curve classes on irreducible holomorphic symplectic manifolds ".

August 2018, internal speaker at "Third japanese european symposium on symplectic varieties and moduli spaces", talk entitled "Curve classes on irreducible holomorphic symplectic manifolds ".

December 2018, invited speaker at "III Congresso Brasileiro de Jovens Pesquisadores em Matemática Pura, Aplicada e Estatística", talk entitled "Curve classes on irreducible holomorphic symplectic manifolds ".

December 2018, invited speaker at "Aeneas conference", talk entitled "Hyperkähler manifolds".

March 2019, invited speaker at Loughborough University, talk entitled "Involutions on Hilbert schemes on K3 surfaces".

March 2019, invited speaker at Milano University, talk entitled "Rational loci in IHS manifolds: results and speculations".

April 2019, invited speaker at Universitè de Lorraine, talk entitled "Curve classes on irreducible holomorphic symplectic varieties".

June 2019, invited speaker at " Hyperkähler event" at HSE Moscow, talk entitled "All what you wanted to know about $OG6$ and never dared to ask, I".

June 2019, invited speaker at " Hyperkähler event" at HSE Moscow, talk entitled "All what you wanted to know about $OG6$ and never dared to ask, II".

September 2019, invited speaker at "The Geometry of derived categories", talk entitled "K3 categories in Fano varieties of K3 type".

October 2019, invited speaker at Amsterdam University, talk entitled "Curve classes on irreducible holomorphic symplectic varieties".

December 2019, invited speaker at "Selected Topics of Simons Semesters" in Warsaw, talk entitled "Hodge conjecture and rational curves on Holomorphic symplectic manifolds".

December 2019, invited speaker at IMPAN Algebraic Geometry seminar in Warsaw, talk entitled "Coisotropic subvarieties of some IHS manifolds".

February 2020, invited speaker at Cracow University, talk entitled "Results and mistakes on the O'Grady tenfold."

July 2020, invited speaker at Iskovskikh seminar, at Steklov Mathematical Institute (Moscow, held online), talk entitled "IHS Manifolds: Automorphisms, Kahler cones and related questions".

March 2021, invited speaker at RomaTRE University, talk entitled "Irrational Gushel Mukai threefolds".

June 2021, invited speaker at the conference "Classical algebraic geometry", held at Oberwolfach, talk entitled "Irrational Gushel Mukai threefolds".

June 2021, invited speaker at the conference "Algebraic geometry in Milan", held at Milan University, talk entitled "Irrational Gushel Mukai threefolds".

September 2021, invited speaker at IMPAN Cracow, talk entitled "Irrational Gushel Mukai threefolds".

September 2021, invited speaker at the conference "Moduli spaces and Hyperkähler varieties" held at Sapienza University, talk entitled "3 to 6 EPW".

November 2021, invited speaker at SaarBrucken University, talk entitled "Irrational Gushel Mukai threefolds".

June 2022, invited speaker at the Conference in Honour of Markushevich's 60+2 birthday at Levico Terme, talk entitled "Irrational Gushel Mukai threefolds".

September 2022, invited speaker at the conference "Hyperkähler varieties and related topics" held in Roma, talk entitled "Kawamata-Morrison cone conjecture for singular HK, I"

September 2022, substitute speaker at the conference "Hyperkähler varieties and related topics" held in Roma, talk entitled "Kawamata-Morrison cone conjecture for singular HK, II"

January 2023, lecturer at the program "Hyperkähler quotients, singularities and quivers", lecture entitled "Wall divisors and birational geometry of primitive symplectic varieties"

Peer review activity

Referee for Journal of the European Mathematical Society, Proceedings of the Royal Society of Edinburgh, Proceedings of the INdAM workshop "Birational Geometry and Moduli Spaces", Mathematische Nachrichten, International Mathematics Research Notices, Mathematische Annalen, Épijournal de Géométrie Algébrique, Mathematische Zeitschrift, Proceedings of the London Mathematical Society, Advances in Mathematics, Compositio Mathematica, Algebraic Geometry, Kyoto Journal of Mathematics. Referee for a PhD thesis for the University of Milan and one for Sapienza University.

Institutional activity

Academic year 2022/2023, Member of the Phd Council in Mathematics at the University of Bologna.

Academic year 2021/2022, Member of the PhD Committee for the candidate Filippo Sarti, Bologna University.

Academic year 2021/2022, Secretary of the Hiring Committee for a tenure track researcher (RTD/B), Bologna University.

Academic year 2020/2021, Secretary of the Hiring Committee for a tenure track researcher (RTD/B), La sapienza University of Rome.

Academic year 2020/2021, December, Member of the Degree Awarding Committee, Bachelor Degree in Mathematics, University of Bologna.

Since May 2021, Member of the department junta (administrative body).

Since May 2021, Member of the department didactics committee.

Since May 2021, Delegate of the director of the department for matters concerning the junta.

Academic year 2020/2021, Member of the Hiring Committee for two PostDoc positions, University of Bologna.

Academic year 2020/2021, Member of the Phd Council in Mathematics at the University of Bologna.

Academic year 2019/2020 and 2020/2021, member of the Committee charged with preparing a draft for a new master degree in mathematical, University of Bologna.

Academic year 2019/2020, Member of the PhD Committee for the candidate Valeria Bertini, Joint program between Tor Vergata University and Strasbourg University.

Academic years from 2018/2019, to 2022/2023, member of the Committee charged with assigning scholarships to students preparing the master thesis abroad, University of Bologna.

Academic year 2019/2020, member of the Committee charged with assigning scholarships to students and PhD students applying for a period of studies in Russia.

Academic year 2019/2020, President of the Hiring Committee for a fixed term researcher (RTD/A), University of Bologna.

Academic year 2019/2020, Secretary of the Hiring Committee for the PhD program in mathematics, University of Bologna.

Academic year 2019/2020, President of the Hiring Committee for a PostDoc position, University of Bologna.

Academic year 2019/2020, September, Member of the Degree Awarding Committee, Master Degree in Mathematics, University of Bologna.

Academic year 2019/2020, October, Member of the Degree Awarding Committee, Master Degree in Mathematics, University of Bologna.

Academic year 2018/2019, Secretary of the Hiring Committee for a PostDoc position, INdAM.

Academic year 2018/2019, September, Member of the Degree Awarding Committee, Master Degree in Mathematics, University of Bologna.

Teaching activity

Academic year 2022/2023, Lecturer for the PhD course "Hyperkähler manifolds" At Bologna University, 24 hours.

November 2021, Lecturer at the CISM PhD school "Derived Categories of Fano Varieties, Hyperkähler Varieties and Their Period Maps", course entitled "Fano Varieties, Hyperkähler varieties and their period maps ", 10 hours.

Academic year 2022/2023, Lecturer for the course "Istituzioni di Matematica P" At Bologna University, 30 hours.

Academic year 2022/2023, Lecturer for the course "Geometria 2" (General topology) At Bologna University, 48 hours.

Academic year 2022/2023, Lecturer and Assistant for the course "Geometria Complessa" (Complex Geometry) At Bologna University, 40+12 hours.

Academic year 2021/2022, Lecturer and Assistant for the course "Geometria Complessa" (Complex Geometry) At Bologna University, 40+12 hours.

Academic year 2021/2022, Assistant for the course "Matematica con esercitazioni" At Bologna University, 60 hours.

Academic year 2021/2022, Lecturer for the course "Geometria 2" (General topology) At Bologna University, 48 hours.

Academic year 2020/2021, Lecturer and Assistant for the course "Geometria 2" (General topology) At Bologna University, 48+12 hours.

Academic year 2020/2021, Assistant for the course "Matematica con esercitazioni" At Bologna University, 60 hours.

Academic year 2019/2020, Lecturer and assistant for the course "Matematica" At Bologna University, 60+20 hours.

Academic year 2019/2020, Assistant for the course "Complementi di Geometria superiore" At Bologna University, 12 hours.

Academic year 2019/2020, Assistant for the course "Matematica con esercitazioni" At Bologna University, 60 hours.

Academic year 2018/2019, Lecturer for the course "Matematica con esercitazioni" At Bologna University, 60 hours.

Academic year 2018/2019, Assistant for the course "Complementi di Geometria superiore" At Bologna University, 12 hours.

Academic year 2017/2018, Lecturer for the course "Matematica con esercitazioni" At Bologna University, 60 hours.

Academic year 2017/2018, Assistant for the course "Complementi di Geometria superiore" At Bologna University, 12 hours.

Academic year 2016/2017, Lecturer for the course "Matematica con esercitazioni" At Bologna University, 55 hours.

Academic year 2015/2016, Lecturer for the PhD course "Hyperkähler manifolds" at Milan University, 8 hours.

Academic year 2014/2015, Assistant for the course "Complex varieties" at Milan University, 10 hours.

Academic year 2010/2011, Assistant for the course GE220 (general topology) at the University of RomaTRE, 12 hours.

Academic year 2009/2010, Student assistant for the course Matematica (mathematics for chemistry) at the University of Bologna, 25 hours.

Students supervised

Annalisa Grossi, PhD student, Thesis entitled "Automorphisms of O'Grady's sixfolds" (Defended 2020).

Yulieth Prieto, PhD student, Thesis entitled "Automorphisms on algebraic varieties: K3 surfaces, hyperkähler manifolds and applications on Ulrich bundles", joint with Alice Garbagnati (Defended 2022).

Francesco Denisi, PhD student (in progress) working on birational geometry of symplectic varieties, Co-advisor (Advisor: Gianluca Pacienza).

Simone Billi, PhD student (in progress) working on Hyperkähler manifolds and automorphism groups.

Simone Billi, Master student, Thesis entitled "On Reider's Theorem and a generalization", Co-advisor (Advisor: Andreas Leopold Knutsen) (2020).

Alessandro Passantino, Master student, Thesis entitled "Superfici complesse di tipo generale e applicazioni pluricanoniche" (2020).

Matteo Ugolini, Master student, Thesis entitled "K3 surfaces" (2019).

Giacomo Nanni, Master student (2023).

Giorgio Morodo, Bachelor student, Thesis entitled "Compattezza e separazione" (2021).

Saverio Caleca, Bachelor student (2022).

Luca Righi, Bachelor student (2022).

Matteo Rossi, Bachelor student (2022).

Francesco Fraboni, Bachelor student (2022).

Chiara Biguzzi, Bachelor student (2023).

Post-Doctoral supervision

Claudio Onorati, 6 months (2018/19).

Marco Rampazzo, In progress (since February 2021).

Francesco Meazzini, 6 months (2022).

Conferences/seminars organized

Organized the cycle of general mathematical seminars "I té della matematica" at the University of RomaTRE for the academic year 2011/2012.

Organized the cycle of general mathematical seminars "I té della matematica" at the University of RomaTRE for the academic year 2012/2013.

Member of the organizing committee for the conference "GAeL XXI" held in Stockholm in June 2013.

Member of the organizing committee for the workshop "Brill-noether methods in the study of Hyperkähler and Calabi-Yau manifolds" held in Bonn in March 2014.

Member of the organizing committee for the conference "GAeL XXII" held in Trieste in June 2014.

Member of the organizing committee for the conference "Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" held in Kyoto in October 2015.

Member of the organizing committee for the conference "Second Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" held in Levico (Italy) in September 2017.

Member of the organizing committee for the workshop "Periods and Ricci flat manifolds" held in Banach center, Warsaw, in september 2017.

Member of the organizing committee for the conference "Workshop on IHS manifolds and stability conditions" held in Bologna (Italy) in November 2017.

Member of the organizing committee for the conference "Third Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" held in Tokyo (Japan) in August 2018.

Member of the organizing committee for the conference "Workshop on Fano and IHS manifolds" held in Rimini (Italy) in January 2019.

Member of the organizing committee for the cycle of general mathematical seminars for PhD students "Topics in mathematics" for the Academic year 2018/2019.

Member of the organizing committee for the conference "Fourth Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" held in Zürich (Switzerland) in June 2019.

Member of the organizing committee for the cycle of seminars "Seminario di Algebra e Geometria" for the Academic year 2019/2020 and 2020/2021.

Member of the organizing committee for the conference "Workshop Exarchos", held in Ravenna (Italy) in January 2020

Member of the organizing committee for the conference "Fifth Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" held online in September 2020.

Member of the organizing committee for the conference "Sixth Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" held dually in Bologna and in Tokyo in March 2022.

Member of the organizing committee for the special program "Hyperkähler quotients, singularities and quivers" Held in Stony Brook in January/February 2023.

Member of the organizing committee for the workshop "Hyperkähler quotients, singularities and quivers" Held in Stony Brook in February 2023.

Member of the organizing committee for the conference "Seventh Japanese-European Symposium on Symplectic Varieties and Moduli Spaces" to be held in Milan in may 2023.

Guest positions/Thematic programs

July 2013-September 2013 Guest of the Complex Geometry group of Bonn's University.

October 2013-December 2013 Guest of the Max Planck Institute for Mathematics in Bonn.

Invited participant of the junior trimester program in algebraic geometry at the Hausdorff center, Bonn 2014.

October 2015-December 2015 Guest of the Max Planck Institute for Mathematics in Bonn.

May 2016 Guest of the IMPAN, Warsaw, for the MINIPAGES trimester.

July 2016 Guest of Leibniz Universität Hanover.

August 2017 Guest of the Max Planck Institute for Mathematics in Science, in Leipzig.

August 2018 Guest of the R.I.M.S. of Kyoto University.

April 2019 Visiting Professor at Universitè de Lorraine.

January/February 2023 Guest of the Simons Center for Geometry and Physics as part of the program "Hyperkähler quotients, singularities and quivers".

Membership in research groups

Member of one of the research groups for the Junior trimester in Algebraic geometry at the Hausdorff institute of Bonn.

Member of the F.I.R.B. "Spazi di moduli ed applicazioni" research group lead by P.I. Gilberto Bini.

Member of the P.R.I.N. 2015 research group lead by P.I. K.G. O'Grady.

Member of the P.R.I.N. 2017 research group lead by P.I. K.G. O'Grady.

Grants as P.I.

awarded a competitive grant from INDAM entitled "Progetto giovani ricercatori" for a total of 35000 Euro in 2018.

P.I. of the P.R.I.N. 2020 research group "Curves, Ricci flat varieties and their interaction". Total amount 587.857 euro.

Last updated: February 13, 2023