

UNIVERSITÀ DEGLI STUDI DI MILANO
selezione pubblica per n. 1 posto di Ricercatore a tempo determinato in tenure track (RTT)
per il settore concorsuale 01/A2 - Geometria e Algebra,
settore scientifico-disciplinare MAT/03 - Geometria
presso il Dipartimento di Matematica "Federigo Enriques",
(avviso bando pubblicato sulla G.U. n. 97 del 22/12/2023) Codice concorso 5467

Annalisa Grossi

CURRICULUM VITAE

(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE GLI ELEMENTI CHE IL CANDIDATO RITIENE UTILI AI FINI DELLA VALUTAZIONE.

LE VOCI INSERITE NEL FACSIMILE SONO A TITOLO PURAMENTE ESEMPLIFICATIVO E POSSONO ESSERE SOSTITUITE, MODIFICATE O INTEGRATE)

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	GROSSI
NOME	ANNALISA
DATA DI NASCITA	07/01/1992

TITOLI

TITOLO DI STUDIO

(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)

Laurea Magistrale in Matematica, LM 40, Università degli Studi di Bologna conseguita in data 23/09/2016 con una tesi dal titolo : "Varietà toriche e politopi convessi", relatore: Luca Migliorini.
Voto finale : 110/110 e lode

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire titolo, ente, data di conseguimento, ecc.)

Dottore di ricerca in Matematica presso Università degli Studi di Bologna. Titolo conseguito in data 03/04/2020 con tesi dal titolo "Automorphisms of O'Grady's sixfolds". Relatore Giovanni Mongardi

CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI

(per ciascun contratto stipulato, inserire università/ente, data di inizio e fine, ecc.)

04.2023 - ongoing - Postdoctoral fellow, ERC Synergy Grant 854361 "HyperK", Université Paris-Saclay, Laboratoire de mathématiques d'Orsay, Rue Michel Magat, Bât. 307, 91405 Orsay, France.
Mentor: Prof. Emanuele Macrì.

10.2020 - 03.2023 Post-doc position, Technische Universität Chemnitz, Fakultät für Mathematik, Reichenhainer Straße 39, 09111 Chemnitz, Germany. Mentor: Prof. Christian Lehn.

10.2019 - 9.2020. Post-doc position, Universität Augsburg, Fakultät für Mathematik, Universitätstraße 2, 86159 Augsburg, Germany. Mentor: Prof. Marc Nieper-Wisskirchen.

ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO

(inserire periodo [gg/mm/aa inizio e fine], anno accademico, ateneo, corso laurea, numero ore, ecc.

10.2021 - 02.2022. Teaching assistant for the course Perverse Sheaves (30 hours) Technische Universität Chemnitz, Fakultät für Mathematik, Germany.

04.2021 - 07.2021. Teaching assistant for the course Complex Geometry (30 hours) Technische Universität Chemnitz, Fakultät für Mathematik, Germany.

10.2020 - 02.2021. Teaching assistant for the course Representation Theory (30 hours) Technische Universität Chemnitz, Fakultät für Mathematik, Germany.

10.2020 - 02.2021. Lecturer for the course Commutative Algebra (30 hours) Technische Universität Chemnitz, Fakultät für Mathematik, Germany.

04.2020 - 07.2020. Teaching assistant for the course Computer Algebra (30 hours) Universität Augsburg, Fakultät für Mathematik, Germany.

10.2019 - 02.2020. Teaching assistant for the course Algebra (20 hours) Universität Augsburg, Fakultät für Mathematik, Germany.

2018 - 2019. Teaching assistant for the course Matematica con esercitazioni (30 hours) Università degli studi di Bologna, Dipartimento di Chimica e Tecnologie per l'ambiente e per i materiali, Italy.

2017 - 2018. Teaching assistant for the course Matematica con esercitazioni (30 hours) Università degli studi di Bologna, Dipartimento di Chimica e Tecnologie per l'ambiente e per i materiali, Italy.

2016 - 2017. Teaching assistant for the course Matematica con esercitazioni (30 hours) Università degli studi di Bologna, Dipartimento di Chimica e Tecnologie per l'ambiente e per i materiali, Italy.

2018 - 2019. Teaching assistant for the course Algebra e Geometria (30 hours) Università degli studi di Bologna, Department of Physics, Italy.

2017 - 2018. Teaching assistant for the course Algebra e Geometria (30 hours) Università degli studi di Bologna, Department of Physics, Italy.

2016 - 2017 . Teaching assistant for the course Algebra e Geometria (30 hours) Università degli studi di Bologna, Department of Physics, Italy.

2015 - 2016. Teaching assistant for the course Geometria 1 (30 hours) Università degli studi di Bologna, Department of Mathematics, Italy.

WORKSHOP AND SEMINARS ORGANIZED

June 2023. Member of the organizing committee of the 2 days workshop "Kummer in Paris" University of Paris-Saclay, Orsay, France.

February 2023. Member of the organizing committee of the workshop "Young perspectives on IHS manifolds" University of Stuttgart, Germany.

January 29-31 2019. Member of the organizing committee of "Workshop on Fano and IHS manifolds", held at Università degli studi di Bologna, Italy.

November 23-24 2017. Member of the organizing committee of "Workshop on IHS manifolds and stability conditions" held at Università degli Studi di Bologna, Italy.

Referee, Reviewer

Referee for Algebra & Number Theory, Mathematische Zeitschrift, Forum Math Sigma.
Reviewer for Zentralblatt-math, Mathematical Reviews.

REFEREE, REVIEWER

Referee for Algebra and Number Theory, Mathematische Zeitschrift, Forum Math Sigma.
Reviewer for Zentralblatt-math, Mathematical Reviews.

WORKING SEMINARS

05.2022-07.2022. Joint working seminar at Chemnitz University about "Logarithmic deformation theory of normal crossing varieties and smoothability".

10.2021-01.2022. Member of the organizing committee of the joint working seminar among University of Bologna, Chemnitz and Nancy about "Bridgeland stability conditions".

03.2021-05.2021. Joint working seminar at Chemnitz University about "Berkovich skeleta and birational geometry".

VISITING PERIODS

04.2022. Guest of the Faculty of Mathematics of Università degli studi di Milano.

02.2022. Guest of the Faculty of Mathematics of Université de Lille.

11.2019. Guest of the Faculty of Mathematics of TU Chemnitz (Germany), supervised by Prof. Christian Lehn.

5.2019. Guest of the Université de Poitiers (France), supervised by Prof. Alessandra Sarti.

4.2018 - 5.2018. Guest of the Massachusetts Institute of Technology (M.I.T.) in Boston, MA, supervised by Prof. Giulia Saccà.

ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI

(inserire titolo congresso/convegno, data, ecc.)

Invited talks

May, 2024. Montpellier University.

May, 2024. Toulouse University.

February 29, 2024. Strasbourg University.

January 10-11, 2024. Dijon University.

January 22-26, 2024. Conference "Fano and Hyperkähler varieties" in Genova.

December 12-14, 2023. Saarbrücken University.

December 6-7, 2023. Conference "New perspectives on Enriques surfaces" at University of Turin.

September 11-15, 2023. Conference "Giornate di Geometria Algebrica ed Argomenti Correlati", Hotel San Michele Cetraro, Italy.

September 1-8, 2023. Conference "Geometry of Hyperkähler varieties", Institute for Advanced Study in Mathematics (IASM-Hangzhou), China.

July 13, 2023. "Irreducible symplectic varieties via Prym fibrations", Groupe de Travail en Géométrie Algébrique at the University of Poitiers, France.

May 22-26, 2023. Conference: "Japanese-European symposium on symplectic varieties and moduli spaces", Università degli studi di Milano, Italy.

May 12, 2023. Algebraic geometry seminar at Università degli Studi di Bologna.

April 9-14, 2023. Komplexe Analysis – Differential and Algebraic methods in Kähler spaces. Oberwolfach, Germany.

January 29-February 3, 2023. Workshop: "Hyperkähler quotients, singularities, and quivers", Simons Center, Stony Brook, US.

June 13-17, 2022. Conference "New Perspectives on Hyperkähler Manifolds - A Celebration of Dimitri Markushevich's (60+2)nd Birthday", Bellavista Relax Hotel, Levico Terme, Italy.

April 27-28, 2022. Workshop "Grothendieck ring and Derived category: a gathering", Università degli studi di Torino, Italy.

April 4-8, 2022. Conference "Symplectic Singularities in geometry and representation theory", CIRM, Marseille-Luminy, France.

March 14-18, 2022. Conference "Japanese - European symposium on symplectic varieties and moduli spaces", Bologna, Italy.

February 1, 2022. Algebraic geometry seminar, University of Lille, France.

December 13-17, 2022. Conference "Geometry and Arithmetic of varieties with trivial canonical bundle", Oslo, Norway.

November 11-12, 2021. Mini-workshop about Singular Irreducible Symplectic Varieties, Università di Milano, Italy.

October 7, 2021. Iskovskikh Seminar, HSE-Moscow, Russia.

July 5-9, 2021. Conference GAeL XXVIII, Loughborough, UK.

June 9, 2021. "A one-day workshop on K3 surfaces and hyperkähler manifolds", University of Milan, Italy.

February 5, 2021. Algebraic geometry seminar, University of Trento, Italy.

July 2, 2020. ZOOMerFEST: Young Algebraic Geometers seminars, HSE-Moscow, Russia.

January 22-24, 2020. "Workshop Exarchos on IHS manifolds", University of Bologna, Ravenna, Italy.

January 10, 2020. Algebra und Zahlentheorie" at Universität Augsburg, Germany.

November 25, 2019. Oberseminar "Algebra und Theoretische Mathematik" at TU-Chemnitz, Germany.

May 14, 2019. Groupe de Travail en Géométrie Algébrique" at the University of Poitiers, France.

June 2018. JAWS at University of Warwick, UK.

November 2017. "Morse theory", "B.a.d. seminar", University of Bologna, Italy.

FUNDING AND AWARDS

2019. Awarded a competitive funding from LYSM, for a visiting period at Université de Poitiers (France)

2016 - 2019. Obtained additional funding for research activities from INDAM during the course of Phd study activity in Italy.

2018. Awarded a competitive funding from G.H.A.I.A. Project, a European project for research activity in U.S., for a visiting period at Massachusetts Institute of Technology (M.I.T.) in Boston, MA.

HIRING COMMITTEE

February 2021. Member of the Hiring Committee of PhD students in Algebraic Geometry at TU-Chemnitz.

PRODUZIONE SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

1. Ph.D. thesis - 2020. Automorphisms of O'Grady's sixfolds. <http://amsdottorato.unibo.it/9441/>

2. D. Al Tabbaa, A. Grossi, A. Sarti. Symmetries of order eight on K3 surfaces without high genus curves in the fixed locus. Geometry at the Frontier, Contemporary Mathematics, 766, Amer. Math. Soc., Providence, RI, (2021), 17-30. doi.org/10.1090/conm/766/15370

3. A. Grossi. Induced birational transformations on O'Grady's sixfolds. Journal of The London Mathematical Society, 105 (2022), no. 1, 665-690. doi.org/10.1112/jlms.12538.

4. A. Grossi, C. Onorati, D.C. Veniani. Symplectic birational transformations of finite order on O'Grady's sixfolds. Kyoto Journal of Mathematics, 63 (2023), no. 3, pp. 615-639, [doi 10.1215/21562261-10577928](https://doi.org/10.1215/21562261-10577928).

5. A. Grossi. Nonsymplectic automorphisms of prime order on O'Grady's sixfolds. Revista Matemática Iberoamericana. 38 (2022), no. 4, pp. 1199-1218, doi.org/10.4171/RMI/1341. <https://arxiv.org/pdf/2004.12694.pdf>.

6. V. Bertini, A. Grossi. Rational curves on primitive symplectic varieties of OG6 singular type. Math. Z. 304 (2023), no. 36, doi.org/10.1007/s00209-023-03296-5

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% Preprint
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1. L. Giovenzana, A. Grossi, C. Onorati, D.C. Veniani. Symplectic rigidity of O'Grady's tenfolds. Submitted. <https://arxiv.org/pdf/2206.11594.pdf>

2. C. Felisetti, F. Giovenzana, A. Grossi. O'Grady tenfolds as moduli spaces of sheaves. Submitted. (2023) <https://arxiv.org/pdf/2303.07017.pdf>

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% Papers in preparation
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1. Irreducible symplectic varieties via relative Prym varieties. With E. Brakkee, C. Camere, G. Saccà, L. Pertusi and A. Viktorova.

2. Terminalizations of quotients of compact hyperkähler manifolds by induced symplectic automorphisms. With V. Bertini, M. Mauri and E. Mazzon.

3. Hyperkähler fourfolds of Kum_2 numerical type. With P. Beri.

4. Nonsymplectic automorphisms of O'Grady's tenfolds and associated cubic fourfolds. With S. Billi.

5. Irreducible symplectic varieties from Fano varieties of K3 type. With V. Bertini and F. Denisi.

Data

17.01.2024

Luogo

Parigi