

CURRICULUM VITAE ET STUDIORUM

ANNA MARIA FINO

Personal Information.

Nationality: Italian

Work address: Dipartimento di Matematica G. Peano, University of Torino
via Carlo Alberto 10, 10123 Torino, tel. +39 6702886

E-mail: annamaria.fino@unito.it

Web: <https://sites.google.com/site/annafino/home>

Member of: American Mathematical Society, European Mathematical Society, Unione Matematica Italiana.

Education.

PhD in Mathematics, University Consortium Torino-Genova, 1997

MSc in Mathematics (*summa cum laude*), University of Torino, 1992

Current and previous Positions.

Full Professor at the University of Torino from 4 May 2015 (on unpaid leave from 2022 to 2024).

Courtesy Professor at Florida International University, Miami, from October 2024.

Professor at Florida International University, Miami, 2022-2024.

Associate Professor, University of Torino, 2005–2015.

Visiting professor, University of Córdoba (Argentina) February 2008.

Visiting professor, University of Southern California at Riverside, May 2004.

Visiting professor, University of Southern Denmark, Odense, March–June 2002.

Lecturer (permanent position), University of Torino, 1996–2005.

Research Interests.

Research Areas: Differential Geometry, Complex Geometry, Lie theory.

Keywords: Special metrics on complex manifolds, cohomologies of almost complex manifolds, deformations of complex structures, symplectic manifolds, special holonomy; G_2 -structures, geometric flows.

Selected Publications.

Some remarks on strong G_2 -structures with torsion (with U. Fowdar), preprint math.DG/2502.06066, to appear in *J. Math. Pures Appl.*.

Fibrations over singular K3 surfaces and new solutions to the Hull-Strominger system, (with G. Grantcharov & J. Medel), *Adv. Math.* 482 (2025), part A, Paper No. 110600.

Special Hermitian structures obtained from hyperbolic suspensions, (with G. Grantcharov & M. Verbitsky), *Math. Ann.* 392 (2025), no. 1, 1099–1118.

Optical geometries, (with T. Leistner, A. Taghavi-Chabert), *Ann. Sc. Norm. Super. Pisa Cl. Sci.* 26 (2025), no. 1, 341–396.

On nearly parallel G_2 -manifolds: formality and associative submanifolds, (with M. Fernandez, A. Kovalev & V. Munoz), *Math. Res. Lett.* 31 (2024), no. 5, 1391–1434.

Solutions to the Hull-Strominger system with torus symmetry, (with G. Grantcharov & L. Vezzoni), *Comm. Math. Phys.* 388 (2021), no. 2, 947–967.

A compact G_2 -calibrated manifold with first Betti number $b_1 = 1$, (with M. Fernández, A. Kovalev & V. Munöz), *Adv. Math.* 381 (2021), Paper No. 107623, 37 pp.

A class of eternal solutions to the G_2 -Laplacian flow, (with A. Raffero), *J. Geom. Anal.* 31 (2021), no. 5, 4641–4660.

Closed warped G_2 -structures evolving under the Laplacian flow, (with A. Raffero), *Ann. Sc. Norm. Super. Pisa Cl. Sci.* 20 (2020), 315–348.

Astheno-Kähler and balanced structures on fibrations, (with G. Grantcharov & L. Vezzoni), *Int. Math. Res. Not.* IMRN 2019, no. 22, 6819–6886.

Holonomy groups of G_2^* -manifolds, (with I. Kath), *Trans. Amer. Math. Soc.* 371 (2019), no. 11, 7725–7755.

The Kähler Quotient Resolution of \mathbb{C}^3/Γ singularities, the McKay correspondence and $D = 3N = 2$ Chern-Simons gauge theories, (with U. Bruzzo, P. Fré), *Commun. Math. Phys.* 365 (2019), 93-214.

Algebraic dimension of complex nilmanifolds, (with G. Grantcharov & M. Verbitsky), *J. Math. Pures Appl.* (9) 118 (2018), 204-218.

Six dimensional solvmanifolds with holomorphically trivial canonical bundle, (with A. Otal & L. Ugarte), *Int. Math. Res. Not.* (2015), no. 24, 13757-13799.

The Calabi-Yau equation on the Kodaira-Thurston manifold, viewed as an S^1 -bundle over a 3-torus, (with E. Buzano & L. Vezzoni), *J. Differential Geom.* 101 (2), (2015), 175-195.

G_2 -structures on Einstein solvmanifolds, (with M. Fernandez & V. Manero), *Asian J. Math.* 19 (2015), 321-342.

The pluriclosed flow on nilmanifolds and Tamed symplectic forms, (with N. Enrietti & L. Vezzoni), *J. Geom. Anal.* 25 (2015), 883-909.

Analog of selfduality in dimension nine, (with P. Nurowski), *J. Reine Angew. Math.* 699 (2015), 67-110.

The Calabi-Yau equation on 4-manifolds over 2-tori (with Y. Li, S. Salamon & L. Vezzoni), *Trans. Amer. Math. Soc.* (365) (2013), 1551-1575.

Tamed symplectic forms and SKT metrics, (with N. Enrietti & L. Vezzoni), *J. Sympl. Geom.* 10 (2012), 203-224.

On the de Rham cohomology of solvmanifolds, (with S. Console), *Ann. Sc. Norm. Super. Pisa Cl. Sci.* (5) 10 (2011), 801-818.

On astheno-Kähler metrics, (with A. Tomassini), *J. London Math. Soc.* 83 (2011), 290-308.

Blow ups and resolutions of strong Kähler with torsion metrics, (with A. Tomassini), *Adv. Math.* 221 (2009), no.3, 914-935.

Properties of manifolds with skew-symmetric torsion and special holonomy, (with G. Grantcharov), *Adv. Math.* 189 (2004), 439-450.

Neutral Calabi-Yau structures on Kodaira Manifolds, (with H. Pedersen, Y. S. Poon & M. Weye Sorensen), *Commun. Math. Phys.* 248 (2004) no. 2, 255-268.

Families of strong KT structures in six dimensions, (with M. Parton & S. Salamon), *Comm. Math. Helv.* 79 (2004) no. 2, 317-340.

Dolbeault Cohomology of compact nilmanifolds, (with S. Console), *Transform. Groups* 6 (2001), 111-124.

Principal Investigator, Project Coordinator and Leadership.

- Local coordinator, project PRIN (2022) Real and Complex Manifolds: Geometry and holomorphic dynamics Ref: 2022AP8HZ9, 2023-2025. Budget 18,750 EUR.
- PI of the NSF Conference Grant "Symmetry and Geometry in South Florida", 2024, Budget 26,366\$.
- PI of Simons Foundation Collaboration Grant #944448 (Travel Support for Mathematicians), 2022-2027, Budget 42,000\$.
- Co-PI of the NSF Project #2221491, Joint Applied Mathematics and Statistics Scholarships, S-STEM-Schlr Sci Tech Eng&Math, Florida International University, Budget \$1,500,000.
- Local coordinator, project PRIN (2017) Real and Complex Manifolds: Topology, Geometry and holomorphic dynamics Ref: 2017JZ2SW5, 2019-2022. Budget 82,000 EUR.
- *Exterior Differential Systems of Riemannian Geometry*, FP7-PEOPLE-2012-IEF project 332209 funded by the *European Union*, 2013-2015. Budget 249,000 EUR.
- Coordinator of Projects of the University of Torino for the years 2006, 2008, 2012, 2013, 2014, 2015, 2018, 2019, 2020 and 2021.

Awards, Honors and Personal Grants.

- 'CASE Faculty Award' for Research, Florida International University, 2023.
- 'CASE Faculty Award' for Service, Florida International University, 2023 and 2024.
- Plenary Speaker, XXII Congress of the Italian Mathematical Union, September 2023.
- 'MATRIX-Simons Travel Grant', research program Spectrum and Symmetry for Group Actions in Differential Geometry II, 2 weeks in 2023.
- 'Research in pairs' fellowship (fully supported) at Oberwolfach (Germany), 2 weeks in 2016.
- 'Incentivo una tantum anno 2012' of University of Torino.
- Visiting research fellowship at University of Zaragoza (Spain), 2 months in 2011.

- ‘Research in pairs’ fellowship (fully supported) at CIRM/FBK, Trento (Italy), 1 month in 2009.
- Visiting research fellowship at Humboldt University zu Berlin, 1 month in 2005.
- Visiting research fellowship at USC Riverside (USA), 1 month in 2004.
- Visiting research fellowship, University of Odense (Denmark), 2 months in 2001.
- Prize for best MSc thesis in Mathematics, Torino 1992.

Editorialship & Refereeing.

- Founding Managing editor of *Complex manifolds*, de Gruyter Open, 2014-present
- Editorial boards:

The Journal of Geometric Analysis (2020-Present)

Note di Matematica (2020-Present)

Revista de la Unión Matemática Argentina (2018-Present)

Extracta Mathematica (2018-Present)

Annals of Global Analysis and Geometry (2012-Present)

- Editor of the volumes:

S.G.Chiossi, A. Fino, E. Musso, F. Podestá, L.Vezzoni (Eds), *Special Metrics and Group Actions in Geometry*, Springer INdAM Series 23, Springer-Verlag (2017).

S.G.Chiossi, A.Fino, I.Dotti (Eds), *In Memoriam Sergio Console*, Rend. Sem. Mat. Torino 46/1 (2016) (special issue)

M. Falcitelli, A. Fino, S. Marchiafava (Eds), *Proceedings of the International Conference Geometric Structures on Riemannian Manifolds*, Rend. Sem. Mat. Torino 73 No. 1-2 (2015) (special issue)

- Editor of the book series:

Sissa Springer Series (2025 -)

- Referee for the journals:

Adv. Math., Geom. Dedicata, Ann. Global Anal. Geom., J. Geom. Phys., J. Eur. Math. Soc., Int. Math. Res. Not., J. Math. Phys., Transform. Groups, Comm. Math. Phys., J. Algebra, Math. Ann., Pacific J. Math., Glasg. Math. J., Math. Z., Asian J. Math., Glasg. Math. J., Differential Geom. Appl., Q. J. Math., Ark. Mat., Illinois J. Math., J. Lond. Math. Soc., Note Mat., Rend. Circ. Mat. Palermo, J. Inequal. Appl., Monatsh. Math., C. R. Math. Acad. Sci. Paris, Adv. Geom., Math. Phys. Anal. Geom., Mediterr. J. Math., Ann. Mat. Pura Appl., Ann. Sc. Norm. Super. Pisa Cl. Sci, J. Geom. Anal., Invent. Math., Math. Res. Lett., Compositio Math., Comm. Anal. Geom., Canad. J. Math., Math. Ann., J. Math. Pures Appl., J. Diff. Geom.

Other Administration (national & international committees).

- International committees:

2024 - Member of the Advisory Committee of Institute for Mathematical Sciences of the Americas (IMSA), University of Miami.

2024 - Member of the international scientific commission Sciences Exactes et Naturelles-2 (SEN-2) of Belgium.

2018 - External Advisory Committee Member of Center of Mathematics (CMAT), University of Minho.

2009–2016 “Committee Developing Countries”, European Mathematical Society.

2009–2011 Project of the Spanish Ministry of Science and Innovation “Special structures in Geometry, Topology and Physics”, University of Zaragoza.

2010–2011 Joint German-Italian Vigoni Project (2010) “Moment map and Submanifold geometry” (German partner G. Thorbergsson (Köln)).

2000–2004 European Project “European Differential Geometry Endeavour” (EDGE), Rome node.

- National committees:

2021-2025 *Director of GNSAGA*¹, INdAM.

2018–2024 *Scientific Committee of UMI*².

2013-.2025 *Scientific Committee of GNSAGA*, INdAM.

¹Italian National Group for Algebraic and Geometric Structures and Applications

²Mathematics Italian Union

- Local administrative duties:

2020- Coordinator of the joint Ph.D. Program in Mathematics, University and Politecnico of Torino-INdAM.
 2017- 2023 Member of the Scientific Committee of Scuola degli Studi Superiore Ferdinando Rossi of University of Torino.

2015- 2018 Deputy Director for research of Department of Mathematics at the University of Torino.

2014–2020 Deputy Ccoordinator of the joint PhD Program in Mathematics, University and Politecnico of Torino.

2008– Ph.D. Committee, University of Torino.

2008–2015 Committee for MSc Degrees in Mathematics, University of Torino.

2008– 2012 International Committee for MSc Degrees in Mathematics, University of Torino.

2000–2006, 2010– 2015, 2018 - Executive Committee, Department of Mathematics, University of Torino.

Supervision.

- *Direction of Post-docs:*

- Tommaso Sferruzza, 2024-

- Riccardo Piovani, 2024-

- Giovanni Russo, 2023

- Lucia Martin-Merchan 2021- 2022 (10 months)

- Alberto Raffero, 2018-2022 (33 months)

- Nicoletta Tardini, 9 months in 2019-20

- Ioannis Chrysikos, INdAM COFUND Project, 2016-2018

- Arman Taghavi-Chabert, 2017

- Guorgui Mihaylov, 10 months in 2009

- Adrian Andrada, 6 months in 2008

- Luigi Vezzoni, 13 months in 2007-08

- *Ph.D. Students (former and current):*

- Nicola Enrietti, "SKT metrics and symplectic structures", Torino 2012

- Victor Manero, "Closed G_2 forms and special metrics", Bilbao 2015 (joint with M. Fernández)

- Alberto Raffero, "Non-integrable Special Geometric Structures in dimension six and seven", Torino 2016

- Leonardo Bagagli, "Nilmanifolds, submanifolds and flows related to classes of G_2 -structures", Firenze 2018

- Francesca Salvatore, "Special geometric structures in dimension six and seven", Torino 2022

- Fabio Paradiso, "Hermitian structures on almost nilpotent solvmanifolds", Torino 2024

- Eddy Perez, "Vaisman metrics and the Pluriclosed Flow", Miami 2024 (joint supervision with Gueo Grantcharov)

- Ricardo Suarez, "Clifford multiplication on spinor abelian varieties and algebraic curves", Torino 2024 (joint supervision with Ivona Grzegorzczak)

- Asia Mainenti, " p -Kähler and balanced structures on complex manifolds", Torino 2025

- Jose Medel, "Solutions to the Hull-Strominger system on non-Kähler manifolds", Miami 2025 (joint supervision with Gueo Grantcharov)

- Beatrice Brienza "Geometric Properties of the Bismut and the Obata connections", Torino 2025 (joint supervision with Gueo Grantcharov)

- Alberto Pipitone (third year PhD student, Roma Tor Vergata), joint supervision with Gueo Grantcharov

- *Visiting PhD students:*

R.Villacampa (Zaragoza), T.Madsen (Odense), A.Otal (Zaragoza), G.Bazzoni (Madrid), I.Lujan (Madrid), H.Kasuya (Tokyo), A. Latorre (Zaragoza), Z.Larbi (Oran), L. Merchan (Malaga), T. Otero (Santiago de Compostela).

- *Master students:*

1998-present (Torino): 36 master theses

2014 (Marburg): 1 master thesis (jointly supervised with I. Agricola)

- 39 Bachelor theses at University of Torino, 1998–present

External Examiner of PhD Theses.

- Andrei Barbuta, University of Cambridge, 2025.
- Pablo Gomez Nicolas, University of Cantabria, 2025.
- Alessandro Bertelotti, SISSA, 2025.
- Lorenzo Sillari and Sohaib Khalid, SISSA, 2024.
- Yi Ma, Toulouse (France), 2024.
- Mateo Anarella, KU Leuven (Belgio), 2024.
- José Luis Carmona Jiménez, Madrid (Spain), 2024.
- Raul Gonzales Molina, Madrid (Spain), 2024.
- Alessandro Vannini, L'Aquila, 2023.
- Chung-Ming Pan, Erfan Soheil, Toulouse (France), 2023.
- Romeo Dalmaso, Surrey (England), 2023.
- Alessandro Doldi, Milano (Italy), 2021.
- Francesco Esposito, Lecce (Italy), 2021.
- Andrea Anelli, Francesco Bastianoni, Davide Di Micco, Milano (Italy), 2020.
- Oliver Sonderegger, Hannover, 2020.
- Tat dat Tô, Toulouse (France), 2018.
- Adela Latorre, Zaragoza (Spain), 2016.
- Antonella Perrone, Lecce (Italy), 2015.
- Stefania D'Alessandro, Marco Marchi, Simona Scoleri, Milano (Italy), 2014.
- Maura Macrí, Torino (Italy), 2014.
- José Antonio Santisteban, Bilbao (Spain), 2014.
- Thomas Madsen, Odense (Denmark), 2011.
- Theofanis Matsoukas, Oxford (UK), 2010.
- Raquel Villacampa, Zaragoza (Spain), 2009.
- Massimo Vaccaro, Università Tor Vergata, Roma (Italy), 2007.
- Nils Schoemann, Humboldt-Universität zu Berlin (Germany), 2006.
- Richard Cleyton, Odense (Denmark), 2001.

External Examiner of Habilitation Theses.

- Gianluca Bande, Université de Haute Alsace (France), 2014.

Selected Conferences/Workshops (only invited/plenary speaker).

- Symmetry and shape, Celebrating the 65th birthday of Prof. C. Olmos, Santiago de Compostela, 2025*
- CauRiGeST-25: Cauchy-Riemann Geometry and Subelliptic Theory, 2025*
- ICMAM Latin America Satellite Conference on Differential Geometry, 2025*
- Glances@Manifolds - 2025, Kraków, 2025*
- Celebrating the Consortium IMSAC, International Conference, ICMS, Sofia, 2025*
- Conference celebrating Liviu's 65th birthday, Bucharest, 2025*
- Differential Geometry@L'Aquila 2025, L'Aquila, 2025*
- Complex Differential Geometry and Special Structures, Parma, 2025*
- Differential Geometry, Analysis and Epistemology in Milan - a conference in honor of Marco Rigoli's 70th birthday, Milano, 2025*
- Women in Geometry, IMAG, Granada, 2025*
- SCGAS Winter School, UC Irvine, 2025 (5 lectures)*
- Introductory Workshop: Special Geometric Structures and Analysis, SLMATH, Berkeley, 2024 (2 lectures)*
- PDE methods in complex geometry, American Institute of Mathematics, Pasadena, California, 2024*
- Connections Workshop: New Frontiers in Curvature & Special Geometric Structures and Analysis, SLMATH, Berkeley, 2024*
- IMSA Days in Sofia, Sofia, 2024*
- Geometrie, Oberwolfach, 2024*
- Generalized Geometry Meets String Theory, Granada, 2024*
- Simons Collaboration on Special Holonomy: Final meeting, Duke University, 2024 (online)*

Special Riemannian Metrics in Dimensions 6,7,8, Montreal, 2024.
PDEs in Complex Geometry, Montreal, 2024.
Special Holonomy and Geometric Structures on Complex Manifolds, IMPA, Rio de Janeiro, 2024.
Geometry Conference: 50 years of Nigel Hitchin's Mathematics, IMSA, Miami, 2023.
INDAM workshop Geometric flows on complex manifolds, Cortona, 2023.
XXII Congress of Italian Mathematical Union, Pisa, 2023.
Spectrum and Symmetry for Group Actions in Differential Geometry II, MATRIX research Program, Creiswick, 2023.
Emergent Geometries from Strings and Quantum Fields, Galileo Galilei Institute, Firenze, 2023.
GRIEG meets Chopin, Warsaw meeting on Geometric Methods in Science, Warsaw, 2023.
British Inland Graduate Workshop: Geometric flows and related topics, Inverness, 2023 (Mentor).
Journée scientifique, Université Paul Sabatier, Toulouse, 2023.
Quantum Toric Geometry, Generalized Geometries and O-Minimality, IMSA, University of Miami, 2023.
Spring 2023 Texas Geometry and Topology Conference, Fort Worth, TX, 2023.
2023 Midwest Geometry Conference, Manhattan, KS, 2023.
Cohomology of Complex Manifolds and Special Structures- III, Trento, 2023 (online).
Women in Mathematics in South-Eastern Europe, Sofia, 2022 (Distinguished Invited Speaker).
Symmetry and Shape, Santiago de Compostela, Spain, 2022.
Kähler and non-Kähler Geometry: New Developments and Interactions, Aarhus, 21-23 June 2022.
Geometry, Topology and Singular Special Holonomy Spaces, Freiburg, 6-10 June 2022.
Locally Conformal Symplectic Manifolds: Interactions and Applications (Online), Bannf, 2021.
Workshop on Special Geometries on Riemannian Manifolds, UQAM, Montreal, 2021.
Real and complex manifolds. The mathematical heritage of E. Vesentini, Scuola Normale di Pisa, online, 2021.
Miniworkshop Almost Complex Geometry, Oberwolfach, online, 2020.
Geometry and Applications Online celebrating the 80th birthday of Dmitri Alekseevsky, online, 2020.
Concluding Colloquium of the Research Training Group 1670, Hamburg, 2020.
Differential Geometry and Non-associative Algebras, CIRM, Luminy, 2019.
Dirac operators in differential geometry and global analysis - in memory of Thomas Friedrich (1949-2018), Bedlewo, 2019.
Abel Symposium, Alesund, 2019.
Special Metrics and Gauge Theory, ICMAT, Madrid, 2018.
Special Holonomy: Progress and Open Problems 2018, Simons Center, Stony Brook, 2018.
Glances@Manifolds, Kraków, 2018.
RIEMain in Contact, Cagliari, 2018.
Geometric Flows and Special Holonomy, Imperial College, 2018.
International Conference on Symmetry and Geometric Structures, Warsaw, 2017.
ÖMG - DMV 2017 - Special session on Differential Geometry, Salzburg, 2017.
Workshop on Geometric Analysis - Homage to Olga Gil-Medrano, Valencia, 2017.
Workshop on G2 Manifolds and Related Topics, The Fields Institute, Toronto, Canada, 2017.
Lie Group Actions in Riemannian Geometry, Dartmouth College, USA, 2017.
F.I.U. Winter Conference on Geometry, Topology and Applications, Miami, 2017.
V Workshop in Differential Geometry, Cordoba, Argentina, 2016.
Recent Advances in Complex Differential Geometry, Toulouse, 2016.
Special hermitian metrics on non-Kähler manifolds, Firenze, 2016.
End of Year London Geometry Conference, King's College London, 2015.
Minisymposia Topology and geometry of Lie group actions, DMV 2015, Hamburg, 2015.
Winter school & Workshop in Complex Analysis and Geometry, 2015, SNS Pisa.
G2 manifolds, Simons Center for Geometry and Physics, Stony Brook (USA), 2014.
47th Seminar Sophus Lie, Castle Rauschholzhausen (Germany), 2014.
Lorentzian and Conformal Geometry, Greifswald (Germany), 2014.
Differential Geometry Workshop, Aarhus (Denmark), 2013.
Real and complex manifolds: geometry, topology and harmonic analysis, SNS Pisa (Italy), 2013.
EGBI 2012, Brazil-Italy Geometry Meeting, Salvador (Brazil), 2012.

G2 days, King's College London and University College London, 2012.
 Third Minho Meeting on Mathematical Physics, Braga (Portugal), 2011.
 EMS-RMSE Joint Mathematical Weekend, Bilbao (Spain), 2011.
 Geometric structures on complex manifolds, Bogomolov Laboratory of Algebraic Geometry, Steklov Institute, Moscow (Russia), 2011.
 Geometric Structures in mathematical Physics, Golden Sands (Bulgaria), 2011.
 XIX International Fall Workshop on Geometry and Physics, Porto (Portugal), 2010.
 Differential Geometry and its Applications, Brno (Czech Republic), 2010.
 Dirac operators and Special Geometries, Marburg (Germany), 2009.
 Workshop on CR and Sasakian Geometry, Luxembourg, 2009.
 Holonomy Groups and Applications in String Theory, Hamburg (Germany), 2008.
 XVII International Fall Workshop on Geometry and Physics, Bilbao (Spain), 2008.
 Special Geometries in Mathematical Physics II, Kühlungsborn (Germany), 2008.
 Workshop on deformation theory in algebraic and differential geometry, HU Berlin (Germany), 2007.
 XV International Workshop on Geometry and Physics, Puerto de la Cruz, Tenerife (Spain), 2006.
 Special Geometries in Mathematical Physics I, Kühlungsborn (Germany), 2006.
 II Encuentro de Geometria Diferencial, La Falda (Argentina), 2005.
 Differential Geometry and Topology, SNS Pisa (Italy), 2004.
 EDGE Mid-Term meeting, SNS Pisa (Italy), 2003.
 Encuentro de Geometria Diferencial, Córdoba (Argentina), 2003.

Selected Invited Seminars. Córdoba (Argentina) 1997, 2000 and 2008; Odense (Denmark) 2001, 2002 and 2004; École Polytechnique, Paris (France) 1999; L'Aquila (Italy) 2003; HU Berlin (Germany) 2003 and 2005; ESI, Wien (Austria) 2004; USC Riverside (USA) 2004 and 2011; Campinas (Brasil) 2005; Bilbao (Spain) 2006; Parma (Italy) 2006 and 2020; CIRM Trento (Italy), 2009; Bochum (Germany) 2009; Köln (Germany) 2010; Oxford (UK) 2010; Lecce (Italy) 2010; Zaragoza (Spain) 2011 and 2013; Bielefeld (Germany) 2012; Stuttgart (Germany) 2013; Universidad Complutense, Madrid (Spain) 2013; Miami (USA) 2013; Bogomolov Laboratory of Algebraic Geometry, HSE, Moscow (Russia) 2014; Hannover (Germany) 2015; Queen Mary University of London, 2016; Marburg (Germany) 2017; Regensburg (Germany) 2018; Milano 2018; Münster (Germany) 2020, online; SISSA 2021; Parma 2021 (Colloquium); Columbia University 2022; University of Oklahoma 2022; University of Miami 2023; Graduate Center CUNY 2023; Research Member SLMATH, Berkeley September 2024.

Member of the Organizing/Scientific Committee of Workshops, Schools & Conferences. ,

- 2025 *Riemannian Geometry and related topics - a conference on the occasion of Simon Salamon's 70th birthday*, Torin
Cohomological and metric aspects of non-Kähler and almost complex manifolds, Erdos Center, Budapest
Complex Hermitian Geometry, Angers
Complex Geometry and Lie Groups, Osaka
Geometric partial differential equations from unified string theories, AIM, Pasadena, California
- 2024 *Special Session "Special geometries and Physics" 2nd AMS-UMI International Joint Meeting*, Palermo
Bridges International Conference, IESC, Cargese (Francia)
Symmetry and Geometry in South Florida, FIU, Miami
Congreso Bienal de la Real Sociedad Matematica Espanola, Pamblona
- 2023 *Real and Complex Manifolds: Topology, Geometry and Holomorphic Dynamics*, Roma
The 7th Workshop Complex Geometry and Lie Groups, Lecce
A Complex Differential Geometry Meeting at UniTo, Torino
May 12, a Celebration for Women in Mathematics, year 2023, MSRI (online)
- 2022 *A Geometric Analysis Meeting at UniTo*, Torino
May 12, a Celebration for Women in Mathematics, year 2022, MSRI (online)
First UMI meeting of PhD students, Padova
- 2021 *The 6th Workshop Complex Geometry and Lie groups*, Toki Messe, Niigata (online)
- 2019 *Bridging the Gap between Kähler and non-Kähler Complex Geometry*, BIRS, Banff (Canada)
XXI Congresso dell'Unione Matematica Italiana, Pavia

- 2018 *Pluripotential Theory, Geometric Analysis and Calibrated Geometry*, Torino
The 5th Workshop Complex Geometry and Lie Groups, Firenze
Geometries with torsion, Torino
- 2017 *Differential Geometry Days*, Torino
- 2016 *The IV Workshop Complex Geometry and Lie Groups*, Nara, Japan
International conference on differential geometry, Fez, Marocco
A Differential Geometry Day in memory of Sergio Console, Torino
Special session Geometric Structures, Lie Theory and Applications,
The first Joint Meeting Brazil - Italy in Mathematics, IMPA, Brazil
- 2015 *Workshop in memory of Sergio Console*, Torino
Geometric Structures on Riemannian manifolds, Bari
- 2014 *Carnival Differential Geometry*, Torino
Complex Geometry and Lie Groups, Torino
Special Session Symplectic geometry and special metrics at the First Joint International Meeting
RSME-SCM-SEMA-SIMAI-UNI, Bilbao
- 2013 *Geometry Day Milano-Torino*, Torino
Quaternion Kähler Structures in Riemannian and Algebraic Geometry, Oberwolfach (Germany)
- 2012 *Geometric structures on manifolds and their applications*, Castle Rauischholzhausen (Germany)
- 2011 *Section Topology and Differential Geometry at XIX UMI Congress*, Bologna
- 2009 *Turin Differential Geometry Day*, Torino
- 2007 *VI Workshop on Lie Theory and Geometry*, Córdoba, Argentina
- 2004 *New perspectives on Holonomy and Submanifolds*, Torino

Teaching Experience.

- Undergraduate courses:

At University of Torino:

Differential Geometry, 2020, 2019, 2018, 2013, 2012, 2010, 2009, 2004, 2000

Lie Groups, 2004

Complex Geometry, 2008, 2007, 2006

Topics in Geometry, 2025, 2024, 2021

Geometry 2, 2012, 2011, 2010,

Laboratory of Geometry for Applications, 2012, 2011

Geometry 3, 2015, 2014, 2013

Elements of Advanced Geometry, 2017, 2016, 2015, 2014, 2013

Geometry One, 2025, 2024, 2021, 2020, 2019, 2018, 2017

Algebra and Geometry for Mathematics for Finance and Insurance, 2009

Mathematics for Chemistry, 1999

Mathematics A and B for Chemistry, 2004, 2001

Mathematics C for Chemistry, 2008

Geometry and Linear Algebra I for Physics, 2007, 2006, 2005, 2004, 2003, 2002

Complements of Linear Algebra I for Physics, 2002

Functions of several variables for Physics, 2005.

At University of Odense: *Complex Analysis*, 2002.

At Florida International University: *Differential Geometry*, Spring 2022, Spring 2023 and Spring 2024; *Calculus 1*, Spring 2023; *Linear Algebra*, Fall 2023 and Spring 2024.

- Ph.D courses:

At University of Torino: *Differential Geometry, Lie Groups, Actions of Lie Groups and Symplectic Geometry, Ricci flow and Special Geometric Structures, Topological Properties of Manifolds with exceptional holonomy.*

At University of Lecce: *Lie Groups*, 2012.

At University of Saragoza: *Symplectic Geometry*, 2011.

At University of Odense: *Geometry III*, 2002.

At Florida International University: *Differential Geometry 2*, Fall 2022, *Applied Math Seminar*, Fall 2023.

February 10, 2026

A handwritten signature in black ink, consisting of three distinct, stylized characters that appear to be 'J', 'A', and 'M'.