

Stefano Montaldo

Curriculum Vitae

University of Cagliari
Dipartimento di Matematica e Informatica
Via Ospedale 72 - 09124 Cagliari - Italy

Current Position

2016–present **Full Professor of Geometry**, *University of Cagliari*

Academic Background

- 1988–1992 **Degree in Mathematics**, *University of Cagliari*
Thesis: *Minimal surfaces in R^3 and H_3*
Supervisor: Prof. Renzo Caddeo
Grade: 110/110 with honors
- 1990–1991 **Erasmus Scholarship**, *University of Erlangen, Germany*
- 1993–1997 **PhD in Pure Mathematics**, *University of Leeds, UK*
(3-year INdAM fellowship abroad)
Thesis: *Stability of harmonic maps and morphisms*
Supervisor: Prof. J.C. Wood
- 1997–1998 **Postdoctoral Fellowship**, *CNR, University of Leeds*
- 1999 **Postdoctoral Fellowship**, *University of Cagliari*
- 1999–2015 **Researcher**, *University of Cagliari*
- 2015–2016 **Associate Professor of Geometry**, *University of Cagliari*

Research Projects

- 2025 PRoBIKE, Fondazione di Sardegna (coordinator)
- 2022 ISI-HOMOS, Fondazione di Sardegna
- 2018 STAGE, Fondazione di Sardegna (coordinator)
- 2017 KASBA, Regione Sardegna
- 2016 GESTA, Fondazione di Sardegna
- 2011, 2015 PRIN: Real and complex manifolds: Geometry, topology and harmonic analysis
- 2010, 2011 University of Cagliari local Project (coordinator)
- 2007 PRIN: Differential geometry and global analysis
- 2006 CNR–CNRS Project: Biharmonic maps (Italian coordinator)
- 2005 PRIN: Geometric structures on manifolds
- 2000, 2007 Young Researchers Projects, University of Cagliari (coordinator)

Evaluation of Research Projects

Rapporteur for the *National Research Council*, Romania
Referee for the *National Science Centre*, Poland
Referee for the *Agence Nationale de la Recherche*, France

Editorial Activity

Editor (with Eric Loubeau), *Harmonic Maps and Differential Geometry*, Contemporary Mathematics 542, AMS (2011)

Reviewer for Mathematical Reviews and Zentralblatt

Referee for approximately 100 international journals. Among them: Annali della Scuola Normale Superiore di Pisa, Annali di Matematica Pura e Applicata, Bulletin of the London Mathematical Society, Calculus of Variations and Partial Differential Equations, Communications in Analysis and Geometry, Journal of the London Mathematical Society, Proceedings of the American Mathematical Society, The Journal of Geometric Analysis, Transaction of the American Mathematical Society, etc.

Academic Service at the University of Cagliari

- 2018–2024 Director of the *Department of Mathematics and Computer Science*
- 2018–2024 Member of the *Academic Senate*
- 2016–2018 Coordinator of *Mathematical Studies*
- 2012–2015 Quality Assurance coordinator of *Mathematical Studies*
- 2007–2012 Erasmus coordinator of *Mathematical Studies*
- 2013–present Member PhD board of *Dottorato in Matematica e Informatica*
- 2010–2012 Member PhD board of *Dottorato in Matematica e Calcolo Scientifico*
- 2003–2010 Member PhD board of *Dottorato in Botanica Ambientale ed Applicata*

Academic Service for the Italian Ministry of University and Research

- 2018–2021 Member of the *National Scientific Qualification* (ASN)
- 2025 Referee for the *Research Quality Evaluation* (VQR)

Member of Scientific Committees

- 2027 Differential Geometry Workshop, Lund, 15-17 June
- 2026 Differential Geometry Workshop, Rostock, 2-4 September
- 2025 Differential Geometry Workshop, Münster, 29 September - 1 October
- 2024 Differential Geometry Workshop, Brest, 4-6 September
- 2023 Differential Geometry Workshop, Iasi, 6-9 September
- 2017 International Conference on Harmonic Maps, Brest, 15-18 May

Organization of Conferences (Last years)

- 2026 Differential Geometry 2026: A Tribute to Francesco Mercuri, Cagliari, 7-10 July
- 2022 Differential Geometry Workshop, Vienna, 7-9 September
- 2021 Virtual Meeting on Differential Geometry, 14 October
- 2020 Online Workshops, Vienna,
- 2019 Variational Problems and Geometry of Submanifolds, Luminy, 27-31 May

- 2015-2016- Differential Geometry Workshop, Cagliari
- 2018
- 2016 Riemannian and Complex Geometry, Parma, 19-20 September
- 2014 New Trends in Differential Geometry, Villasimius, 18-20 September

Invited Talks (Selection - last years)

- 2026 Workshop on Geometric Analysis and Spectral Theory, a Mediterranean Gathering in Cagliari
- 2026 Global Analysis and Geometry of Semi-Riemannian Manifolds - at the 2nd Brazil-Italy Joint Meeting in Mathematics
- 2026 Differential Geometry Day, Lund
- 2025 International Conference on Applied and Pure Mathematics, Iasi
- 2024 International Conference on Differential Geometry, Fez
- 2023 Differential Geometry Days PoliTo, Torino
- 2023 Differential Geometry Day, Istanbul
- 2020 Oberseminar Differentialgeometrie, Münster
- 2019 Geometric Analysis, Submanifolds, and Geometry of PDE's, Torino

PhD Students

- 2024-present Antonio Sanna (ongoing)
- 2019 Benedetto Manca: *DPW potentials for compact symmetric CMC surfaces in the 3-sphere* - cosupervision with S. Heller
- 2015 Apoena Passos Passamani: *Geometria de curvas e subvariedades bi-harmônicas* - cosupervision with I. Onnis
- 2007 Adina Balmus: *Biharmonic maps and submanifolds* - cosupervision with C. Oniciuc
- 2005 Irene I. Onnis: *Superfícies em certos espaços homogêneos tridimensionais* - cosupervision with F. Mercuri

PhD Committees

- 2017 and External examiner, University of Iasi
- 2026
- 2016 External examiner, University of Murcia
- 2015 Opponent, Lund University
- 2011-2014 Various PhD committees, Italy and Brazil

Supervision

Supervisor of 50 undergraduate and Master theses in Mathematics

Affiliations

American Mathematical Society
Unione Matematica Italiana

Teaching

- 1997 University of Leeds: Calculus and Differential Equations
1999–2026 Regular teaching for Bachelor, Master and PhD at the University of Cagliari

Awards

- 2019 The paper *Biharmonic submanifolds of S^3* - *Internat. J. Math.* (2001), was included in the list of **The 10 Leading Papers** published by the journal in 30 years of publications
2006 Second Prize (Geometry Poster Session), ICM Madrid

Research Interests

Biharmonic Maps and Biharmonic Submanifolds, Harmonic Maps, Geometry of Submanifolds, Riemannian Geometry, Differential Geometry

Publications

- 1996-present More than 80 publications in international journals. Among them: *Advances in Mathematics*, *Annali di Matematica Pura e Applicata*, *Communications in Contemporary Mathematics*, *Communications in Analysis and Geometry*, *International Mathematics Research Notices*, *Israel Journal of Mathematics*, *Mathematische Zeitschrift*, *The Journal of Geometric Analysis*, *Pacific Journal of Mathematics*, etc.
MathSciNet <https://mathscinet.ams.org/mathscinet/author?authorId=613526>

Cagliari, May 3, 2026

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