Paolo Piccione

Short CV

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1. Education

1982–1987	**Laurea in Matematica**, *Università degli Studi di Roma "La Sapienza"*, Rome (Italy).
1988–1994	**Ph.D. in Mathematics**, *The Pennsylvania State University*, USA.
1998	**Livre Docência**, *Universidade de São Paulo*, São Paulo (Brazil).

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2. Professional

since 2003	**Professor**, *Departamento de Matemática*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
1998 – 2003	**Associate Professor**, *Departamento de Matemática*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
1996 – 1998	**Assistant Professor**, *Departamento de Matemática*, Instituto de Matemática e Estatística, Universidade de São Paulo, Brazil.
1992 – 1996	**Ricercatore di Analisi Matematica**, *Facoltà di Ingegneria*, Università dell'Aquila, Italy.

Research areas

Geometry	**Differential Geometry**, *Riemannian, psuedo-Riemannian, sub-Riemannian Geometry and Applications to General Relativity. Submanifold Theory. Morse Theory.* $\mathbf{G}$-*structures*.
Analysis	**Calculus of Variations**, *Variational Problems. PDE's and ODE's. Hamiltonian Systems. Bifurcation Theory.*

Sabbaticals and long terms visits

2002	**Scuola Normale Superiore**, *Pisa, Italy*.
2009	**Universidad de Murcia**, *Spain*.
2013–14, 2016	**Kyushu University**, *Fukuoka, Japan*, Scholar *JSPS – Japan Society for Promotion of Science*.
2015 – 2016	**University of Notre Dame**, *Indiana, USA*, Visiting Researcher.

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3. Recent publications

2017	**Deformations of Free Boundary CMC Hypersurfaces**, *J. Geom. Anal. 27 (2017), no. 4, 3254–3284*, with R. Bettiol, B. Santoro.
2016	**Delaunay-type hypersurfaces in cohomogeneity one manifolds**, *Int. Math. Res. Not. IMRN 2016, no. 10, 3124–3162*, with R. Bettiol.
2016	**Bifurcation of periodic solutions to the singular Yamabe problem on spheres**, *J. Differential Geom. 103 (2016), no. 2, 191–205*, with R. Bettiol and B. Santoro.
2016	**Functions on the sphere with critical points in pairs and orthogonal geodesic chords**, *J. Differential Equations 260 (2016), no. 11, 8261–8275*, with R. Giambò and F. Giannoni.
2015	**Multiple brake orbits in $\mathbf{m}$–dimensional disks**, *Calc. Var. Partial Differential Equations 54 (2015), no. 3, 2553–2580*, with F. Giannoni and R. Giambò.
2014	**Actions of discrete groups on stationary Lorentz manifolds**, *Ergodic heory Dynam. Systems 34 (2014), no. 5, 1640–1673*, with A. Zeghib.

Books

2001	**Notes on Morse theory**, *with D. V. Tausk and F. Mercuri*, IMPA Mathematical Publications, Rio de Janeiro, MR1849220.
2006	**The theory of connections and $\mathbf{G}$-structures. Applications to affine and isometric immersions**, *with D. V. Tausk*, XIV School of Differential Geometry]. IMPA, Rio de Janeiro, MR2384887.
2008	**A student's guide to symplectic spaces, Grassmannians and Maslov index**, *with D. V. Tausk*, IMPA Mathematical Publications, Rio de Janeiro, MR2463212.

4. Current research projects and grants

2016 – 2018   *Geometry and Dynamics between Ohio and São Paulo* (coordinator) FAPESP–0hio State University, Grant Fapesp 2015/50315-3

2017 – 2022   *Técnicas algébricas, topológicas e analíticas em Geometria Diferencial e Análise Geométrica* (coordinator) Grant Fapesp 2016/23746-6

2016–2018   *Geometric Analysis and Variational Problems in Riemannian and Kähler Geometry* (coordinator) Grant Fapesp 2015/50470-9

2017–2022   *Geometric Analysis in Riemannian and Kähler Manifolds*, CNPq Grant level 1-A

5. Academic services

2013 – 2016   Member of the Scientific Committee of *Umalca*, Unión Matemática de América Latina y del Caribe

2009 – 2015   Member of the Consultory Board of CNPq (Brazilian Ministry of Science and Technology) for two terms

2015 – 2017   Vice-President of SBM – *Brazilian Mathematical Society*

2017 – 2019   President of SBM – *Brazilian Mathematical Society*

1996 – present   Reviewer for *Mathematical Reviews*. Math Reviews Author ID: 601604

2006, 2010, 2014   Member of the Brazilian delegation at the *IMU General Assembly*, Santiago de Compostela (Espanha). Bangalore (Índia) and Gyeongju (Coréia do Sul)

1998 – present   Referee for several major Math journals. Among the most recent:
- Communications in Mathematical Physics
- Communications in Analysis and Geometry
- Journal of Geometric Analysis
- Analysis & PDE's
- Transactions of the American Mathematical Society

2012 – 2016   President of the Research Committee of the Institute of Mathematics and Statistics, Universidade de São Paulo (two terms)

2012 – 2016   Member of the Research Council of the Universidade de São Paulo

2014 – present   Member of CERT, *Comissão Especial Regimes de Trabalho*, Tenure Track Committee, Universidade de São Paulo

2017–present   Member of the Editorial Board of *Boletim da Sociedade Paranaense de Matemática*

6. Other information

Awards and Honors

since 2012   Member of the *Brazilian Academy of Sciences*

Languages

Italian   **Native**

English   **Fluent**

Portuguese   **Fluent**

Spanish   **Fluent**

Links and Web pages

Web of Science (ISI)   ResearcherID I-2243-2012: www.researcherid.com/rid/I-2243-2012

Google Scholar   https://scholar.google.com/citations?user=jQ4q5koAAAAJ

Scopus   Author ID: 7004064745: www.scopus.com/authid/detail.uri?authorId=7004064745

MathSciNet   MR Author ID 601604: http://www.ams.org/mathscinet/search/author.html?mrauthid=601604

arXiv   http://arxiv.org/find/math/1/au:+Piccione_P/0/1/0/all/0/1.