

CURRICULUM VITAE ET STUDIORUM
Leonardo Biliotti

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e-mail:	leonardo.biliotti@unipr.it	Nationality:	Italian
Place of birth::	Firenze	Date of birth::	21/11/1972

Current Position

- 10/14 - Associate Professor, MAT/03, Dipartimento di Matematica e Informatica, Università di Parma.
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Academic Informations

- 11/91 - 10/96, Laurea cum Laude in Mathematics at University of Firenze (Italy);
 - 03/97 - 04/02, Ph. D. in Mathematics at University of Campinas (Brazil);
 - 05/02 - 05/03, Postdoctoral Fellow (InDAM senior) at University of Firenze (Italy);
 - 12/04 - 08/07 Postdoctoral Fellow at University of Ancona (Italy);
 - 09/08 - 09/14, Research assistant (Ricercatore Universitario) of University of Parma.
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Partecipation in Project/Grants

- Associate investigator **Firb** 2012 "Geometria Differenziale e Teoria Geometrica delle Funzioni" Ref: **RBFR12W1AQ003** (duration 48 months);

- participant research program **Firb** 2008 "Geometria Differenziale Complessa e Dinamica Olomorfa" Ref: **RBFR08B2HY002** (duration 48 months);
 - participant research program **Prin** 2008 "Geometria delle varietà reali e complesse" Ref **2007BET4BR002** (duration 24 months);
 - participant research program **Prin** 2012 "Varietà reali e complesse: geometria, topologia e analisi armonica" Ref: **2010NNBZ78004** (duration 36 months);
 - participant research program **Prin** 2015 "Real and Complex Manifolds: Geometry, Topology and Harmonic Analysis" Ref: 2015A35N9B₀08 (duration 36 months);
 - participant research program **Prin** 2017 "Real and Complex Manifolds: Topology, Geometry and holomorphic dynamics" Ref: 2017JZ2SW5₀04 (today, duration 36 months).
 - 2004-today: Member group GNSAGA of INdAM.
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Students

- 01/11, Niccolò Pederzani (Master student);
 - 03/15–12/15, Dott. Michela Zedda (post-doctoral student);
 - 02/15 –, Dott. Alberto Raffero (post-doctoral student);
 - 09/16–05/17, Prof. Sandra Maria Zapata Yepes, Universidade Federal do ABC (UFABC), Santo Andre (SP) Brazil (post doctoral student).
 - 07/17 Luca Adorni (Graduate student);
 - 10/19–today Oluwagbenga Joshua WINDARE (PhD Student).
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Research Periods Abroad

- 07/03 - 08/03, 08/04, 04/05 - 05/05, 06/06 - 08/06, 04/07 - 06/07, 07/08 - 08/08, 29/03/10 - 24/08/10, 24/08/16 - 26/08/16, Universidade Estadual de São Paulo (USP), São Paulo (SP) Brazil;
- 01/05/09 - 11/05/09, Departamento de Geometría y Topología Facultad de Ciencias, Universidad de Granada, Granada, Spain;
- 25/11/10 - 29-11-11 Mathematisches Institut der Universität zu Köln, Köln, Germany;

- 16/05/11 - 21/05/11, 03/10/11 - 08/10/11, 27/03/12 - 03/04/12, 11/06/12 - 15/06/12, 06/05/13 - 11/05/13, 09/12/14 - 11/12/14, Ruhr-Universität Bochum, Bochum, Germany;
- 01/10/12 - 15/12/12, Max Plank institute, Bonn, Germany;
- 24/11/15 - 28/11/15, Universidad de Murcia, Murcia, Spain;
- 17/08/16 - 23/08/16, Universidade Estadual de Campinas (UNICAMP).

Conferences and Workshops

- 20-07-98 - 24-07-98, X Escola de Geometria Diferencial, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte (MG) Brazil;
- 31-07-00 - 04-08-00, First Latin American Congress, Instituto Nacional de Matemática Pura e Aplicada (IMPA), Rio de Janeiro (RJ) Brazil;
- 07-08-00 - 11-08-00, XI Escola de Geometria Diferencial, Universidade Federal Fluminense (UFF), Niteroi (RJ) Brazil;
- 22-07-01 - 27-07-01, 23^o Colóquio Brasileiro de Matemática, Instituto Nacional de Matemática Pura e aplicada (IMPA), Rio de Janeiro (RJ) Brazil;
- 15-08-01 - 17-08-01, Encontro de Geometria e Topologia, Universidade Estadual de Campinas (UNICAMP), Campinas (SP) Brazil;
- 01-09-02 - 01-08-02, Proprietà Geometriche delle Varietà Reali e Complesse, Nuovi Contributi Italiani III, Mondello - Hotel La Torre, Palermo, Italy;
- 28-07-03 - 01-08-03, 24^o Colóquio Brasileiro de Matemática, Instituto Nacional de Matemática Pura e aplicada (IMPA), Rio de Janeiro (RJ) Brazil;
- 26-07-04 - 30-07-04, XIII Escola de Geometria diferencial, Universidade Estadual de São Paulo (USP), São Paulo (SP) Brazil;
- 27-09-04 - 01-10-04, Progressi Recenti in Geometria Reale e Complessa, G.H. Bellavista, Levico-Terme (Trento), Italy;
- 30-05-05 - 03-06-05, Complex analysis and Geometry - XVII, G.H. Bellavista, Levico-Terme (Trento), Italy;
- 09-03-06 - 11-03-06, Recenti sviluppi nella geometria complessa, differenziabile e simplettica, Centro di ricerca Matematica Ennio de Giorgi, Pisa, Italy;

- 05-06-06 - 09-06-06, I congresso latino-americano de grupos de Lie em geometria, Universidade Estadual de Campinas (UNICAMP), Campinas (SP) Brazil;
- 17-07-06 - 22-07-06, XIV Escola de Geometria Diferencial em homenagem a Shiing-Shen Chern, Universidade Federal da Bahia (UFBA), Salvador (BA) Brazil;
- 22-10-06 - 26-10-06, Progressi Recenti in Geometria Reale e Complessa, G.H. Bellavista, Levico-Terme (Trento), Italy;
- 22-01-07 - 26-01-07, Local Holomorphic Dynamics, Centro di ricerca Matematica Ennio De Giorgi, Pisa, Italy;
- 28-05-08 - 30-05-08, Recent Advances in Geometry and Topology of Submanifolds, Dipartimento di Metodi e Modelli Matematici per le Scienze Applicate, Università la Sapienza, Roma, Italy;
- 14-07-09 - 18-07-08, XV Escola de Geometria, Fortaleza (CE), Brazil;
- 22-01-09 - 24-01-09, Recenti Sviluppi in Geometria Complessa e Simplettica, Centro di ricerca Matematica Ennio de Giorgi, Pisa; Recenti Sviluppi in Geometria Complessa e Simplettica, Centro di ricerca Matematica Ennio de Giorgi, Pisa, Italy;
- 02-06-09 - 05-06-09, Complex Analysis and Geometry - XIX, G.H. Bellavista, Levico-Terme (Trento), Italy;
- 24-05-10 - 28-05-10, Conference on Differential Geometry and Partial Differential Equations (65 Keti Tenenblat), Universidade de Brasilia (UNB), Brasilia (DF), Brazil;
- 12-07-10 - 16-07-10, XVI Escola de Geometria, Universidade Estadual de São Paulo (USP), São Paulo (SP) Brazil;
- 12-05-11 - 13-05-11 Geometria in Bicocca, Dipartimento di Matematica e Applicazioni dell'Università degli Studi di Milano Bicocca, Italy;
- 13-06-11 - 17-06-11 Complex Analysis and Geometry - XX G.H. Bellavista, Levico-Terme (Trento), Italy;
- 11-01-12 - 14-01-12 Lie groups: structure, actions and representations, dedicated to Joseph Wolf's 75 birthday, Bochum, Germany;
- 11-05-12 Geometria in Bicocca 2012, Dipartimento di Matematica e Applicazioni dell'Università degli Studi di Milano Bicocca, Italy;
- 28-02-13 - 03-03-13, Workshop su varietà reali e complesse: geometria, topologia e analisi armonica, Scuola Normale Superiore, Pisa, Italy;

- 20-02-14 - 22-02-14, Workshop su varietà reali e complesse: geometria, topologia e analisi armonica, Scuola Normale Superiore, Pisa, Italy;
- 18-09-14 - 20-09-14, New Trends in Differential Geometry, Villasiumius, Italy;
- 04-12-14 - 05-12-14, Lagrangian submanifolds and related topics, Dipartimento di Matematica, Università degli Studi di Milano, Italy;
- 10-12-14, Weihnachtskolloquium, Ruhr-Universität Bochum, Bochum Germany;
- 23-02-15 - 26-02-15, A workshop in memory of our colleague and friend Sergio Console, Dipartimento di Matematica "G. Peano", Torino, Italy;
- 05-03-15 - 07-03-15, Workshop su varietà reali e complesse: geometria, topologia e analisi armonica, Scuola Normale Superiore, Pisa, Italy;
- 07-09-15 - 12-09-15, XX Congresso dell'Unione Matematica Italiana, Siena, Italy;
- 14-12-15 - 18-12-15, End of Year London Geometry Conference, King's college, London, England;
- 03-02-16 - 04-02-16, Workshop "Complex Geometry and Hamiltonian actions", Dipartimento di Matematica e Informatica, Università di Parma, Italy;
- 18-02-16 - 19-02-16, Workshop "Geometria in Bicocca 2016", Dipartimento di Matematica e Applicazioni dell'Università degli Studi di Milano-Bicocca, Italy;
- 20-03-16 - 22-03-16 "Submanifolds and Lie Theory", Osaka City University, Osaka, Japan;
- 23-03-16 - 26-03-16, "The IV Workshop "Complex Geometry and Lie Groups", Nara, Japan;
- 11-07-16 - 15-07-16, "Differential Geometry in large", Firenze, Italy;
- 28-08-16 - 02-09-16, "The first Joint Meeting Brazil - Italy in Mathematics", IMPA, Rio de Janeiro, Brazil;
- 19-09-16 - 20-09-16 "Workshop on Riemannian and Complex Geometry On the occasion of the seventieth birthday of Francesco Mercuri", Centro S. Elisabetta, Parma, Italy;
- 26-01-17 - 28-01-17, "Perspectives in Geometry" A conference in memory of Paolo de Bartolomeis, Florence, Italy;
- 24-02-17 - 26-02-17, "Workshop su varietà reali e complesse: geometria, topologia e analisi armonica", Pisa SNS, Italy.

- 23-07-18 - 27-07-18, Modern Trends in Differential Geometry: ICM 2018 Satellite Conference, USP, São Paulo, Brazil;
 - 01-08-18 - 09-08-18, ICM 2018, Rio de Janeiro (RJ), Brazil;
 - 21-02-19 - 23-02-19, Workshop su varietà reali e complesse: geometria, topologia e analisi armonica, Scuola Normale Superiore, Pisa, Italy;
 - 28-07-19 - 02-08-19, 32º Colóquio Brasileiro de Matemática, Instituto Nacional de Matemática Pura e aplicada (IMPA), Rio de Janeiro (RJ), Brazil.
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Invited Talks

- 24-11-00 USP-UNICAMP's seminar, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 01-12-00 USP-UNICAMP's seminar, Universidade Estadual de Campinas (UNICAMP), Campinas (SP), Brazil;
- 15-08-03 USP-UNICAMP's seminar, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 02-10-03 Università di Pavia;
- 04-02-04 Università di Parma;
- 23-07-04 Università di Ancona;
- 06-10-04 Università di Ancona;
- 22-03-05 Seminario di Analisi Complessa, Università di Roma Tor Vergata, Roma;
- 11-04-05 Universidade Federal de São Carlos, São Carlos (UFSCAR), São Carlos (SP), Brazil;
- 15-04-05 Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 02-05-05 Universidade Estadual de Campinas (UNICAMP), Campinas (SP), Brazil;
- 10-03-06, Recenti sviluppi della geometria complessa, differenziabile e simplettica, Centro di ricerca Matematica Ennio de Giorgi, Pisa;
- 03-05-06, Università di Torino;
- 02-06-06, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;

- 23-06-06, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 26-06-06, Universidade Federal de Manuas (UFM), Manaus (AM), Brazil;
- 14-04-07, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 27-04-07, Universidade Federal do Rio Grande do Sul (UFRS), Porta Alegre (RS), Brazil;
- 02-05-07, Universidade Federal de Santa Maria (UFSM), Santa Maria (RS), Brazil;
- 25-05-07, Universidade Federal de Manuas (UFM), Manaus (AM), Brazil;
- 19-09-07, Università di Milano Bicocca;
- 20-05-08, Università Statale di Milano;
- 23-01-09, Recenti Sviluppi in Geometria Complessa e Simplettica, Centro di ricerca Matematica Ennio de Giorgi, Pisa;
- 06-05-09, Universidad de Granada, Granada, Spain;
- 08-06-10, Universidade Federal do ABC (UFABC), Santo Andre (SP), Brazil;
- 18-07-10, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 12-08-10, Universidade Federal do Ceará (UFC), Fortaleza (CE), Brazil;
- 26-11-10, Mathematisches Institut der Universität zu Köln, Köln, Germany;
- 17-05-11, Ruhr-Universität Bochum, Bochum, Germany;
- 03-05-12, Università di Firenze;
- 04-05-12, Università di Roma Tor Vergata;
- 03-03-13, Workshop su varietà reali e complesse: geometria, topologia e analisi armonica, Scuola Normale Superiore, Pisa;
- 04-12-14, Lagrangian submanifolds and related topics, Dipartimento di Matematica, Università degli Studi di Milano;
- 08-09-15, XX Congresso dell'Unione Matematica Italiana, Siena;
- 26-11-15, Universidad de Murcia, Murcia, Spain;
- 19-02-16, "Geometria in Bicocca 2016", Università di Milano Bicocca;
- 22-03-16, "Submanifolds and Lie Theory", Osaka City University, Osaka, Japan;

- 18-22-23-09-16, Minicourse "Convexity properties of the momentum map", Universidade estadual de Campinas (UNICAMP), Campinas (SP), Brazil;
- 26-09-16, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 26-11-15, Universidad de Murcia, Murcia, Spain;
- 24-02-17, Università di Firenze;
- 26-02-17, "Workshop su varietà reali e complesse: geometria, topologia e analisi armonica", Scuola Normale Superiore, Pisa;
- 20-07-18, Modern Trends in Differential Geometry: preliminary talks, USP, São Paulo, Brazil;
- 16-08-19, Universidade Estadual de São Paulo (USP), São Paulo (SP), Brazil;
- 23-02-19 Workshop su varietà reali e complesse: geometria, topologia e analisi armonica, Scuola Normale Superiore, Pisa;
- 02-08-19, 32^o Colóquio Brasileiro de Matemática, Instituto Nacional de Matemática Pura e aplicada (IMPA), Rio de Janeiro (RJ), Brazil;
- 09-08-19, Workshop on Submanifold Theory and Geometric Analysis, UFSCar, São Carlos (SP) Brazil;
- 04-09-19 - 06-09-19, XXI Congresso dell'Unione Matematica Italiana, Pavia;
- 25-10-19, Università di Firenze;
- 24-11-20, Ruhr-Universität Bochum, (on-line seminar).

Organizational Experiences

- Co-organizer of the meeting "Incontro tra i partecipanti del progetto FIRB" Firenze 23-25 ottobre 2013;
- Co-organizer of the workshop "Complex Geometry and Hamiltonian actions", Parma 03-04 febbraio 2016;
- Co-organizer of the workshop "Workshop on Riemannian and Complex Geometry On the occasion of the seventieth birthday of Francesco Mercuri", Parma 19-20 settembre 2016.

Memberships

- Unione Matematica italiana, since 2015;
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Teaching Experiences

- 14-09-00 - 28-01-01, Calculus II, Teaching assistant, UNICAMP, Campinas (SP) Brasile;
- a. a. 2004-2005 Geometria, Teaching assistant, Università di Ancona;
- a. a. 2005-2006 Geometria, Teaching assistant, Università di Ancona;
- a. a. 2006-2007 Geometria, Teaching assistant, Università di Ancona;
- a. a. 2006-2007, PhD's course in collaboration with Prof. Anna Fino, Università di Torino;
- a. a. 2007-2008, Geometria A, (6FU) Università di Parma;
- a. a. 2008-2009, Geometria A, (6CFU), Università di Parma;
- a. a. 2008-2009, Geometria simplettica e complessa (6CFU), in collaboration with Prof. Adriano Tommasini, Università di Parma;
- a. a. 2008-2009, Curve e superfici per l'architettura (6CFU), Università di Parma;
- a. a. 2009-2010, Geometria (9CFU), Università di Parma;
- a. a. 2009-2010, Geometria Differenziale (6CFU), Università di Parma;
- a. a. 2011-2012, Geometria (9CFU), Università di Parma;
- a. a. 2012-2013, Geometria (9CFU), Università di Parma;
- a. a. 2012-2013, Geometria Riemanniana (6CFU), Università di Parma;
- a. a. 2013-2014, Geometria (9CFU), Università di Parma;
- a. a. 2013-2014, Geometria Differenziale (6CFU), Università di Parma;
- a. a. 2014-2015, Geometria (9CFU), Università di Parma;
- a. a. 2014-2015, Campi Finiti (Algebra superiore) (6CFU), Università di Parma;

- a. a. 2015-2016, Geometria 1 (6CFU), Università di Parma;
- a. a. 2015-2016, Geometria (9CFU), Università di Parma;
- a. a. 2015-2016, Geometria Riemanniana (6CFU), Università di Parma;
- a. a. 2016-2017, Geometria 1 (6CFU) Università di Parma;
- a. a. 2016-2017, Geometria (9CFU), Università di Parma;
- a. a. 2016-2017, Geometria Riemanniana (6CFU), Università di Parma;
- a. a. 2017-2018, Geometria 1 (6CFU) Università di Parma;
- a. a. 2017-2018, Geometria (9CFU), Università di Parma;
- a. a. 2017-2018, Geometria Differenziale (6CFU), Università di Parma;
- a. a. 2018-2019, Geometria 1 (6CFU) Università di Parma;
- a. a. 2018-2019, Geometria (9CFU), Università di Parma;
- a. a. 2018-2019, Geometria Differenziale (6CFU), Università di Parma;
- a. a. 2019-2020, Geometria 1 (6CFU) Università di Parma;
- a. a. 2019-2020, Geometria (9CFU), Università di Parma;
- a. a. 2019-2020, Geometria Differtenziael (6CFU), Università di Parma;
- a. a. 2019-2020, Lie group actions on Manifolds (6CFU), PhD's course.

Awards and other Activities

- 2013, Abilitazione Scientifica Nazionale for Professore Associato in Geometria e Algebra, 01/A2 - II Fascia;
- 2017, Abilitazione Scientifica Nazionale for Professore Ordinario in Geometria e Algebra, 01/A2 - I Fascia.
- reviewer for American Mathematical Society;
- Referee for several academic journals;
- referee for Two Phd's thesis.

- member of master's commission, University of São Paulo, 10/07/2010;
 - member of PhD's commission, University of Parma, 15/02/2018;
 - member of PhD's commission, University of Florence, 18/02/2019;
 - member of four selection boards for a post-doctoral position.
 - member of PhD's commission, University of Campinas (Brazil), 30/10/2020;
 - member of one selection board for a RTD B (tenure track position).
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Publications

1. Biliotti, L., *On the automorphism group of a second order structure*, Rend. Sem. Mat. Univ. Padova **104** (2000) 63-70;
2. Biliotti, L., Mercuri, F., Tausk, D., *A note on tensor fields in Hilbert spaces*, An. Acad. Brasil. Ciênc. **74** (2) (2002) 207-210;
3. Biliotti, L., *Properly discontinuous isometric actions on the unit sphere of infinite dimensional Hilbert spaces*, Ann. Global Anal. Geom. **26** (2004) 385-395;
4. Biliotti, L., *Exponential map of a weak Riemannian Hilbert manifold*, Illinois J. Math **48** (4) (2004), 1191-1206;
5. Biliotti, L., Gori, A., *Coisotropic and Polar actions on complex Grassmannians*, Trans. Am. Math. Soc. **357** (2005) 1731-1751;
6. Biliotti, L., *Coisotropic and polar actions on compact irreducible Hermitian symmetric spaces*, Trans. Am. Math. Soc. **358** (2006), 3003-3022;
7. Biliotti, L., *Some results on infinite dimensional Riemannian geometry*, Acta Sci. Math. **72** (2006) 387-405;
8. Biliotti, L., Exel, R., Piccione, P., Tausk, D., *On the singularities of the exponential map in infinite dimensional Riemannian manifolds*, Math. Ann. **336** (2) (2006) 247-267;
9. Biliotti, L., Gorodski, C., *Polar actions on a compact rank one symmetric spaces are taut*, Math. Z. **255** (2) (2007) 335-342;
10. Biliotti, L., *A note on moment map on symplectic manifolds*, Bull. Belg. Math. Soc. Simon Stevin **16** (2009), 107-116;

11. Biliotti, L., *Hamiltonian actions and Lagrangian homogeneous submanifolds*, Tohoku Math. J. **59** (2007), 603-616;
12. Biliotti, L., Mercuri, F., Piccione, P., *On a Gromoll-Meyer type theorem in globally hyperbolic stationary spacetime*, Comm. Anal. Geom. **16** (2008), 333-393;
13. Biliotti, L., Ghigi, A., *Homogeneous bundles and the first eigenvalue of symmetric spaces*, Ann. Inst. Fourier (Grenoble) **58** (2008), 2315-2331;
14. Biliotti, L., Javaloyes, M. A., Piccione, P., *Genericity of nondegenerate critical points and Morse geodesic functionals*, Indiana Univ. Math. J. **58** (2009) 1797- 1831;
15. Alexandrino M., Biliotti L., Pedrosa R., *Lectures on isometric actions, Lectures on isometric actions*. XV Escola de Geometria Diferencial. [XV School of Differential Geometry] Instituto de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, 2008. vi+224 pp;
16. Biliotti, L., Javaloyes, M. A., *t-periodic light rays in conformally stationary spacetime via Finsler geometry* Houston J. Math. **37** (2011), no. **1**, 127–146;
17. Biliotti, L., Javaloyes, M. A., Piccione, P., *on the Semi-Riemannian bumpy metric theorem*, J. Lond. Math. Soc. **84** (2011), no. **1**, 1–18;
18. Biliotti, L., Ghigi, A., *Satake-Furstenberg compactifications, the moment map and λ_1* , Amer. J. Math. **135** (1) (2013), 237–274;
19. Biliotti L., Ghigi A., Heinzner P., *Polar orbitopes*, Comm. Anal. Geom. **21** (3) (2013), 579–606.
20. Biliotti, L., Mercuri, F., *Properly discontinuous actions on Hilbert manifolds*, Bull. Braz. Math. Soc., New Series **45** (3) (2014), 433–452;
21. Biliotti, L., Ghigi, A., Heinzner, P., *A remark on the gradient map*, Doc. Math. **19** (2014), 1017–1023;
22. Biliotti, L., Ghigi, A., Heinzner, P., *Coadjoint orbitopes*, Osaka J. Math. **51** (4) (2014), 935–968;
23. Biliotti L., Ghigi A., Heinzner P., *Invariant convex set in polar representations* Israel J. Math. **213**, 423–441, (2016).
24. Biliotti L., Ghigi A., *Stability of measures on Kähler manifold*, Adv. Math. **307** (2017), 1108–1150 .
25. Biliotti L., Mercuri F., *Riemannian Hilbert manifolds*, Hermitian-Grassmannian submanifolds, Springer Proc. Math. Stat., **203**, Springer, Singapore, (2017), 261–271.

26. Biliotti L., Zedda, M. *Stability with respect to actions of real reductive Lie groups*, Ann. Mat. Pura Appl. **196** (6) (2017), 2185–2211.
27. Biliotti L., Raffero, A., *Convexity theorems for the gradient map on probability measures*, Complex Manifolds, **5** (1), (2018) 133–145.
28. Biliotti L., Ghigi, A., *Remarks on the abelian convexity theorem*, Proceedings of the American Mathematical Society, **146** (12), (2018), 5409–5419;
29. Biliotti L., *Convexity properties of gradient maps associated to real reductive representations*, J. Geom. Phys. **151** (2020), 1–15 ;
30. Biliotti L., *The Kempf-Ness Theorem and invariant theory for real reductive representations*, to appear on São Paulo Journal of Mathematical Sciences, Special Section: An Homage to Manoel de Almeida Neto, (https://doi.org/10.1007/s40863-019-00151-6);
31. Biliotti L., Ghigi, A., *Meromorphic limits of automorphisms*, to appear on Transformation groups, https://doi.org/10.1007/s00031-020-09551-x (arXiv:1901.10724);
32. Biliotti, L., Siciliano, G., *a group theoretic proof of a compactness lemma and existence of nonradial solutions for semilinear elliptic equations*, to appear on Ann. Mat. Pura Appl., https://doi.org/10.1007/s10231-020-01016-y (arXiv:2002.01333).