CURRICULUM VITAE

Gabriela Paola Ovando

Departamento de Matemática - ECEN
Facultad de Ciencias Exactas Ingeniería y Agrimensura (FCEIA)
Universidad Nacional de Rosario (U.N.R.)
Pellegrini 250, 2000 Rosario, Santa Fe, Argentina.
email: gabriela@fceia.unr.edu.ar

Education

Graduate studies	Fa.M.A.F.[1]-U.N.C.[2]	02/90 - 02/95
Postgraduate	Fa.M.A.F.-U.N.C. (stay at C.A.U. Kiel) [3]	04/95-03/2002

Degrees

Licenciatura en Matemática	(Graduate Degree) U.N.C.	February 1995
PhD in Math.	U.N.C.	March 2002

Academic Employments

PRESENT:

Associate Professor (PA[4]),	FCEIA-U.N.R.	08/06 -
Adjunct Researcher	CONICET - National Council of Science Research and Technology[5]	2012 -

PREVIOUS:

Teaching assistant (A[6]),	Fa.M.A.F.-U.N.C.	02/97 - 01/98
Teaching assistant (A),	Facultad de Ciencias, Químicas-U.N.C.	04/98 - 09/98
Teaching assistant (A),	Fa.M.A.F.-U.N.C.	09/98 - 06/04
Teaching assistant (JTP[7]),	Fa.M.A.F.-U.N.C.	06/04 - 02/06
Assistant Professor (PA [8]),	FCEIA -U.N.R.	03/05 - 08/05
Assistant Professor (PA[9]),	FCEIA-U.N.R.	06 - 14
Assistent Researcher	CONICET - National Council of Science Research and Technology[10]	2007 - 12

1 Facultad de Matemática Astronomía y Física
2 Universidad Nacional de Córdoba-Argentina
3 Christian-Albrechts-Universität zu Kiel-Germany
4 Auxiliar
5 Jefe de Trabajos prácticos
6 7 Profesor adjunto
8 Consejo Nacional de Investigaciones Científicas y Técnológicas-Argentina

Research Interest: Locally homogeneuos spaces with geometric structures and applications.

Undergraduate students:

- V. del Barco, B. Sc. (Math.), FCEIA, March 2007, Dissertation: *Isometries of Lie groups with bi-invariant metrics in dimension four.*
- F. Vittone, B. Sc. (Math.), FCEIA, March 2007, Dissertation: *On the geometry of Lie groups with bi-invariant metrics, with applications to solvable Lie groups of dimension four.*
- I. Cardoso, B. Sc. (Math.), FCEIA, March 2008, Dissertation: *Complex structures on* $\mathfrak{sl}(3, \mathbb{R})$.
- M. Subils, B. Sc. (Math.), FCEIA, Oct. 2009: *Examples of compact solvmanifolds in dimension four.*
- Sofia Leegstra, B. Sc. (Math.), FCEIA, in development.

Coadvisor for Fellowships

- Viviana del Barco, Conicet 2007-2010, 2010-2012;
- Francisco Vittone, Conicet 2007-2010, 2010-2012;
- Isolda Cardoso, Conicet 2008-2011.
- Mauro Subils, Conicet 2015-17. Posdoc fellowship.

Advisor

- Jorge Flamini, FCEIA - UNR, Master-Thesis, in development.
- Viviana del Barco, Conicet 2012-14; Posdoc fellowship.
- Silvio Reggiani, Conicet 2013-15. Posdoc fellowship.
- Justin Ryan, Conicet 2015-17. Posdoc fellowship.

Member of Boards and Committees

- Academic Committe of the Workshop of Differential Geometry Rosario 2012, Universidad Nacional de Rosario, Rosario, 1 - 3rd August, 2012. Satellite Conference to IV CLAM, Cordoba 2012. Argentina.
- Academic Committe of Seminar Higher Symmetries in Physics, Universidad Complutense de Madrid, Madrid, 6th - 8th November, 2008.
- Local Organizing Committe of the II Workshop in Differential Geometry, june 2005, La Falda, Córdoba, Argentine.
- Thesis board: - Ph. Math, Universidad Nacional de Cordoba. Argentina. : (1) Yamile Godoy, August 2012,

(2) Romina Arroyo, March 2013;

(3) Edwin Valencia Rodriguez, September 2013.

- Master in Applied Math. D. Emmanuele, Nov. 2008, Universidad Nacional de Rosario. Argentina.

- Selection Committee to appoint an assistant professor and teaching assistants, ECEN-FCEIA, Univ. Nacional de Rosario, for: Algebra (July 2006, March 2007, July 2007, July 2008, Juni 2014), Topology and Geometry (July 2006, July 2007).
- Selection Committee to appoint an assistant professor, Fa.M.A.F., Univ. Nacional de Córdoba, for Differential Geometry, March 2014.
- Selection Committee to appoint an assistant professor, FCSFQyN, Univ. Nacional de Río Cuarto, for Differential Geometry, May 2015.

Research projects (last five years):

Director:

• "Structure and geometry of homogeneous spaces", PICT-2013 - 0826, ANPCyT, FON-CyT Res. 214/14 (2014-2016).

• "Geometric structures on differentiable manifolds", ING419, SCyT, U.N.R., 2013-2016.

• "Lie theory and applications", ING420, SCyT, U.N.R., 2013-2016.

• "Geometric structures on manifolds"(ING264), Scyt- U.N.R., (2009-12). ING419 (2013-2016)

• "Representation theory of Lie groups and applications"(ING267), Scyt- U.N.R., (2009-12), ING420 (2013-2016).

Co-director:

• "Homogeneous spaces with special structures", Scyt- U.N.R., 2007-08.

Research Visits and Stays :

• ICTP, Trieste, Italy, Aug. 2000.

• Mathematisches Seminar der Christian-Albrechts Universität zu Kiel:

Apr.2000-March 2002, Lecture: Invariant complex Structures on solvable real Lie groups .

Apr. 2003-June 2003. Lecture: Bi-invariante 2-Schritt nilpotente Lie Gruppen. August 2005 (Einladung DAAD).

• Universidad Complutense de Madrid, Spain:

Feb. 2008, Course: Symplectic Geometry (see www.mat.ucm.es/IMI_eventos _cur.htm).

March 2008. Lecture "Small Oscillations and the algebra of Weyl Heisenberg, Dpth. Theor. Phys.

March 2009. Lecture "Complex structures on Lie algebras I II, Dpth. of Geometry and Topology.

Nov. 2009. Lecture "Naturally reductive pseudo Riemannian metabelian Lie groups", Dpth. of Geometry and Topology.

Feb. 2015. Lecture "Isometric actions of solvable Lie groups on pseudo-Riemannian manifolds", Dpth. of Geometry and Topology.

• Seminaire Mulhousien de Mathematique, Mulhouse-Francia, march 2008. Lecture : "Complex structures on Lie algebras" (see www.math.uha.fr/semi68.html).

• Seminar of Differential Geometry, Dept. of Math. University of California at Riverside, Riverside-USA, nov. 2008. Lecture: "Invariant complex structures on Lie groups"(see

http://mathdept.ucr.edu/calendar/monthly/08nov2.html).

• Mathematisches Institut der Albert Ludwigs Universität Freiburg, Germany,

jan. 2009. Lecture "On some applications of bi-invariant metrics on solvmanifolds".

jun. 2009. Lecture "Invariante komplexe Strukturen".

jun. 2009. Lecture "Invariant complex structures and related geometry".

jan. 2010. Lecture "Naturally reductive pseudo-Riemannian nilpotent Lie groups".

jan. 2015. Lecture "On first integrals of the geodesic flow on the Heisenberg Lie groups".

• Dipartimento di Matematica, Universita di Torino. Lecture: Naturally reductive pseudo-Riemannian spaces, jul 2011.

• Dipartimento di Matematica, Universita del Salento. Lecture: "On the extension problem at the Lie algebra level". Feb. 2015, Lecce, Italia.