

## CV - Jana Rodriguez Hertz

### Professional Preparation

- Universidad Nacional de Rosario (Argentina), BSc., 1994
- Universidad de la República (Uruguay), PhD, 1999

### Appointments

- 2014-2019: Simons Associate of the International Center of Theoretical Physics (Trieste, Italy)
- 2011-: Full Professor, IMERL, Universidad de la República (Uruguay)
- 2009-: Member of the National System of Researchers (SNI), Level 2 (of 3)
- 2008-2011: Associate Professor, IMERL, Universidad de la República (Uruguay)
- 2000-2008: Assistant Professor, IMERL, Universidad de República (Uruguay)
- 1999: Assistant Professor, School of Economics, Universidad de la República (Uruguay)
- 1994-2000: Teaching Assistant, IMERL, Universidad de la República (Uruguay)
- 1994-1995: Teaching Assistant, CMAT, Universidad de la República (Uruguay)
- 1992-1994: Teaching Assistant, Universidad Nacional de Rosario (Argentina)
- 1991-1994: Professor, Instituto Politécnico Superior - Universidad Nacional de Rosario (Argentina)

### Five selected publications

- (1) (with F. Rodriguez Hertz and R. Ures) A non-dynamically coherent example on  $T^3$ , *to appear in Annales de l'Institut Henri Poincaré. Analyse Non Linéaire*, 2015
- (2) Genericity of non-uniform hyperbolicity in dimension 3, *Journal of Modern Dynamics*, **6**, 1 (2012) 121-138.
- (3) (with F. Rodriguez Hertz, A. Tahzibi and R. Ures), Uniqueness of SRB measures for transitive diffeomorphisms of surfaces, *Comm. Math. Phys.*, **306**, 1, (2011) 35-49.
- (4) (with F. Rodriguez Hertz, A. Tahzibi and R. Ures), New criteria for ergodicity and non-uniform hyperbolicity, *Duke Math. Journal*, **160**, 3, (2011) 599-629.
- (5) (with F. Rodriguez Hertz and R. Ures), Accessibility and stable ergodicity for partially hyperbolic diffeomorphisms with 1D-center bundle, *Inventiones Math.*, **172**, 2 (2008) 187-208.

### Organization of Scientific Conferences

- Member of the Organizing Committee of the Ergodic Theory Workshop, Univ of North Carolina at Chapel Hill, 2014, and 2016-2019
- Local organizer and Member of the Scientific Committee of the FoCM Conference, Montevideo, December 2014
- Scientific Committee of the 3rd Uruguayan Colloquium of Mathematics, Montevideo, 2011
- Scientific Committee of the Workshop on Dynamical Systems, Bahia, Brazil, 2011.
- School and Workshop on Dynamics with a special Session on Complexity, Montevideo, may 2008.

### Five selected teaching activities

- (1) Minicourse on Partially hyperbolic Dynamics - ICTP, Trieste, July 2014
- (2) Minicourse on Dynamical Systems, Peking University, Beijing, China, August 2012
- (3) Course on Dynamical Systems, UBA, Buenos Aires, April 2012
- (4) Mini-course at Global Dynamics beyond Uniform Hyperbolicity, Luminy, France, 2011
- (5) School of Engineering: I have taught most of the undergraduate courses, being responsible for courses of up to 1,600 students, and have been in charge of working teams of 18 persons (professors and teaching assistants) during over 20 years. I have produced filmed classes of Linear Algebra 1 and 2, and Vector Calculus. I have also elaborated slides for these courses.

### Referee of international journals

- Transactions of the AMS
- Proceedings of the AMS
- Journal of Modern Dynamics
- Mathematical Research Letters
- Ergodic Theory and Dynamical Systems
- Journal of the London Mathematical Society
- Discrete and Continuous Dynamical Systems
- Revista de la Unión Matemática Argentina

### Evaluator for

- The Chilean government research funding agency ,2009, 2012, 2013 and 2015
- Prize “For Women in Science”-Uruguay, L’Oreal-Unesco, 2011.
- Prize “Thesis of the Year”, IMPA, Brazil, 2008

### Students supervised

- Gabriel Nuñez, PhD. Studies, 2014-
- Gabriel Nuñez, MSc Studies, 2010-2013
- Elisa Grin, MSc Studies, 2008-2010
- Sebastien Alvarez, École Normale Supérieure-Lyon, Stage de recherche, 2008
- Alejandro Kocsard (UNR-IMPA) semester stage at IMERL, Uruguay, 2002

### Invited talks

- (1) Invited talk at ICERM, Brown University, USA, February 2016.
- (2) Invited talk at Penn State University, USA, January 2016
- (3) Invited talk at Midwest Conference, Ohio State University, USA, November 2015
- (4) Invited talk at Penn State University, USA, October 2015
- (5) Invited talk at School and Conference on Dynamical Systems, ICTP, Trieste, July 2015
- (6) Minicourse on Partially hyperbolic dynamics, ICTP, Trieste, Jly 2014
- (7) Invited talk at Ergodic theory Workshop, University of North Carolina at Chapel Hill, april 2013
- (8) Invited talk at Beyond Uniform Hyperbolicity, IPAN Bedlewo, Poland, June 2013
- (9) Balzan Symposium, Institut Henri Poincaré, Paris, June 2013
- (10) Invited talk at Shanghai Jiao Tong University, Shanghai, July 2012
- (11) Minicourse at Peking University, July 2012
- (12) From Dynamics to Complexity: A conference celebrating the work of Mike Shub, Fields Institute, Toronto, May 2012
- (13) Dynamical Systems Seminar, organized by A. Katok, Penn State University, February 2012
- (14) Mini-course at Mathematics Colloquium, IMPA, Rio de Janeiro, July 2011
- (15) EDAI Seminar, Rio de Janeiro, July 2011
- (16) Mini-course at Intl. Workshop on Global Dynamics beyond Uniform Hyperbolicity, Luminy, 2011
- (17) Mini-course at Conference on Dynamical Systems, UFRJ, Rio de Janeiro, January 2011
- (18) Mini-course at School on Dynamical Systems, Alfateh University, Tripoli, 2010
- (19) Mini-course at Rencontre DynNonHyp, Dijon, 2010
- (20) International Conference on Dynamical Systems (70th anniversary of Jacob Palis)
- (21) Dynamical Systems Seminar, Université de Orsay, Paris XIII, 2009
- (22) International Workshop on Global Dynamics beyond Uniform Hyperbolicity, University of Peking, 2009
- (23) Dynamical Systems Seminar, Courant Institute, Organized by Lai-Sang Young, 2009
- (24) Dynamical Systems Seminar, Brigham Young University, 2009

- (25) Dynamical Systems Seminar, Penn State University, 2009
- (26) Dynamical Systems Seminar, University of Maryland, 2009
- (27) Dynamical Systems Seminar, IME, USP-Sao Paulo, Brasil 2008
- (28) Mini-course on Quasi-Anosov diffeomorphisms, ICMC, USP-Sao Carlos, Brasil, 2008
- (29) Dynamical Systems Seminar, Northwestern University, 2008
- (30) Dynamical Systems Seminar, Brigham Young University, USA, 2008
- (31) Jornada Internacional de Sistemas Dinámicos, UCN, Antofagasta, Chile, 2007
- (32) International Symposium on Dynamical Systems, IMPA, Salvador, Bahia, 2007
- (33) International Workshop on Dynamical Systems, IMPA, Angra dos Reis, 2005
- (34) Dynamical Systems Seminar, University of Toronto 2004
- (35) Seminar, Universidad Nacional de Rosario 2002
- (36) School and Workshop on Dynamical Systems, Trieste 2001
- (37) Dynamical Systems Seminar, Universidade de Porto 2001
- (38) Dynamical Systems Seminar, Université de la Bourgogne, Dijon 2000
- (39) ELAM (Latin American School of Mathematics), IMCA, Lima 1999
- (40) Escuela de Sistemas dinámicos, IAM, Buenos Aires 1999
- (41) Congreso Internacional de Sistemas Dinámicos, UNAM, Cuernavaca 1997
- (42) 20º Coloquio Brasileiro de Matemática, IMPA, Rio de Janeiro 1995

## Media

- I broadcast a weekly radio column “Jana and her sisters” interviewing women in our society, especially women in academia, on Radio El Espectador
- I broadcast another radio column “Cuentos matemáticos”, on Radio Sarandi, on divulgation of Mathematics
- I am op-ed on the electronic journal Montevideo Portal, usually writing about topics involving Education issues
- I have been previously been part of a weekly program commenting on national and international politics on one of the leading radio programs in this subject.
- I have had several appearances on TV and in print, covering the topics of Science and Education.

## Education

### Selected topics

- Invited speaker at UNICEF encounter on Policies in Education, Montevideo, Uruguay, May 2015
- Member of the Observatory in Virtual Education, at the Ministry of Education and Culture of Uruguay, 2015-
- Education in Uruguay, National Television Uruguay TNU, December 2015
- Science Teaching at the Primary School, Interview, Canal 10, TV, September 2015
- Citizens of Knowledge: Scientific Education for all - UNESCO, Asuntos Públicos, TV, March 2014
- Education at Stake, Interview, VTV, TV, August, 2013.