

UNIVERSITÀ DEGLI STUDI DI MILANO

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[Anna Florio] CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	FLORIO
NOME	ANNA
DATA DI NASCITA	10/05/1992

Nata a Este (Padua, Italy) il 10/05/1992

Indirizzi mail: anna.florio@imj-prg.fr e anna.florio@hotmail.itSite web: <https://annaflorimath.wordpress.com>

Indirizzo professionale: Institut de Mathématiques de Jussieu-Paris Rive Gauche
Sorbonne Université, Campus Pierre et Marie Curie, 4, place Jussieu, 75252 Paris
(France)

Employment

November 2019-October 2021 Post-doc of Fondation de Sciences Mathématiques de Paris, IMJ-PRG and CEREMADE, Paris.

Advisors: *Jean-Pierre Marco* and *Jacques Féjoz*

Education

2016-2019 Ph.D. in Mathematics, Avignon Université, Avignon. Thesis Title: *Asymptotic Maslov Indices.*

Advisor: *Marie-Claude Arnaud*, Co-advisor: *Andrea Venturelli*

2014-2016 Master degree in Mathematics, Università degli Studi di Padova, Padua, Final mark – 110/110 cum laude.

Thesis Title: *Chain recurrent sets and Lyapunov functions: from Topological Dynamics to Weak KAM Theory.*

Advisor: *Prof. Olga Bernardi*

2011-2014 **Bachelor degree in Mathematics**, *Università degli Studi di Padova*, Padua, Final mark – 110/110 cum laude.

Thesis Title: *Lorenz dynamics-exact reduction systems and applications.*

Advisor: *Prof. Franco Cardin*

2011 **Science High School Diploma**, *Liceo Scientifico “Jacopo da Montagnana”*, Montagnana (PD).

Final mark – 100/100 cum laude

Publications

Torsion of instability zones for conservative twist maps on the annulus, *Anna Florio, Patrice Le Calvez*, Preprint, (2020).

On the set of points of zero torsion for negative-torsion maps of the annulus, *Anna Florio*, Preprint, (2020).

The generalized recurrent set, explosions and Lyapunov functions, *Olga Bernardi, Anna Florio, Jim Wiseman*, To appear in *Journal of Dynamics and Differential Equations*, (2019).

Torsion and Linking number for surface diffeomorphisms, *Anna Florio*, *Mathematische Zeitschrift*, Vol. 292, n.1-2, p. 231–265, (2019).

Existence of Lipschitz continuous Lyapunov function strict outside the strong chain recurrent set, *Olga Bernardi, Anna Florio*, *Dynamical Systems: an International Journal*, Vol. 34, n.1, p. 71–92, (2019).

A Conley-type decomposition of the strong chain recurrent set, *Olga Bernardi, Anna Florio*, *Ergodic Theory and Dynamical Systems*, Vol. 39, n.5, p. 1261–1274, (2019).

Teaching

Vacataire (36h), *Sorbonne Université*, Paris, TD of Basic Mathematics (First year).

Monitrice, *Université d'Avignon et des Pays de Vaucluse*, Avignon, Basic Mathematics (First year, Earth Science), Algebra (First year, Informatics and Physics) and Differential Equations (Third year, Mathematics).

Tutorship in Linear Algebra and Probability, *Università degli Studi di Padova*, Padua.

Invited talks

December 2020 Colloque international en l'honneur de Jean-Pierre Marco, *Paris (France)*.

??? 2020 Séminaire de Géométrie, Topologie et Dynamique, *Orsay, Paris (France)*.

March 2020 Séminaire Dynamique et Probabilités, *LAMFA, Amiens (France)*.

February 2020 Séminaire Géométrie et Topologie, *IMJ-PRG, Paris (France)*.

January 2020 Séminaire Symplectix, *IHP, Paris (France)*.

November 2020 Paroles aux jeunes chercheur-es en Géométrie et Dynamique, *Nancy (France)*, as invited speaker.

October 2019 Post Graduate Seminar Geometry and Analysis, *Aachen (Germany)*.

September 2019 On the Trail of Women in Mathematics, *Krakow (Poland)*, as invited speaker.

June 2019 Interactions of Symplectic Topology and Dynamics, *Cortona (Italy)*, as invited speaker.

April 2019 Oberseminar Dynamical Systems, *Ruhr-Universität, Bochum (Germany)*

March 2019 Conference “Real and Complex Dynamics of Hénon’s Maps, *Yokohama (Japan)*, as invited speaker.

February 2019 Séminaire Géométries, *ICJ, Lyon (France)*.

February 2019 **Séminaire Géométrie et applications**, IRMA, Strasbourg (France).

September 2018 **Séminaire Dynamique et Probabilités**, LAMFA, Amiens (France).

April 2018 **Séminaire de Géométrie, Groupes et Dynamiques**, UMPA, ENS Lyon (France).

March 2018 **Séminaire de Géométrie Hamiltonienne**, IMJ-PRG, Paris (France).

November 2017 **Department of Mathematics “Tullio Levi-Civita”**, University of Padua (Italy).

November 2017 **Forum des Jeunes Mathématicien-ne-s**, IECL, Nancy (France).

November 2017 **Séminaire de Systèmes dynamiques, Analyse et Géométrie**, LMA, Avignon (France).

October 2017 **1/2 journée doctorants LMA-BioSP**, INRA, Avignon (France).

Scientific activities and Experiences

Program Associate at MSRI (Berkeley, USA), in the program *Hamiltonian Systems, from topology to applications through analysis*.

Member of Council of “Laboratoire de Mathématiques d’Avignon”.

Organization of the Math stand at “Fête de la Science”.

Member of GDR CNRS Platon Géométrie, dynamique, probabilités.

Participant at Progetto Giovani 2017, GNFM, with Prof. Olga Bernardi.

Member of Société Mathématique de France.

Member of GNFM.

Attended conferences and schools

May 2019 **C^0 aspects of symplectic geometry and Hamiltonian dynamics**, Tel Aviv, Israel.

December 2018 **Workshop on Surface Dynamics on the occasion of Patrice Le Calvez's 60th anniversary**, *Montevideo, Uruguay.*

August 2018 **Introductory Workshop: Hamiltonian Systems, from topology to applications through analysis**, *MSRI Berkeley, USA.*

August 2018 **Connections for Women: Hamiltonian Systems, from topology to applications through analysis**, *MSRI Berkeley, USA.*

April 2018 **Surfaces in Bedlewo**, *Bedlewo, Poland.*

February 2018 **Recent advances in Hamiltonian dynamics and symplectic topology**, *University of Padua, Italy, organizing committee member.*

November 2017 **Forum des Jeunes Mathématicien-ne-s**, *IECL Nancy, France.*

October 2017 **Conference on Hamiltonian Systems**, *Ascona, Switzerland, organized by the ETH Institute for Theoretical Studies.*

June 2017 **15th School on Interactions between Dynamical Systems, Geometry and Partial Differential Equations**, *CRM Barcelona, Spain.*

March 2017 **Doctoral Course, Weak KAM and Aubry-Mather Theory**, Professor Alfonso Sorrentino and Professor Olga Bernardi.

February 2017 **Winter School in Conservative Dynamics**, *Engelberg, Switzerland, organized by the ETH Institute for Theoretical Studies.*

January 2017 **Beyond Hamilton-Jacobi, Last call to Bordeaux**, *University of Bordeaux, Institut de Mathématiques.*

October 2016 **Surfaces in Luminy**, *Centre International de Rencontres Mathématiques, Marseille.*

June 2016 **Eleventh meeting on Nonlinear Hyperbolic PDEs and Applications**, *SISSA, Trieste.*

March 2016 **Analysis and Control on Networks: trends and perspectives**,
Padua.

January 2016 **KukulKAM School in Conservative Dynamics**, *Merida (Mexico)*.

November 2015 **Doctoral Course**, *Applications of Canonical Perturbation Theory
in Dynamical Astronomy*, Professor Christos Efthymiopoulos.

2011 **Scuola Normale Superiore di Pisa Summer Camp**, *Camigliatello Silano
(CS)*.

Computer skills

java, Adobe Illustrator

C++, L^AT_EX, Microsoft Windows, MacOS, Matlab, Mathematica

Languages

Italian: Mother tongue

English: Fluent

French: Fluent

Brazilian portuguese: Basic

Data

09/07/2020

Luogo

Parigi

