

Jaime Bustillo

Symplectic Geometry

École Normale Supérieure
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Education

- 2015–2018 **École Normale Supérieure, Paris, France,**
(expected) PhD in Mathematics.
Thesis title: Symplectic rigidity and Hamiltonian PDEs.
Supervisor: Claude Viterbo.
- 2013–2015 **Université Pierre et Marie Curie, Paris, France,**
MSc in Mathematics.
-**Masters thesis:**
Title: On the cotangent bundle, Hamiltonian isotopies, and generating functions.
Supervisor: Claude Viterbo (École Normale Supérieure de Paris).
- 2009–2013 **Universidad Autonoma de Madrid, Madrid, Spain,**
Bachelor in Mathematics.
-**Undergraduate thesis:**
Title: Obtaining group presentations from group actions.
Supervisor: Wolfgang Pitsch (Universitat Autònoma de Barcelona).
-**Exchange programs:**
2012–2013 at *Universitat Autònoma de Barcelona*, Spain.
2011–2012 at *Université Pierre et Marie Curie*, Paris, France.

Publications

- 2017 **A coisotropic camel theorem in symplectic topology and its effect on the Sine-Gordon equation**, *ArXiv:1705.06601*, Submitted.

Talks

- Dec. 2017 **Middle dimensional symplectic rigidity and its effect on Hamiltonian PDEs**, *Symplectix seminar*, Institut Henri Poincaré, Paris, France.
- Nov. 2017 **Middle dimensional symplectic rigidity and its effect on Hamiltonian PDEs**, *Seminar on Geometry and Applications*, Institut de Recherche Mathématique Avancée, Strasbourg, France.
- Sep. 2017 **Symplectic rigidity and Hamiltonian PDEs**, *Journée de rentrée du groupe Algèbre Géométrie ENS*, École Normale Supérieure, Paris, France.
- May 2017 **Symplectic topology in infinite dimension**, *Geometry seminar*, Université Paris-Sud, Paris, France.

Conferences

- Nov. 2017 **Symplectic Geometry in Lyon**, École Normale Supérieure, Lyon, France.
July 2017 **Fluids, dispersion and blow up**, Institut Henri Poincaré, Paris, France.
Sep. 2016 **Hamiltonian Dynamics, PDEs and Waves on the Amalfi coast**, Maiori, Italy.
June 2016 **Symplectic topology, sheaves and mirror symmetry**, Université Pierre et Marie Curie, Paris, France.
Jan. 2016 C^0 **symplectic geometry and Hamiltonian dynamics**, Institut Henri Poincaré, Paris, France.
Sep. 2015 **Méthodes elliptiques et espaces de modules**, CIRM, Marseille, France.
July 2015 **Moduli Problems in Symplectic Geometry**, IHES, Bures-sur-Yvette, France.
Oct. 2014 **Théorie des représentations de groupes et Algèbres de Lie**, Université de Reims Champagne-Ardenne, Reims, France.
July 2012 **Vème Edition de l'École JAE de Mathématiques**, ICMAT, Madrid, Spain.

Teaching

- Spring 2018 **Exercise sessions for Ordinary Differential Equations**, 2nd year undergraduate, Université Pierre et Marie Curie, Paris, France.
Spring 2017 **Exercise sessions for Ordinary Differential Equations**, 2nd year undergraduate, Université Pierre et Marie Curie, Paris, France.
Fall 2017 **Exercise sessions for Topology**, 3rd year undergraduate, Université Pierre et Marie Curie, Paris, France.
Spring 2016 **Exercise sessions for Ordinary Differential Equations**, 2nd year undergraduate, Université Pierre et Marie Curie, Paris, France.
Fall 2015 **Exercise sessions for Calculus**, 1st year undergraduate, Université Pierre et Marie Curie, Paris, France.

Languages

Spanish	native	
English	proficient	<i>Certificate of Proficiency in English, University of Cambridge, C2.</i> <i>Business English Certificate Higher, University of Cambridge, C1.</i>
French	fluent	
Catalan	advanced	