CURRICULUM VITAE

MARCO MAZZUCCHELLI

Contact Details

Mailing address: Marco Mazzucchelli
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Personal Data

Date of birth: May 24, 1981

Place of birth: Legnano (Italy)

Citizenship: Italian

Spoken languages: Italian (native speaker), English, French and Spanish (fluent)

Employment

From Oct. 2012: **École normale supérieure de Lyon** (France)
CNRS researcher

Sep. 2011 – June 2012: **Pennsylvania State University** (University Park, Pennsylvania)
S. Chowla Research Assistant Professor

Sep. 2010 – Aug. 2011: **École normale supérieure de Lyon** (France)
Postdoc

Sep. 2009 – Aug. 2010: **Max Planck Institute for Mathematics in the Sciences** (Leipzig, Germany)
Postdoc

Education and degrees

2021: **École normale supérieure de Lyon** (France)
Habilitation à diriger des recherches
Thesis: Periodic orbits in symplectic dynamics
Referees: Albert Fathi, Alexandru Oancea, Pedro Salomão
Defense committee: Marie-Claude Arnaud, Patrick Bernard, Jean-Claude Sikorav
Defense date: June 10, 2021

2006 – 2009: **Università di Pisa** (Italy)
Ph.D. in Mathematics
Advisor: Alberto Abbondandolo
Thesis: Periodic orbits of Tonelli Lagrangian systems
Defense date: July 29, 2009

Date: October 14, 2021.

2003 – 2005: **Politecnico di Milano** (Italy)
Master degree in Computer Engineering (score 110/110 cum laude)
Advisor: Alessandra Cherubini
Thesis: Application of automata theory to the word problem in inverse semigroups *(in italian)*

2000 – 2003: **Politecnico di Milano** (Italy)
Bachelor degree in Computer Engineering (score 110/110 cum laude)

Awards

- *Prime d'encadrement doctoral et de recherche* from CNRS, 2019-2022.
- *Prime d'excellence scientifique* from CNRS, 2013-2017.

Publications and Preprints

Preprints:

- (with Gonzalo Contreras) **Existence of Birkhoff sections for Kupka-Smale geodesic flows of closed surfaces**
- (with Gonzalo Contreras) **Proof of the C^2-stability conjecture for geodesic flows of closed surfaces**
- (with Alberto Abbondandolo and Christian Lange) **Higher systolic inequalities for 3-dimensional contact manifolds**
- (with Marco Radeschi) **On the structure of Besse convex contact spheres**
- (with Guido De Philippis, Michele Marini, and Stefan Suhr) **Closed geodesics on reversible Finsler 2-spheres**
- (with C. Guillarmou and L. Tzou) **Asymptotically Euclidean metrics without conjugate points are flat**

Papers:

- (with Alberto Abbondandolo) **The monotonicity of the systole of convex Riemannian two-spheres**, appendix of the paper *Relative Hofer–Zehnder capacity and positive symplectic homology* by Gabriele Benedetti and Jungsoo Kang
to appear in Journal of Fixed Point Theory and Applications (Claude Viterbo's 60th birthday volume)
- (with Stefan Suhr) **A min-max characterization of Zoll Riemannian metrics**
to appear in Mathematical Proceedings of the Cambridge Philosophical Society
- (with Viktor L. Ginzburg and Başak Z. Gürel) **On the spectral characterization of Besse and Zoll Reeb flows**
Annales de l'Institut Henri Poincaré C, Analyse Non Linéaire **38** (2021), no. 3, 549–576
- (with C. Guillarmou and L. Tzou) **Boundary and lens rigidity for non-convex manifolds**
American Journal of Mathematics **143** (2021), no. 2, 533-575.
- (with Daniel Cristofaro-Gardiner) **The action spectrum characterizes closed contact 3-manifolds all of whose Reeb orbits are closed**
Commentarii Mathematici Helvetici **95** (2020), no. 3, 461-481.
- (with Luca Asselle) **Waist theorems for Tonelli systems in higher dimensions**
Manuscripta Mathematica **163** (2020), no. 1-2, 185-199
- (with L. Asselle and G. Benedetti) **Minimal boundaries in Tonelli Lagrangian systems**
to appear in International Mathematics Research Notices

- (with Luca Asselle) **On Tonelli periodic orbits with low energy on surfaces**
  Transactions of the American Mathematical Society **371** (2019), no. 5, 3001-3048

- (with Stefan Suhr) **A characterization of Zoll Riemannian metrics on the 2-sphere**
  Bulletin of the London Mathematical Society **50** (2018), 997-1006

- (with Luca Asselle) **Closed geodesics with local homology in maximal degree on non-compact manifolds**
  Differential Geometry and its Applications **58** (2018), 17–51

- (with Colin Guillarmou) **Marked boundary rigidity for surfaces**
  Ergodic Theory and Dynamical Systems **38** (2018), no. 4, 1459–1478

- (with Leonardo Macarini) **Isometry-invariant geodesics and the fundamental group, II**
  Advances in Mathematics **308** (2017), 671–698

- (with A. Abbondandolo, L. Asselle, G. Benedetti, and I. A. Taimanov) **The multiplicity problem for periodic orbits of magnetic flows on the 2-sphere**
  Advanced Nonlinear Studies **17** (2017), no. 1, 17–30

- (with Luca Asselle) **On the existence of infinitely many closed geodesics on non-compact manifolds**
  Proceedings of the American Mathematical Society **145** (2017), no. 6, 2689–2697

- (with A. Abbondandolo, L. Macarini, and G. P. Paternain) **Infinitely many periodic orbits of exact magnetic flows on surfaces for almost every subcritical energy level**
  Journal of the European Mathematical Society **19** (2017), 551–579

- **The Morse index of Chaperon's generating families**
  Publicaciones Matemáticas del Uruguay **16** (2016), 81–125

- (with A. Sorrentino) **Remarks on the symplectic invariance of Aubry-Mather sets**
  Comptes Rendus Académie des Sciences Paris - Séries I **354** (2016), no. 4, 419–423

- **Isometry-invariant geodesics and the fundamental group**
  Mathematische Annalen **362** (2015), no. 1–2, 265–280

- **On the multiplicity of isometry-invariant geodesics on product manifolds**
  Algebraic & Geometric Topology **14** (2014), 135–156

- **Symplectically degenerate maxima via generating functions**
  Mathematische Zeitschrift **275** (2013), no. 3–4, 715–739

- **On the multiplicity of non-iterated periodic billiard trajectories**
  Pacific Journal of Mathematics **252** (2011), no. 1, 181–205

- (with Peter Albers) **Periodic bounce orbits of prescribed energy**
  International Mathematics Research Notices **2011**, no. 14, 3289-3314

- **The Lagrangian Conley Conjecture**
  Commentarii Mathematici Helvetici **86** (2011), no. 1, 189–246

- (with Alessandra Cherubini) **On the Decidability of the Word Problem for Amalgamated Free Products of Inverse Semigroups**
  Semigroup Forum **76** (2008), no. 2, 309–329

Books:

- **Critical Point Theory for Lagrangian Systems**
  Progress in Mathematics, vol. **293** (2011), Birkhäuser

Students

Ph.D. students:
- **Simon Allais** (ENS de Lyon, from September 2018)

Master students:
- **Simon Allais** (Master 2, ENS de Lyon, April–July 2018)
  Thesis: "A contact camel theorem"
- **Benoît Joly** (Master 2, ENS de Lyon, April–July 2016)
  Thesis: "On fixed and periodic points of Hamiltonian diffeomorphisms"

Scientific Activity

Member of the projects:

2021-2025: ANR CoSyDy: **Conformally Symplectic Dynamics beyond symplectic dynamics**
https://perso.ens-lyon.fr/marco.mazzucchelli/projects/CoSyDy/

2021-2022: CNRS International Emerging Action: **Periodic orbits in Symplectic Dynamics**

2014-2018: ANR COSPIN: **Contact spectral invariants**
http://www.math.u-psud.fr/~leclercq/ANR/

2013-2017: ANR WKBHJ: **Weak KAM beyond Hamilton-Jacobi**
http://perso.ens-lyon.fr/marco.mazzucchelli/KAM-Faible/

Member of the Research Committee of the Labex Milyon *(from September 2016)*
http://milyon.universite-lyon.fr/

Organizer of the conferences:
- **Weak KAM theory - XXV+1 years later**
  Avignon Université, France
  May 30 - June 3, 2022
  http://perso.ens-lyon.fr/marco.mazzucchelli/events/2022/Weak_KAM_XXV/
- **Two days in Symplectic Dynamics**
  Ruhr-Universität Bochum, Germany
  November 26-27, 2021
  http://perso.ens-lyon.fr/marco.mazzucchelli/events/2021/Two_days/
- **Interactions of Symplectic Topology and Dynamics**
  Il Palazzone (Scuola Normale Superiore di Pisa), Cortona, Italy
  June 17-21, 2019
  https://sites.google.com/view/cortona2019/
- **Meeting ENS de Lyon – SISSA**
  École Normale Supérieure de Lyon, France
  December 5-6, 2017
  http://perso.ens-lyon.fr/marco.mazzucchelli/events/2017/ENSL-SISSA/
- **Symplectic Geometry in Lyon – A conference in honor of Jean-Claude Sikorav**
  École Normale Supérieure de Lyon and Université Claude Bernard – Lyon 1, France
  November 2-4, 2017
  http://sikorav60.math.cnrs.fr

Organizer of the Geometry, Groups, and Dynamics Seminar at the ENS de Lyon *(2013 - 2018)*

Member of the Ph.D. thesis committees of:

- **Corentin Fierobe** (École normale supérieure de Lyon)
  Advisor: Alexey Glutsyuk
  Thesis: "Billiards projectifs et complexes, orbites périodiques et systèmes Pfaffiens"
  Defense date: May 25, 2021

- **Jingzhi Yan** (Université Pierre et Marie Curie)
  Advisor: Patrice Le Calvez
  Thesis: "Utilisation de feuilletages transverse à l'étude d'homéomorphismes préservant l'aire de surfaces"
  Defense date: December 2, 2014

Referee for:

- Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg (Springer)
- Advances in Mathematics (Elsevier)
- American Journal of Mathematics (Johns Hopkins University Press)
- Annali della Scuola Normale Superiore di Pisa – Classe di Scienze
- Annals of Mathematics (Princeton University and the Institute for Advanced Study)
- Commentarii Mathematici Helvetici (EMS)
- Communications on Pure and Applied Mathematics (Wiley)
- Discrete and Continuous Dynamical System – Series A (AIMS)
- Duke Mathematical Journal (Duke University Press)
- Geometriae Dedicata (Springer)
- Geometric and Functional Analysis (Springer)
- Geometry & Topology (MSP)
- International Journal of Mathematics (World Scientific)
- International Mathematics Research Notices (Oxford Journals)
- Journal de l'École polytechnique – Mathématiques (CEDRAM)
- Journal of Differential Geometry (International Press)
- Journal of Fixed Point Theory and Applications (Birkhäuser)
- Journal of Functional Analysis (Elsevier)
- Journal of Geometric Analysis (Springer)
- Journal of Symplectic Geometry (International Press)
- Journal of the American Mathematical Society (AMS)
- Journal of the European Mathematical Society (EMS)
- Journal of the London Mathematical Society (LMS)
- Journal of Topology and Analysis (World Scientific)
- Mathematische Zeitschrift (Springer)
- Proceedings of the Edinburgh Mathematical Society (Cambridge University Press)

Reviewer for MathSciNet (American Mathematical Society)

Teaching Activity

2020/2021: **Teaching at École Normale Supérieure de Lyon:**
Algebraic topology
Differential geometry

Teaching at Università degli Studi di Padova:
Introduction to Floer homology

2019/2020: **Teaching at École Normale Supérieure de Lyon:**
Besse and Zoll manifolds
Differential geometry

2018/2019: **Teaching at Universitat Politècnica de Catalunya:**
Contact manifolds all of whose Reeb orbits are closed

2017/2018: **Teaching at École Normale Supérieure de Lyon:**
Differential geometry
Rigidity phenomena in Riemannian geometry

2016/2017: **Teaching at École Normale Supérieure de Lyon:**
Smooth manifolds
Differential calculus 2

2015/2016: **Teaching at École Normale Supérieure de Lyon:**
Smooth manifolds
Generating functions in symplectic and contact topology

2014/2015: **Teaching at École Normale Supérieure de Lyon:**
Smooth manifolds

2013/2014: **Teaching at École Normale Supérieure de Lyon:**
Variational methods for the study of periodic orbits

2011/2012: **Teaching at Pennsylvania State University:**
Math 220: Matrices

2008/2009: **Teaching assistant at Università di Pisa:**
Calculus and Statistics (Prof. Marco Abate)

2007/2008: **Course coordinator at Stanford University:**
Math 51: Linear Algebra and Multivariable Calculus

Grading for graduate classes at Stanford University:
Math 210A: Algebra (Prof. James Milgram)
Math 217A: Differential Geometry (Prof. Richard Schoen)
Math 227: Partial Differential Equations and Diffusion Processes (Prof. James Nolen)

Visiting Periods

Sep. – Dec. 2021 **Ruhr-Universität Bochum** (Germany)
Research in pairs with Stefan Suhr.

Sep. – Nov. 2019 **Ruhr-Universität Bochum** (Germany)
Research in pairs with Stefan Suhr.

Feb. – Apr. 2019 **University of Sydney** (Australia)
Research in pairs with Colin Guillarmou and Leo Tzou.

Aug. – Dec. 2018 **Mathematical Sciences Research Institute** (Berkeley, California)
Research member in the scientific program "Hamiltonian systems, from topology to applications through analysis".

Apr. 2016: **National Research University Higher School of Economics** (Moscow, Russia)
Visiting Alexey Glutsyuk.

Feb. 2015: **Instituto Nacional de Matemática Pura e Aplicada** (Rio de Janeiro, Brazil)
Visiting Leonardo Macarini.

Dec. 2010: **Purdue University** (West Lafayette, Indiana)
Visiting Peter Albers.

Apr. 2010: **Institute for Advanced Study** (Princeton, New Jersey)
Visiting Peter Albers.

Feb. 2010: **Centro de Investigación en Matemáticas** (Guanajuato, Mexico)
Visiting Gonzalo Contreras.

May – June 2009: **Max Planck Institute for Mathematics in the Sciences** (Leipzig, Germany)
Visiting researcher, supported by Vigoni Grant.

Dec. 2008: **Universität Leipzig** (Germany)
Visiting researcher in the symplectic topology group directed by Matthias Schwarz.

Sep. 2007 – June 2008: **Stanford University** (California)
Visiting researcher in the symplectic topology group directed by Yakov Eliashberg.

Invited Talks

Oct. 7, 2021: **Conference "Differential Geometry, Billiards, and Geometric Optics"**
Centre International de Rencontres Mathématiques (Luminy, France)

May 28, 2021: **Séminaire "Symplectix"**
Institut Henri Poincaré (Paris, France)

Feb. 11, 2020: **Séminaire d'Analyse et Géométrie**
Institut de Mathématiques de Jussieu (Paris, France)

Feb. 4, 2020: **Séminaire de Systèmes dynamiques, Analyse et Géométrie**
Avignon Université (France)

Dec. 17, 2019: **Conference "Inverse Days 2019"**
University of Jyväskylä (Finland)

Nov. 29, 2019: **Séminaire de Géométrie Hamiltonienne**
Institut de Mathématiques de Jussieu (Paris, France)

Nov. 28, 2019: **Séminaire Géométrie et Topologie**
Institut de Mathématiques de Jussieu (Paris, France)

Nov. 22, 2019: **Seminar on symplectic and contact geometry BHKM**
Ruhr-Universität Bochum (Germany)

Nov. 4, 2019: **Berlin-Hamburg symplectic geometry seminar**
Humboldt Universität, Berlin (Germany)

Sep. 13, 2019: **Séminaire Commun d'Analyse Géométrique**
Centre International de Rencontres Mathématiques, Marseille (France)

Aug. 7, 2019: **Workshop on Conservative Dynamics and Symplectic Geometry**
IMPA, Rio de Janeiro (Brazil)

June 7, 2019: **Workshop "Multiple Perspectives on Geometric Inequalities"**
Centre de Recerca Matemàtica, Barcelona (Spain)

May 23–30, 2019: **Minicourse "Contact manifolds all of whose Reeb orbits are closed"**
Universitat Politècnica de Catalunya, Barcelona (Spain)

May 12, 2019: **Workshop "C^0 aspects of symplectic geometry and Hamiltonian dynamics"**
Technion, Haifa (Israel)

Apr. 4, 2019: **Pure Mathematics Seminar**
University of Melbourne (Australia)

Mar. 19, 2019: **Geometry & Topology Seminar**
The University of Sydney (Australia)

Jan. 12, 2019: **Seminar Sophus Lie**
Justus-Liebig-Universität Gießen (Germany)

Dec. 6, 2018: **Felix Klein Seminar**
University of Notre Dame (Indiana)

Nov. 15, 2018: **Geometry & Analysis Seminar**
University of California Santa Cruz (California)

Oct. 22, 2018: **Symplectic Geometry Seminar**
Stanford University (California)

Aug. 24, 2018: **Introductory Workshop: Hamiltonian systems, from topology to applications through analysis**
Mathematical Sciences Research Institute (Berkeley, California)

June 4, 2018: **Deuxième congrès de la Société Mathématique de France**
Université de Lille (France)

May 22, 2018: **New Methods in Finsler Geometry**
Scuola Normale Superiore di Pisa (Italy)

May 8, 2018: **Analysis Seminar**
Scuola Internazionale Superiore di Studi Avanzati (Trieste, Italy)

Mar. 13, 2018: **Séminaire PADyque**
Université de Picardie Jules Verne (Amiens, France)

Feb. 19, 2018: **Tokyo-Lyon Conference in Mathematics**
The University of Tokyo (Japan)

Nov. 28, 2017: **Geometry Seminar**
Ruprecht-Karls-Universität Heidelberg (Germany)

Nov. 21, 2017: **Oberseminar dynamical systems**
Ruhr-Universität Bochum (Germany)

Oct. 6, 2017: **Journées de dynamique**
Université Paris Diderot (France)

Aug. 7, 2017: **Workshop on Conservative Dynamics and Symplectic Geometry**
IMPA (Rio de Janeiro, Brazil)

July 18, 2017: **Hamiltonian and Reeb Dynamics: New Methods and Applications**
Lorentz Center (Leiden, Netherlands)

Mar. 28, 2017: **Conference "100 Years of the Radon Transform"**
RICAM (Linz, Austria)

Jan. 5, 2017: **Séminaire de théorie spectrale et géométrie**
Institut Fourier (Grenoble, France)

July 27, 2016: **Workshop on Hamilton-Jacobi Equations**
Fudan University (Shanghai, China)

June 16, 2016: **Conference "Symplectic Techniques in Dynamical Systems"**
Instituto de Ciencias Matemáticas (Madrid, Spain)

Apr. 25, 2016: **Seminar**
Sobolev Institute of Mathematics (Novosibirsk, Russia)

Apr. 23, 2016: **Seminar on Spectral Geometry**
Independent University of Moscow and Laboratoire J.-V. Poncelet (Russia)

Apr. 22, 2016: **Laboratory of algebraic geometry: weekly seminar**
National Research University Higher School of Economics (Moscow, Russia)

Apr. 11–22, 2016: **Minicourse "Closed geodesics in Riemannian and Finsler manifolds"**
National Research University Higher School of Economics (Moscow, Russia)

Apr. 11, 2016: **Dynamical Systems Seminar**
Steklov Institute of Mathematics (Moscow, Russia)

Feb. 18, 2016: **Conference "Geometria in Bicocca 2016"**
Università di Milano Bicocca (Italy)

Nov. 18, 2015: **Dynamic Analysis Seminar**
VU University Amsterdam (Netherlands)

Nov. 17, 2015: **Seminar Geometry and Analysis**
Utrecht University (Netherlands)

Nov. 3, 2015: **Oberseminar dynamical systems**
Ruhr-Universität Bochum (Germany)

Oct. 5, 2015: **Séminaire Géométrie et applications**
Institut de Recherche Mathématique Avancée (Strasbourg, France)

Aug. 4, 2015: **Workshop on Conservative Dynamics and Symplectic Geometry**
IMPA (Rio de Janeiro, Brazil)

June 25, 2015: **INDAM Meeting "The Hamilton-Jacobi Equation"**
Il Palazzone, Scuola Normale Superiore (Cortona, Italy)

Mar. 11, 2015: **CIMPA Research School "Hamiltonian and Langrangian Dynamics"**
Salto (Uruguay)

Feb. 11, 2015: **Mathematical Physics Seminar**
IMPA (Rio de Janeiro, Brazil)

Dec. 9, 2014: **Colloquium**
Université de Neuchâtel (Switzerland)

Dec. 5, 2014: **Séminaire "Symplectix"**
Institut Henri Poincaré (Paris, France)

Oct. 27, 2014: **Symplectic Geometry Seminar**
ETH Zürich (Switzerland)

May 13, 2014: **Geometry and Dynamics Seminar**
École Polytechnique Fédérale de Lausanne (Switzerland)

Jan. 20, 2014: **C^0-symplectic topology and dynamical systems**
IBS Center for Geometry and Physics (Pohang, South Korea)

Oct. 30, 2013: **Symplectic Geometry Seminar**
Universität Münster (Germany)

Sep. 4, 2013: **Workshop on Conservative Dynamics and Symplectic Geometry**
IMPA (Rio de Janeiro, Brazil)

Feb. 26, 2013: **Séminaire de Systèmes dynamiques et Géométrie**
Université d'Avignon et des Pays de Vaucluse (France)

Feb. 15, 2013: **Séminaire Gaston Darboux**
Université Montpellier 2 (France)

Feb. 4–6, 2013: **Workshop "Dynamique riemannienne et dynamique de contact : regards croisés sur les orbites périodiques"**
Laboratoire de Mathématiques Jean Leray, Nantes (France)

Jan. 11, 2013: **Workshop on Symplectic Geometry, Contact Geometry and Interactions**
Les Diablerets (Switzerland)

Sep. 10, 2012: **Séminaire d'Algèbre, Dynamique et Topologie**
Aix-Marseille Université (France)

Sep. 3, 2012: **Conference "Periodic Orbits in Contact and Riemannian Geometry"**
Touquet Paris-Plage (France)

May 29, 2012: **Séminaire de dynamique et géométrie**
Université de Neuchâtel (Switzerland)

Apr. 30, 2012: **Séminaire Géométrie symplectique et applications**
Institut de Recherche Mathématique Avancée (Strasbourg, France)

Apr. 24, 2012: **Séminaire Dynamique et Géométrie**
Laboratoire J.A. Dieudonné (Nice, France)

Apr. 19, 2012: **Séminaire Géométries et Systèmes Dynamiques**
Institut de Mathématiques de Bourgogne, Dijon (France)

Apr. 13, 2012: **Séminaire de Géométrie hamiltonienne**
Institut de Mathématiques de Jussieu (Paris, France)

Apr. 12, 2012: **Séminaire de l'équipe Topologie Dynamique**
Université Paris-Sud 11 (Orsay, France)

Apr. 10, 2012: **Séminaire de Géométrie**
Institut de Mathématiques de Toulouse (France)

Feb. 29, 2012: **Symplectic Dynamics Seminar**
Institute for Advanced Study (Princeton, New Jersey)

Nov. 14, 2011: **Center for Dynamics and Geometry Seminar**
Penn State University (University Park, Pennsylvania)

Sep. 16, 2011: **Topology/Geometry Seminar**
Penn State University (Altoona, Pennsylvania)

June 24, 2011: **Summer school on Closed orbits and variational methods**
Université de Neuchâtel (Switzerland)

May 13, 2011: **Séminaire Géométries**
Institut Camille Jordan (Lyon, France)

Mar. 10, 2011: **Séminaire de Topologie, Géométrie et Algèbre**
Laboratoire de Mathématiques Jean Leray (Nantes, France)

Feb. 24, 2011: **Séminaire KAM Faible**
École Normale Supérieure de Lyon (France)

Jan. 21, 2011: **Séminaire Gaston Darboux**
Université Montpellier 2 (France)

Dec. 7, 2010: **Department of Mathematics Colloquium**
Purdue University (West Lafayette, Indiana)

Dec. 2, 2010: **Symplectic Geometry Seminar**
Purdue University (West Lafayette, Indiana)

Oct. 10, 2010: **Rencontre KAM faible**
Calvi (France)

Oct. 7, 2010: **Séminaire KAM faible**
Université d'Avignon (France)

June 9, 2010: **Conference "Symplectic Geometry with Algebraic Techniques"**
Instituto Superior Técnico (Lisbon, Portugal)

Apr. 20, 2010: **Geometry - Dynamical Systems Seminar**
Institute for Advanced Study (Princeton, New Jersey)

Feb. 11, 2010: **Seminario de Sistemas Dinamicos**
CIMAT (Guanajuato, Mexico)

Oct. 28, 2009: **Dynamic Analysis Seminar**
VU University (Amsterdam, Netherlands)

June 23, 2009: **SFB Colloquium**
Berlin (Germany)

June 22, 2009: **Lecture Event**
Humboldt Universität (Berlin, Germany)

May 25, 2009: **Symplectic geometry seminar**
Max Planck Institute for Mathematics in the Sciences (Leipzig, Germany)

May 18, 2009: **Bruxelles-Köln seminar on symplectic and contact geometry**
Université Libre de Bruxelles (Belgium)

Nov. 13, 2008: **Seminario del Departamento de Geometría**
Universidad Complutense (Madrid, Spain)

Oct. 21, 2008: **Progressi Recenti in Geometria Reale e Complessa**
Levico (Italy)

Mar. 10, 2008: **Symplectic Geometry Seminar**
Stanford University (California)

Aug. 3, 2007: **Scuola Matematica Interuniversitaria**
Il Palazzone, Scuola Normale Superiore (Cortona, Italy)