

## CURRICULUM VITAE

MARCO MAZZUCHELLI

### Employment

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- 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

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- 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
- 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

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

## Publications and Preprints

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### Preprints:

- (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

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##### 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

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##### Member of the projects:

- ANR WKBHJ (Weak KAM beyond Hamilton-Jacobi)  
<http://perso.ens-lyon.fr/marco.mazzucchelli/KAM-Faible/>
- ANR COSPIN (Contact spectral invariants)  
<http://www.math.u-psud.fr/~leclercq/ANR/>

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

**Organizer of the conferences:**

- **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/ENSL-SISSA/>
- **Symplectic Geometry in Lyon – A conference in honor of Jean-Claude Sikorav**  
Ecole 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

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- 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

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*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

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- 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. Poincaré (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 Lagrangian 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)