

CURRICULUM VITAE

MARCO MAZZUCCHELLI

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1. Contact details

Mailing address: Marco Mazzucchelli
UMPA, ENS de Lyon
46 allée d'Italie, 69364 Lyon, France

Email: marco.mazzucchelli@cnrs.fr

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2. Personal data

Date of birth: May 24, 1981

Citizenship: Italian

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

3. Employment

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

Sep. 2011 – Aug. 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

Date: May 16, 2025.

4. Education and degrees

2021: **École normale supérieure de Lyon** (France)
Habilitation à diriger des recherches
Thesis: Periodic orbits in symplectic dynamics
Defense committee: Marie-Claude Arnaud, Patrick Bernard, Albert Fathi, Alexandru Oancea, Pedro Salomão, 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 con lode)
Advisor: Alessandra Cherubini
Thesis: Application of automata theory to the word problem in inverse semigroups

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

5. Awards

- *Prime individuelle* from CNRS, 2024-2026.
- *Prime d'encadrement doctoral et de recherche* from CNRS, 2019-2022.
- *Prime d'excellence scientifique* from CNRS, 2013-2017.

6. Publications

Preprints:

- (with Colin Guillarmou) **An introduction to geometric inverse problems**
monograph, https://perso.ens-lyon.fr/marco.mazzucchelli/preprints/inverse_problems.html
- (with Tommaso Barbieri, Massimiliano Berti, and Alberto Maspero) **Bifurcation of gravity-capillary Stokes waves with constant vorticity**
- (with Gonzalo Contreras) **Closed geodesics and the first Betti number**
- (with Erman Çineli, Viktor L. Ginzburg, and Başak Z. Gürel) **Invariant sets and hyperbolic closed Reeb orbits**
- (with Mikko Salo and Leo Tzou) **A general support theorem for analytic double fibration transforms**

Papers:

- (with Marcelo Alves) **From curve shortening to flat link stability and Birkhoff sections of geodesic flows**
to appear in Journal de l'École polytechnique – Mathématiques
- (with Erman Çineli, Viktor L. Ginzburg, and Başak Z. Gürel) **On the barcode entropy of Reeb flows**
to appear on Selecta Mathematica
- (with Gonzalo Contreras, Gerhard Knieper, and Benjamin Schulz) **Surfaces of section for geodesic flows of closed surfaces**
Ergodic Theory and Dynamical Systems **45** (2025), no. 6, 1698–1733

- (with Philippe Bolle and Andrea Venturelli) **On potentials whose level sets are orbits**
Calculus of Variations and Partial Differential Equations **63** (2024), no. 7, Paper No. 187
- (with Luca Baracco, Olga Bernardi, and Christian Lange) **On the local maximizers of higher capacities ratios**
to appear in Annali della Scuola Normale Superiore di Pisa, Classe di Scienze
- (with Viktor L. Ginzburg and Başak Z. Gürel) **Barcode entropy of geodesic flows**
to appear in Journal of the European Mathematical Society
- (with Gonzalo Contreras) **Proof of the C^2 -stability conjecture for geodesic flows of closed surfaces**
Duke Mathematical Journal **173** (2024), no. 2, 347–390
- (with Marco Radeschi) **On the structure of Besse convex contact spheres**
Transactions of the American Mathematical Society **376** (2023), no. 3, 2125–2153
- (with Gonzalo Contreras) **Existence of Birkhoff sections for Kupka-Smale Reeb flows of closed contact 3-manifolds**
Geometric And Functional Analysis **32** (2022), no. 5, 951–979
- (with Colin Guillarmou and Leo Tzou) **Asymptotically Euclidean metrics without conjugate points are flat**
The Journal of Geometric Analysis **33** (2023), no. 2, paper no. 37
- (with Alberto Abbondandolo and Christian Lange) **Higher systolic inequalities for 3-dimensional contact manifolds**
Journal de l'École polytechnique – Mathématiques **9** (2022), 807–851
- (with Guido De Philippis, Michele Marini, and Stefan Suhr) **Closed geodesics on reversible Finsler 2-spheres**
Journal of Fixed Point Theory and Applications **24** (2022), no. 2, paper no. 19 (Claude Viterbo's 60th birthday Festschrift)
- (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
Journal of Fixed Point Theory and Applications **24** (2022), no. 2, paper no. 44 (Claude Viterbo's 60th birthday Festschrift)
- (with Stefan Suhr) **A min-max characterization of Zoll Riemannian metrics**
Mathematical Proceedings of the Cambridge Philosophical Society **172** (2022), no. 3, 591–615
- (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 L. Asselle and G. Benedetti) **Minimal boundaries in Tonelli Lagrangian systems**
International Mathematics Research Notices **2021**, no. 20, 15746–15787
- (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 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

7. Students

Ph.D. students:

- **Simon Allais** (ENS de Lyon, September 2018, June 2021)
Thesis: “On topological and dynamical conditions imposing infinitely many periodic orbits

in Hamiltonian dynamics”

Defense date: June 24, 2021

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”

8. Postdocs

- **Cédric Oms** (ENS de Lyon, September 2021 – November 2022)
- **Abror Pirnapasov** (ENS de Lyon, September 2022 – August 2023)

9. Scientific activity

Coordinator of the projects:

2025-2026: CNRS International Emerging Action: **Inverse problems for minimal submanifolds**

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**

Member of the projects:

2021-2025: ANR CoSy: **New challenges in symplectic and contact topology**

<https://cosy.pages.math.cnrs.fr/en/index.html>

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/>

Organizer of the conferences:

- **Conformal Dynamics and Geometry in Bordeaux**
Université de Bordeaux, France
August 25-29, 2025
<https://www.math.u-bordeaux.fr/~pthieull/ANR2025/>
- **Symplectic Dynamics**
Istituto Nazionale di Alta Matematica “Francesco Severi”, Rome, Italy
May 22-26, 2023
http://perso.ens-lyon.fr/marco.mazzucchelli/events/2023/Symplectic_dynamics/
- **Two days in Symplectic Dynamics**
École Normale Supérieure de Lyon, France
September 29-30, 2022
http://perso.ens-lyon.fr/marco.mazzucchelli/events/2022/Two_days/
- **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 schools:

- **CIME summer school on Symplectic dynamics and topology**
Cetraro, Italy
June 16-20, 2025
<https://perso.ens-lyon.fr/marco.mazzucchelli/events/2025/CIME/>
- **School on conformal symplectic dynamics and related fields**
Centre international de rencontres mathématiques, Marseille, France
May 8-12, 2023
<https://conferences.cirm-math.fr/2878.html>

Vice-president of the hiring committee for a *maître de conférences* position in Geometry at the École normale supérieure de Lyon, 2023

Member of the hiring committee for the *Juan de la Cierva* (post-doc) and *Ramón y Cajal* (tenure-track) positions in Spain, 2023

Member of the Research Committee of the Labex Milyon (from September 2016)

<http://milyon.universite-lyon.fr/>

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

Member of the Ph.D. thesis committees of:

- **Beomjun Sohn** (Seoul National University, South Korea)
Advisor: Jungsoo Kang
Defense date: April, 2025
- **Corentin Fierobe** (École normale supérieure de Lyon, France)
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, France)
Advisor: Patrice Le Calvez
Thesis: “Utilisation de feuilletages transverse à l’étude d’homéomorphismes préservant l’aire de surfaces”
Defense date: December 2, 2014

Editor of Journal of Fixed Point Theory and Applications (Springer)

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
- Annales scientifiques de l'École normale supérieure (SMF)
- 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)
- Inventiones mathematicae (Springer)
- 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)

10. Teaching activity

2024/2025: **Teaching at École Normale Supérieure de Lyon:**

Riemannian geometry
Symplectic capacities

Teaching at Scuola Internazionale Superiore di Studi Avanzati:

Variational methods in symplectic dynamics

2023/2024: **Teaching at École Normale Supérieure de Lyon:**

Algebraic topology
Geodesic flows

2022/2023: **Teaching at École Normale Supérieure de Lyon:**

Algebraic topology
Introduction to symplectic dynamics

2021/2022: **Teaching at École Normale Supérieure de Lyon:**

Algebraic topology
Differential geometry (tutorials)

Teaching at Ruhr-Universität Bochum:

Geometric inverse problems

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)

11. Visiting periods

- Nov. – Dec. 2024 **Scuola Internazionale Superiore di Studi Avanzati** (Trieste, Italy)
Visiting researcher.
- Oct. 2023 **Simons Center for Geometry and Physics** (Stony Brook, New York)
Research member in the scientific program “Mathematical billiards: at the crossroads of dynamics, geometry, analysis, and mathematical physics”.
- Nov. – Dec. 2022 **Centro de Investigación en Matemáticas** (Guanajuato, Mexico)
Visiting researcher.
- Sep. – Dec. 2021 **Ruhr-Universität Bochum** (Germany)
Visiting researcher.
- 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 researcher.
- Feb. 2015:* **Instituto Nacional de Matemática Pura e Aplicada** (Rio de Janeiro, Brazil)
Research in pairs with Leonardo Macarini.
- Dec. 2010:* **Purdue University** (West Lafayette, Indiana)
Visiting researcher.
- Apr. 2010:* **Institute for Advanced Study** (Princeton, New Jersey)
Visiting researcher.
- Feb. 2010:* **Centro de Investigación en Matemáticas** (Guanajuato, Mexico)
Visiting researcher.
- May – June 2009:* **Max Planck Institute for Mathematics in the Sciences** (Leipzig, Germany)
Visiting researcher.
- Dec. 2008:* **Universität Leipzig** (Germany)
Visiting researcher.
- Sep. 2007 – June 2008:* **Stanford University** (California)
Visiting Ph.D. student.

12. Invited talks

- Dec. 3, 2024:* **Seminario di Fisica Matematica**
Università degli Studi di Padova (Italy)
- Nov. 14, 2024:* **Séminaire Géométrie Topologie Dynamique**
Université Paris-Saclay (France)
- Oct. 3, 2024:* **Séminaire Géométrie et Topologie**
Institut de Mathématiques de Jussieu (Paris, France)
- Sep. 27, 2024:* **Séminaire de Topologie**
Institut Fourier (Grenoble, France)
- Sep. 20, 2024:* **Symplectic Dynamics in Aachen**
RWTH Aachen University (Germany)
- Aug. 19–22, 2024:* **Minicourse at “Inverse Problems Summer school”**
University of California Santa Cruz (California)
- May 9, 2024:* **Mathematics Department Colloquium**
Stony Brook University (Stony Brook, New York)
- Dec. 11, 2023:* **Colloquium du laboratoire Dieudonné**
Université Côte d’Azur (Nice, France)
- Nov. 20–25, 2023:* **Yulij Ilyashenko 80th anniversary conference “Real and complex dynamical systems”**
Tsaghkadzor, Armenia
- Nov. 10, 2023:* **Symplectic Geometry Seminar**
Université de Montréal (Canada)

- Nov. 6, 2023: **Symplectic Geometry Seminar**
Institute for Advanced Study (Princeton, New Jersey)
- Oct. 16, 2023: **Lecture during the thematic program on Mathematical Billiards**
Simons Center for Geometry and Physics (Stony Brook, New York)
- Sep. 28, 2023: **Séminaire d’algèbre, topologie et géométrie**
Université Côte d’Azur (Nice, France)
- Aug. 15, 2023: **Workshop on Conservative Dynamics and Symplectic Geometry**
IMPA, Rio de Janeiro (Brazil)
- June 14, 2023: **Symplectic Geometry Seminar**
Ruprecht-Karls-Universität Heidelberg (Germany)
- June 13, 2023: **Geometry Seminar**
Ruprecht-Karls-Universität Heidelberg (Germany)
- Feb. 3, 2023: **Séminaire “Symplectix”**
Institut Henri Poincaré (Paris, France)
- Feb. 2, 2023: **Séminaire Géométries et Systèmes Dynamiques**
Institut de Mathématiques de Bourgogne (Dijon, France)
- Nov. 8, 2022: **Workshop on Geometrical Inverse Problems**
RICAM, Austrian Academy of Sciences (Linz, Austria)
- Sep. 19, 2022: **Workshop on Topological Methods in Geometry**
Centre de Recerca Matemàtica (Barcelona, Spain)
- Sep. 9, 2022: **Workshop “Low-Dimensional Topology and Homeomorphism Groups”**
Brin Mathematics Research Center (College Park, Maryland)
- Aug. 16, 2022: **Symplectic Dynamics Beyond Periodic Orbits**
Lorentz Center (Leiden, The Netherlands)
- June 29, 2022: **Workshop on Symplectic Dynamics**
Instituto Superior Técnico (Lisbon, Portugal)
- Mar. 8, 2022: **Conference “Rigidité, dynamique hyperbolique, problèmes inverses”**
Roscoff (France)
- Dec. 14, 2021: **BACH Seminar**
Ruhr-Universität Bochum (Germany)
- Nov. 15, 2021: **Séminaire GT3**
Institut de Recherche Mathématique Avancée (Strasbourg, France)
- 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, The 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)