Curriculum Vitae: Jessica Elisa Massetti

- **Personal data:**
  Family name, First name: Massetti, Jessica Elisa.
  Date of birth: 30 March 1986 (Pavia, Italy).
  Nationality: Italian.
  URL for web site: `www.dynamical-systems.eu`

- **Currrent Position:**
  Since Oct. 2019 - RTDa in MAT05, Dip. Matematica e Fisica, Univ. Roma Tre (Italy).

- **Previous Positions:**
  2018-2019 - Post doctoral researcher, *Junior Visiting Position* at Centro Ricerca Matematica E. De Giorgi, Scuola Normale di Pisa (Italy)
  2016-2018 - Post doctoral researcher in the frame of the ERC project "Hamiltonian PDEs and small divisor problems: a dynamical systems approach ", Univ. Roma Tre
  2014-2016 - Teaching and Researching position (ATER), Univ. Paris Dauphine, CEREMADE (France)

- **Education:**
  2015 October - Ph.D (grade: first class honor), Observatoire de Paris PSL Research University
  Advisors: Prof. Alain Chenciner and Jacques Féjoz.
  Boards of examiners: J. Laskar (president), L.Chierchia and J-P. Marco (referees), B. Fayad, A.Chenciner and J.Féjoz.
  2011 - Master Degree (*Laurea Magistrale*) in Mathematics (summa cum laude), Dept. of Mathematics, Università degli Studi di Milano.
  2010-2011 Exchange Student (Erasmus Mobility Program) - M2 recherche, Université Paris 11 Orsay
  Defence of the mémoir de Master, grade: 18.75/20. Advisor: Prof. J. Féjoz

- **Grants and awards**
  2019 Oct. - Posto di ricercatore a tempo determinato tipo a) in MAT05 - Univ. Roma Tre
  2018 Oct. - Assegno di ricerca (durata biennale) "*Junior Visiting Position*" in Dynamical Systems at Centro di Ricerca Matematica Ennio De Giorgi
  2017 June - Assegno di Ricerca Funded by the ERC project HamPDEs
  2016 June - Assegno di Ricerca Funded by the ERC project HamPDEs

  2015 - Teaching and research grant at Université Paris-Dauphine, CEREMADE
  2014 - Teaching and research grant at Université Paris-Dauphine, CEREMADE
  2011 - Teaching grant at Observatoire de Paris

  2011 - Ph.D. grant issued by the École Doctorale 127, Observatoire de Paris
  2010 - Scolarship grant, Université Paris-Sud Orsay

- **Publications and preprints (Last 5 years: 2015 – 2020)**

  1 - Biasco L., Massetti J. E. & Procesi M. An Abstract Birkhoff Normal Form Theorem and Exponential Type Stability of the 1d NLS. Commun. Math. Phys. (2019) https://doi.org/10.1007/s00220-019-03618-x
  2 - Biasco L., Massetti J. E. & Procesi M. Exponential and sub-exponential stability times for the NLS on the circle. Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl. 30 (2019), no. 2, 351–364
  3 - Massetti J. E., Normal forms for perturbations of systems possessing a Diophantine invariant torus. Ergodic Theory Dynam. Systems 39 (2019), no. 8, 2176–2222.
  4 - Massetti J. E., A normal form à la Moser for diffeomorphisms and a generalization of Rüssmann's translated curve theorem to higher dimensions. Anal. PDE 11 (2018), no. 1, 149–170.
  5 - Biasco L., Massetti J. E. & Procesi M., Almost periodic invariant tori for the NLS on the circle (2020), Submitted. https://arxiv.org/abs/1903.07576
  6 - Massetti J.E., Marmi S. & Sorrentino A. Rigidity of Mather's beta function for the standard map. Preprint, 2019.
  7 - Marmi, S. & Massetti, J. E. Around the global linearization of germs of Holomorphic maps. Preprint, 2019
  8 - Barbieri S., Dumas S., Marco J.P. & Massetti J.E. Around the stability of invariant tori for near-integrable, convex Hamiltonians of Holder regularity (2019, in preparation)
  9 - Massetti J. E. Quasi-périodicité et quasi-conservativité, Ph.D thesis, Observatoire de Paris (2015)

- **Invited talks and lectures:**

  - Invited speaker at **International Conferences**, among which:

  H2020 in Hamiltonian Dynamics, Venice (2020) - **Conference in Honor of Jean-Pierre Marco**, Observatoire de Paris (2020) - **BIRS-CMO Workshop in Hamiltonian PDEs**, Oaxaca, Mexico (2019) - **DinAmici VI**, Centro de Giorgi (2019) - **Symmetries and Perturbation Theory** (2018) - **Imperial College**, London Aspects of Dynamical Systems (2017) - **University of Warwick**, Warwick Dynamical Systems Workshop (2016) - **The 11th AIMS Conference on Dynamical Systems**, Orlando, USA (2016) - **Euler International Mathematical Institute**, St. Petersbourg, Russia, International colloquium on Dynamical Systems and KAM theory (2015) - **Institut Henri Poincaré**, Paris, France (2013) invited lecture at GRAVASCO: IHP's thematic trimester

  - Invited talks at **Departemental Seminars**, among which:

  Augsburg University (2020) - **Centro di Ricerca Matematica E. De Giorgi**, Scuola Normale Superiore, Pisa (2018) - **Université Nice Sophia-Antipolis** (2018) - **Institut Mathématique de Jussieu PRG**, Univ. Paris 7 (2018) - **Università degli Studi di Roma Tor Vergata** (2017) - **Università di Napoli Federico II** (2016) - **Institut de Mathématiques de Bourgogne**, Dijon, France (2016) - **Université d'Avignon** (2016) - **Institut Mathématique de Jussieu, Paris 6** (2016) - **Université Nice Sophia-Antipolis** (2015) - **Università degli Studi di Milano** (2013)

- **Invited scientific visits**:
  Univ. degli Studi di Milano, dept. Mathematics (May 2019) - Université Paris-Diderot, Paris 7 dept. Mathematics (March 2018 & February 2017) - IMCCE, Observatoire de paris, Dynamical Systems group (July-August 2016) - Università di Napoli Federico II, dept. Mathematics (April 2016)

- **Habilitations:**
  2016 - French National Qualification for Maître de conférences in Mathematics.

- **Organization of Conferences & seminars** - Co-Organizer of the weekly Dynamical Systems Seminars at Centro de Giorgi (SNS) - Member of the Organizing Committee for the conference Leaning Tori: a Hamiltonian Event under the Tower (Scuola Normale di Pisa, May 2019) - Member of the Organizing Committee for the conference Analysis and Dynamics (Patù, Oct. 2017)

- **Refereeing & other activities**:
  - Referee for Lecture Notes in Mathematics (Springer), Journal of Mathematical Physics, Physica D, Non-Linear Analysis, Comm. in Pure and Applied Analysis, Nonlinear Differential Equations and Applications
  - Referee member for the INdAM national competitive examination, issuing scholarships for students in Mathematics
  - Invited contributor for the web page *Les mathématiques du ciel* (ENS Lyon & Musée des confluences) (http://ens.tadaa.fr/dynamique-chaotique/pas-de-calcul/)

- **Teaching activities**:
  Istituzioni di Matematiche (titolare) Dept. Science Univ. Roma Tre (2018 & 2019) - Analysis 1 (course, 2016) & Analysis 2 (course, 2015) Univ. Paris Dauphine, Bachelor in mathematics - Mathematical Methods for Physiscs, Master level (exercices, 2012 & 2013) Paris Observatory & Univ. Paris 6 - Applied Quantum Physics , Master level (exercises, 2012 & 2013) Paris Observatory & Univ. Paris 6, Geometry of Hamiltonian Systems, Master level (lecture, 2012) Paris Observatory

- **Attended Workshops, Colloquia and Advanced Courses**, among which:
  Dynamical Systems: from geometry to mechanics (2019) Workshop at Università di Roma Tor Vergata - **BeKAM international conference** (2018) Istitut d'Etudes Scientifiques de Cargèse - **Recent advances in Hamiltonian dynamics and symplectic topology** (2018) University of Padova - **ETH-CSF Conference on Hamiltonian Dynamics,** (2017) conference in memory of John N. Mather. Ascona, Swizerland - **ETH-ITS Winter school in conservative dynamics** (2017)- **Mini-course on Arnold's diffusion** (December 2016) - **Hamiltonian Dynamics, PDEs and Waves on the Amalfi coast**, Maiori, Italy (2016) - **Workshop on interactions between dynamical systems and PDE's** (2016) Universistat Polytecnica de Cataluna, Barcelona - **Mini course "Variational methods in Hamiltonian systems"**(2015) By Ivar Ekeland, Université Paris-Dauphine - **Meeting of the ANR "Dynamique et EDP"** (2014) Centre d'Etudes Scientifiques, Cargèse - **Summer School in Dynamical Systems** (August 2014) University of Maryland, College Park, MD - USA - **International symposium "Dynamical Systems and PDE's"** November 2012 CIRM, Luminy, France - **Advanced School on Variational Methods on Vortex and N-body Dynamics** (June 2012) Università del Salento, Lecce, Italy - **International symposium "Dynamical optimisation in PDE's and Geometry, Applications to Hamilton-Jacobi and Weak K.A.M. Theory"** (2011)