




Mauro ARTIGIANI

PERSONAL DATA

PLACE OF BIRTH:	Rome, Italy
NATIONALITY:	Italian
ADDRESS:	School of Engineering, Science and Technology, Universidad del Rosario Carrera 6 #12C-16, Bogotá, Colombia.
	 mauro.artigiani@urosario.edu.co
	 https://m-artigiani.github.io
ORCID:	0000-0003-3531-6323
	 @m_artigiani

ACADEMIC POSITIONS

2020–	Profesor Principal, School of Engineering, Science and Technology , Universidad del Rosario, Bogotá, Colombia.
2018–2019	Investigador postdoctoral, Departamento de Matemáticas , Universidad de los Andes, Bogotá, Colombia.
2016–2018	Postdoctoral researcher, Centro di Ricerca Matematica Ennio De Giorgi , Scuola Normale Superiore, Pisa, Italy.

EDUCATION

2012–2016	Ph. D. in Mathematics, University of Bristol , Bristol, UK. Thesis: “ <i>Some aspects of Diophantine approximation and ergodic theory of translation surfaces</i> ”. Advisor: Prof. Corinna ULCIGRAI.
2010–2012	Master of Science in MATHEMATICS University of Rome “Sapienza” , Rome. 110/110 <i>cum laude</i> Major: Algebra & Geometry. Thesis: “ <i>Flat surfaces and the Veech dichotomy</i> ”. Advisor: Prof. Gabriele MONDELLO.
2007–2010	Bachelor of Science in MATHEMATICS University of Rome “Sapienza” , Rome. 110/110 <i>cum laude</i> Major: Pure Mathematics. Thesis: “ <i>On conformal structures of surfaces</i> ”. Advisor: Prof. Andrea SAMBUSETTI.

GRANTS AND AWARDS

2019	SQuaRE, American Institute for Mathematics, <i>joint with</i> Anja Randecker, Chandrika Sadanand, Ferrán Valdez and Gabriela Weitze-Schmithüsen
2012–2016	University of Bristol postgraduate Scholarship
2011–2012	Student in the “ Master Excellence Path ” in Mathematics at the University of Rome “Sapienza”.
2008–2010	Student in the “ Excellence Path ” in Mathematics at the University of Rome “Sapienza”.

PUBLICATIONS AND PREPRINTS

1. A note on double rotations of infinite type.
joint with Charles Fougerson, Pascal Hubert and Alexandra Skripchenko. *Accepted for publication in Transactions of the Moscow Mathematical Society.* [arXiv](#).

2. Octagonal continued fraction and diagonal changes.
Submitted. [arXiv](#)
3. Persistent Hall rays for Lagrange spectra at cusps of Riemann surfaces.
joint with Luca Marchese and Corinna Ulcigrai. *Ergodic theory and Dynamical systems*, **40** (2020), 2017–2072. [Journal](#); [arXiv](#).
4. Exceptional ergodic directions in Eaton lenses.
Israel Journal of Mathematics, **220** (2017), 29–56. [Journal](#); [arXiv](#).
5. The Lagrange spectrum of a Veech surface has a Hall ray.
joint with Luca Marchese and Corinna Ulcigrai. *Groups, Geometry, and Dynamics*, **10** (2016), 1287–1337. [Journal](#); [arXiv](#).

TALKS

MARCH 2021	<i>Colloquium talk</i> , Universidad Nacional de Colombia, Bogotá, Colombia.
SEPTEMBER 2019	<i>Colloquium talk</i> , Pontificia Universidad Javeriana, Bogotá, Colombia.
SEPTEMBER 2019	<i>Colloquium talk</i> , Universidad Nacional de Colombia, Bogotá, Colombia.
JUNE 2019	<i>Dynamical Systems Seminar</i> , CRM Ennio De Giorgi, Scuola Normale Superiore, Pisa, Italy.
OCTOBER 2018	<i>Colloquium talk</i> , Universidad de Los Andes, Bogotá, Colombia.
FEBRUARY 2018	<i>Workshop Around Dynamical Systems</i> , Udine, Italy.
DECEMBER 2017	<i>Dynamical Systems Seminar</i> , Institut de Mathématiques de Marseille, France.
NOVEMBER 2017	<i>Horowitz Seminar</i> , Tel Aviv University, Israel.
OCTOBER 2017	<i>Colloquium talk</i> , Universidad de Los Andes, Bogotá, Colombia.
AUGUST 2017	<i>Dynamics in Number Theory and Geometry</i> , Fields Institute, Kingston, Canada.
JUNE 2017	<i>Workshop on Moduli Spaces</i> , SkolTech & HSE, Moscow, Russia.
NOVEMBER 2016	<i>Prima Giornata DinAmica</i> . Gran Sasso Science Institute, L'Aquila, Italy.
FEBRUARY 2016	<i>Seminar at the Abdus Salam International Centre for Theoretical Physics</i> . Trieste, Italy.
NOVEMBER 2015	<i>Simons workshop on Translation surfaces and Dynamics</i> . Bedlewo, Poland.
JULY 2015	<i>School: “Dynamics & Geometry in Teichmüller Space”</i> . Marseille, France. (<i>contributed</i>)
JUNE 2015	<i>DinAmici IV</i> , conference of young Italian dynamicist. Corinaldo, Italy.
FEBRUARY 2015	<i>Ergodic Theory and Dynamical Systems seminar</i> . Warwick University, UK.
OCTOBER 2014	<i>Ergodic Theory and Dynamical Systems seminar</i> . University of Bristol, UK. (<i>contributed</i>)

TEACHING

2020-II	Lógica, Teoría de Números y Conjuntos, and Cálculo 2.
2020-II	Teoría de la Computación, and Álgebra abstracta y codificación.
2020-I	Lógica, Teoría de Números y Conjuntos, and Álgebra abstracta y codificación.
2019-II	Cálculo diferencial and Teoría Ergódica.
2019-I	Cálculo integral con ecuaciones diferenciales and Introducción a sistemas dinámicos.
2018-II	Cálculo integral con ecuaciones diferenciales.
2017–2018	Dynamical systems & Ergodic Theory (<i>shared</i>).
2014–2016	Pure Mathematics subjects first year tutorials.
2013	Marker for “Ergodic Theory and Dynamical Systems”.

ADVISING

Daniel Pallejá López Master student, Universidad de los Andes, 2018–2020.

CONFERENCES AND MEETING ORGANISATION

- 2019 Weekly Colloquium Seminar, Universidad de los Andes, Bogotá, Colombia.
- 2018 [From order to chaos](#), CRM Ennio De Giorgi, Pisa.
- 2017–2018 [Dynamical Systems seminar](#), with Paolo Giulietti.
- 2014 *MINGLE*, University of Bristol, UK.
MINGLE is a one day meeting to welcome the new PhD and Master students at the University of Bristol. I was one of the five organisers and approximately 50 people were present.

OUTREACH

[Google, las Matemáticas, y los Sistemas Dinámicos](#) (YouTube video interview)

LANGUAGES

ITALIAN: Native
ENGLISH: Fluent
SPANISH: Advanced