

Mauro ARTIGIANI

PERSONAL DATA

PLACE OF BIRTH:	Rome, Italy
NATIONALITY:	Italian
ADDRESS:	Departamento MACC, Universidad del Rosario Carrera 6 #12C-16, Bogotá, Colombia.
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ACADEMIC POSITIONS

2020–	Profesor Principal, Escuela de Ingeniería, Ciencia y Tecnología , 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 SAMBUNETTI.

AWARDS AND HONOURS

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

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](#).

Exceptional ergodic directions in Eaton lenses.
Israel Journal of Mathematics, **220** (2017), 29–56. [Journal](#); [arXiv](#).

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

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

TEACHING

- 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 (*shared*).
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

- 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