

Mauro ARTIGIANI

PERSONAL DATA

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| 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

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| 2020– | Profesor Principal, Departamento de Matemáticas Aplicadas y Ciencias de la Computación , 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

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| 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. |

AWARDS AND HONOURS

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| 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. [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 Palleja Lopez 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