

CURRICULUM VITAE

DAVIDE RAVOTTI

PERSONAL INFORMATION

Name, Surname Davide Ravotti
Birth date, place 02 August 1989, Savigliano (CN), Italy
Address School of Mathematical Sciences, Monash University
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EDUCATION

2018 Ph.D. degree at the University of Bristol.
 Supervisor: prof. Corinna Ulcigrai.
 Thesis title: *Mixing via shearing in some parabolic flows*.
2014 Diploma di Licenza of the Scuola Superiore of the University of Udine.
 Final mark: 110/110 *cum laude*.
2013 Master degree in Mathematics, University of Udine.
 Thesis advisor: prof. Giovanni Panti.
 Thesis title: *Misiurewicz parameters for the quadratic family* (in Italian).
 Final mark: 110/110 *cum laude*.
2011 Bachelor degree in Mathematics, University of Udine.
 Thesis advisor: prof. Giovanni Panti.
 Thesis title: *Generalized Farey enumeration* (in Italian).
 Final mark: 110/110 *cum laude*.
2008 Scientific high school degree at Liceo Scientifico “G. Ancina”, Fossano (CN).
 Final mark: 100/100.

ACADEMIC POSITIONS

Mar. 2019-present Research Fellow, Monash University, Melbourne, Australia.
Sep. 2018-Feb.-2019 Postdoctoral Assistant, University of Zürich, Zürich, Switzerland.
Apr.-Aug. 2018 Research Associate, University of Bristol, Bristol, UK.

SEMINARS

05 Dec. 2018 Scuola Normale Superiore, Pisa, Italy (invited).
03 Sep. 2018 Conference “Dynamics Days Europe”, Loughborough, UK (invited).
16 Jan. 2018 Queen Mary University, London, UK (invited).

- 02 Nov. 2017* Scuola Normale Superiore, Pisa, Italy (invited).
- 17 Oct. 2017* University of Warwick, Coventry, UK (invited).
- 12 Oct. 2017* University of Manchester, Manchester, UK (invited).
- 24 Aug. 2017* Conference “Dynamics in Number Theory and Geometry”, Kingston, Canada (invited).
- 06 Jun. 2017* Workshop “Modern Trends in the Ergodic Theory of Dynamical Systems”, Rome, Italy (invited).
- 23 Mar. 2017* University of Bristol, Bristol, UK.
- 11 Jan. 2017* One-day Workshop on Dynamical Systems, ICTP, Trieste, Italy.
- 10 Jan. 2017* University of Udine, Udine, Italy (invited).

INFORMAL SEMINARS

- 07 Oct. 2016* Pure postgraduate seminar, Bristol, UK.
- 22 Sep. 2016* MINGLE, Bristol, UK.
- 30 Oct. 2015* Pure postgraduate seminar, St. Andrews, UK (invited).
- 20 Feb. 2015* Pure postgraduate seminar, Bristol, UK.

PARTICIPATION IN SCHOOLS AND CONFERENCES

- 03-07 Sep. 2018* Dynamics Days Europe (Conference), Loughborough, UK.
- 10-16 Jun. 2018* Ergodic aspects of modern dynamics (Conference), Bedlewo, Poland.
- 19-23 Mar. 2018* Teichmueller Dynamics (Symposium), Warwick, UK.
- 21-25 Aug. 2017* Dynamics in Number Theory and Geometry (Conference), Kingston, Canada.
- 05-09 Jun. 2017* Modern Trends in the Ergodic Theory of Dynamical Systems (Workshop), Rome, Italy.
- 01-04 Aug. 2016* Young Researchers in Mathematics, St. Andrews, UK.
- 27 Jun.- 2 Jul. 2016* Analytical Methods in Classical and Quantum Dynamical Systems (Workshop), Pisa, Italy.
- 21-24 Mar. 2016* BMC, Bristol, UK.
- 22-28 Nov. 2015* Ergodic Theory of Dynamical Systems (Simons semester workshop), Bedlewo, Poland.
- 29 Jun. - 3 Jul. 2015* Group representations in Dynamics and Geometry (Workshop), Luminy, France.
- 22-25 Jun. 2015* DinAmicI – Italian people in Dynamics (Workshop), Corinaldo, Italy.
- 13-17 Apr. 2015* Statistical Properties of Dynamical Systems (LMS-CMI Research School), Loughborough, UK.
- 4-14 Jun. 2014* ICTP-NLAGA School in Dynamical Systems and Ergodic Theory, Mbour, Senegal.

TEACHING AND OTHER ACTIVITIES

- Jul. 2018* Tutor at *ICTP Summer School in Dynamics*.
- 2017/18* Tutor for the first year courses *Analysis 1* and *Foundations and Proof*.
Organiser of the *Reading group in Representation Theory of Semisimple Lie Groups*.
- 2016/17* Tutor for the first year courses *Analysis 1* and *Foundations and Proof*.
Tutor for the second year course *Introduction to Geometry*.
Organiser of the *Pure postgraduates seminars*.
Organiser of the *ChaParDyn Reading group*.
- 2015/16* Tutor for the first year courses *Analysis 1* and *Linear Algebra and Geometry*.
Organiser of the *Pure postgraduates seminars*.
Organiser of the *Reading group in Teichmüller Theory*.
- 2014/15* Marker for the courses *Ergodic Theory and Dynamical Systems* and *Algebra II*.

SERVICE TO THE COMMUNITY

Referee for: Discrete and Continuous Dynamical Systems.

OTHER EXPERIENCES

- Jan.-Jun. 2013* Visiting student (Erasmus program) at the Université Pierre et Marie Curie - Paris VI, Paris, France.
- Jun.-Dec. 2012* Tutor for the students of the Scuola Superiore of the University of Udine.
- 2009-2012* Students' representative in the board of the degree course in Mathematics of the University of Udine.
- 2009-2012* Students' representative in the board of the Scuola Superiore of the University of Udine.
- Jun.-Aug. 2006* Exchange student (AFS-Intercultura program), Kyoto, Japan.

LANGUAGE SKILLS

Italian (native language), English (fluent), French (intermediate), Japanese (basic).

PUBLICATIONS AND PREPRINTS

- [1] D. Ravotti. Parabolic perturbations of unipotent flows on compact quotients of $SL(3, \mathbb{R})$. Accepted for publication in *Comm. Math. Phys.*
- [2] D. Ravotti. Mixing for suspension flows over skew-translations and time-changes of quasi-abelian filiform nilflows. Accepted for publication in *Ergod. Theory Dyn. Syst.*
- [3] D. Ravotti. Quantitative mixing for locally Hamiltonian flows with saddle loops on compact surfaces. *Ann. Henri Poincaré*, 18(12):3815-3861, 2017.
- [4] G. Panti, D. Ravotti. Measures induced by units. *J. Symb. Log.*, 78(3):886-910, 2013.

04 March 2019,

Davide Ravotti