

ALESSANDRO CODENOTTI

My research interests are at the intersection of descriptive set theory, topological dynamics and model theory. I am particularly interested in the topological dynamics of infinite dimensional Polish group and its relationship with the model theory of homogeneous structures and continuum theory.

EDUCATION & PROFESSIONAL EXPERIENCE

Postdoc (assegnista di ricerca)

Università di Bologna

Bologna, IT

01/2024 - now

PhD student

University of Münster

Münster, DE

10/2020 - 12/2023

Master degree in Mathematics

University of Bonn

FINAL GRADE: 1.4

Bonn, DE

10/2018 - 07/2020

Bachelor degree in Mathematics

University of Trento

FINAL GRADE: 110/110 CUM LAUDE

Trento, IT

09/2015 - 07/2018

PUBLICATIONS & PREPRINTS

Surfaces and other Peano Continua with no Generic Chains

Joint work with Gianluca Basso and Andrea Vaccaro

Submitted, preprint available at <https://arxiv.org/abs/2403.08667>

Ranks in Ellis semigroups and model theory (2023)

Joint work with Daniel Max Hoffmann

Submitted, preprint available at <https://arxiv.org/abs/2308.05477>

Some examples of tame dynamical systems answering questions of Glasner and Megrelishvili (2023)

Accepted, preprint available at <https://arxiv.org/abs/2305.00726>

Projective Fraïssé limits and generalized Wazewski dendrites (2022)

Joint work with Aleksandra Kwiatkowska

Accepted, preprint available at <https://arxiv.org/abs/2210.06899>



ABOUT ME

Born in Brescia (Italy) on the 25th August 1995, I am a mathematician for work, a technology enthusiast as a hobby and a hiker and cat lover in my free time.

LANGUAGES

Italian	●●●●●	Mother tongue
English	●●●●●	Fluent
German	●●●●●	Conversational

PROGRAMMING

C	██████████
Haskell	██████████
LaTeX*	██████████
Python	██████████

* This CV was written in \LaTeX

TEACHING & ORGANISATIONAL EXPERIENCE

2023	LOCAL ORGANISER FOR THE YOUNG SET THEORY WORKSHOP 2023	Münster, DE
2023	ORGANISER FOR THE SEMINAR CONTINUUM THEORY	Münster, DE
2021	TEACHING ASSISTANT FOR LOGIC III: DESCRIPTIVE SET THEORY	Münster, DE
2018	INTRODUCTORY L ^A T _E X COURSE	Trento, IT

TALKS, CONFERENCES & RESEARCH VISITS

Structures Semester in descriptive set theory	Warsaw, PL 14/08/2023-25/08/2023
Seminario di Algebra e Geometria Invited Talk: The universal minimal flow of the homeomorphism group of the Menger curve	Bologna, IT 27/06/2023
GeSAMT Meeting Invited Talk: Some examples of tame dynamical systems answering questions of Glasner and Megrelishvili	Bonn, DE 28/01/2023
PhDs in Model Theory Seminar Contributed Talk: Automorphisms of generic substructures of the random graph	Münster, DE 20/12/2022
Doc in Progress Invited Talk: An introduction to the Kechris-Pestov-Todorčević correspondence	Trento, IT 17/10/2022
European Set Theory Conference	Turin, IT 29/08/2022 - 02/09/2022
13th Prague Symposium on General Topology Contributed Talk: Generalized Ważewski dendrites as Projective Fraïssé limits	Prague, CZ 25/07/2022 - 29/07/2022
Münster model theory Oberseminar Contributed Talk: Generalized Ważewski dendrites as Projective Fraïssé limits	Münster, DE 14/07/2022
Ultramath 2022	Pisa, IT 06/06/2022 - 11/06/2022
Informal PhD Seminar Contributed Talk: The Pseudoarc	Münster, DE 16/03/2022
European Conference on Interdisciplinary Model Theory	Münster, DE 07/03/2022 - 11/03/2022
GeSAMT Meeting	Düsseldorf, DE 12/11/2021 - 13/11/2021
AGRUME meeting in Colmar	Colmar, FR 01/09/2021 - 04/09/2021
Mathematical Language and Practical Type Theory	Bonn, DE 01/04/2020 - 04/04/2020