# **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) Universitá di Bologna

PhD student

University of Münster

Bologna, IT 01/2024 - now

10/2020 - 12/2023

10/2018 - 07/2020

09/2015 - 07/2018

Münster, DE

Bonn, DE

Trento, IT

Master degree in Mathematics University of Bonn FINAL GRADE: 1.4

**Bachelor degree in Mathematics** University of Trento Final grade: 110/110 cum laude

#### **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 Ważewski dendrites (2022)

Joint work with Aleksandra Kwiatkowska Accepted, preprint available at https://arxiv.org/abs/2210.06899



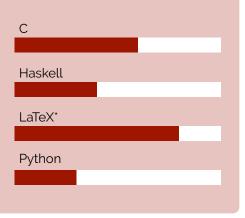
## **ABOUT ME**

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



\* 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 LaTeX 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	<i>Bologna, IT</i> curve 27/06/2023
<b>GeSAMT Meeting</b> Invited Talk: Some examples of tame dynamical systems answering questions of Megrelishvili	<i>Bonn, DE</i> f Glasner and 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
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