

Colin Jahel

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Academic studies

PhD. Université Paris Diderot then Université Claude Bernard Lyon 1. Advisors: Lionel Nguyen Van Thé and Todor Tsankov	2018–june 2021 (expected)
Research internship. Advisor: Todor Tsankov, Université Paris Diderot.	2017–2018
Graduate education - Master 2: Probabilities and Applications. Sorbonne Université, speciality "Probabilities and Random Models".	2016–2017
Bachelor (Licence 3) then Graduate education (first year - Master 1). ENS de Lyon.	2014–2016

Preprints and publications

Invariant measures on products and on the space of linear orders, [Arxiv](#).

Colin Jahel and Todor Tsankov, submitted.

Minimal model-universal flows for locally compact Polish groups, [Arxiv](#).

Colin Jahel and Andy Zucker, accepted at Israel J. Math..

Extending partial automorphisms of n-partite tournaments, [Arxiv](#).

Jan Hubička, Matěj Konečný, Colin Jahel and Marcin Sabok, Eurocomb 2019.

Unique ergodicity of the automorphism group of the semigeneric directed graph, [Arxiv](#).

Colin Jahel, accepted at Ergodic Theory and Dynamical Systems.

Topological dynamics of Polish group extensions, [Arxiv](#).

Colin Jahel and Andy Zucker, submitted.

Talks

Some progress on the unique ergodicity problem.

Dresden (online).

March 2021

Percolation et groupes.

Montpellier, Grad student seminar (online).

March 2021

Actions of automorphism groups of Fraïssé limits on the space of linear orderings.

- Montréal (online).

December 2020

- Vienna (online).

October 2020

- St Petersburg (online).

August 2020

- Caltech Logic seminar (online).

July 2020

- Lyon-Paris Logic seminar (online).

June 2020

- Work seminar Actions !.

January 2020

Lyons-Schramm indistinguishability Theorem.

ENS Lyon, Work seminar Actions ! (online).

April 2020

Measuring model-theoretic spaces.

ENS Lyon, Grad Students Seminar.

November 2019

Dynamics and model-theoretic structures.

Université Paris Diderot, Grad Students Seminar.

March 2019

Unique ergodicity, the semigeneric directed graph and short exact sequences.

Banff, Unifying Ramsey Theory.

November 2018

Nash-Williams criterion for random walks.

Université Paris Diderot, Ergodic theory work group.

October 2018

There is a uniqueness phase for the percolation on Cayley graphs .

Université Paris Diderot, Ergodic theory work seminar.

March 2018

Percolation on Caley graphs .

Research schools and conferences

Invariant Measures (invited speaker) , St Petersburg.	August 2020
Kervaire Seminar , Les Diablerets, Switzerland.	February 2020
Measurable, Borel and Topological Dynamics , Marseille.	October 2019
Ecole d'été GRaphes et Arbres ALéatoires , Marseille.	July 2019
Meeting ANR GAMME , Saint-Etienne de Tinée, France.	March 2019
Unifying Themes in Ramsey Theory (invited speaker) , Banff, Canada.	November 2018
Thematic semester: Descriptive set theory and Polish groups , Lausanne.	February and March 2018
-Borel combinatorics and ergodic theory conference	
-Structure and dynamics of Polish groups conference.	
Thematic semester: Groups, Graphs and Dynamics , Lyon.	November 2017 and January 2018
-Ultrafilters, Ramsey Theory and Dynamics	
-Entropy and Sophicity (school)	
-Graph limits (school).	

Teaching (recitation sessions)

Advanced Probabilities Institute for Financial and Acturial Studies.	Spring 2021
Measure Theory Institute for Financial and Acturial Studies.	Fall 2020
Advanced Probabilities Institute for Financial and Acturial Studies.	Spring 2020
Measure Theory Institute for Financial and Acturial Studies.	Fall 2019
Probability Université Paris Diderot.	Spring 2019
Mathematics for Biologists Université Paris Diderot.	Fall 2018

Short research internships

S_∞-invariant measures supported on a countable structure . Advisor: Todor Tsankov, Université Paris Diderot.	Fall and Summer 2017
Random Walks Generating Graphs. Advisor : Agelos Georgakopoulos, University of Warwick.	Summer 2016
Unique ergodicity of the automorphism group of the random graph. Advisor : Lionel Nguyen Van Thé, Université d'Aix-Marseille.	Summer 2015

Administrative activities

Organization of a meeting between master and PhD students. Université Claude Bernard Lyon 1.	February 2020
Organization of a meeting between master and PhD students. Université Paris Diderot.	April 2019
Member of the doctoral office. Université Paris Diderot.	2018–2019
Elected member of the Administration council. ENS de Lyon.	2015–2016
Elected member of the students association. ENS de Lyon.	2015–2016
Elected member of the council for students' life and welfare. ENS de Lyon.	2014–2015