Lucas D'ALIMONTE
Curriculum Vitae

PERSONAL DETAILS

Address	Chemin du Musée 23, 1700, Fribourg, Switzerland
Mail	`lucas.dalimonte@unifr.ch`
Birthdate	02/04/1998
Citizenship	French
Webpage	`https://perso.unifr.ch/lucas.dalimonte/`

EDUCATION

PhD in Mathematics   2020–2024
Université de Fribourg, Fribourg, Switzerland
(Started Oct. 2020). Under the supervision of Pr. Ioan Manolescu.
Previsional defense date: October 2024

Research internship   2020
Université de Fribourg, Fribourg, Switzerland
6 months research internship under the supervision of Pr. Ioan Manolescu.
Title of the thesis: *Ornstein-Zernike theory and Brownian scaling limits for interfaces of subcritical models of statistical mechanics.*

Masters in Probability   2019–2020
Université d'Orsay, Paris, France

Research internship   2019
University of California, Berkeley, USA
5 months research internship under the supervision of Pr. Alan Hammond.
Title of the thesis: *Oriented random walks constrained by area trapping and their link with the KPZ universality class.*

Student of ENS Paris   2017–2020
Ecole Normale Supérieure, Paris, France

Preparatory classes   2015–2017
Lycée Louis le Grand, Paris, France
MPSI/MP. Admission after national examination in ENS Paris.

PREPRINTS AND ARTICLES

[3]   *Near-critical Ornstein–Zernike theory for planar random-cluster models.* (Joint with Ioan Manolescu). In preparation

[2]   *Exact cube-root fluctuations in an area-constrained random walk model.* (Joint with Romain Panis). Submitted, arXiv:2311.12780

[1] *Entropic repulsion and scaling limit for a finite number of non-intersecting subcritical FK interfaces.* **Electronic Journal of Probability**, Vol. 29, paper no. 68, 1-53.

RESEARCH TALKS

July 2024	Probability seminar, Institut Fourier, Grenoble
April 2024	Mathematical Physics seminar, University of Geneva
December 2023	Probability and Analysis seminar, IHES, Paris
August 2023	Percolation and interactions workshop, CIRM
March 2023	Bern-Fribourg graduate seminar
February 2023	Workshop on Mathematical physics, Les Diablerets
July 2022	Saint-Flour probability summer school
May 2022	Mathematical Physics seminar, University of Geneva
March 2022	Bern-Fribourg graduate seminar

SCIENTIFIC ACTIVITES

Reviewer for: Electronic Communications in Probability.

TEACHING ACTIVITIES

Teaching assistant at the university of Fribourg   2020–
Full teaching load, corresponding to 96 hours/year. In charge of the exercises sessions for the following courses:

- Linear Algebra I and II (first year course)

- Algebra and Geometry I and II (second year course)

- Introduction to probability theory (second year course)

Volunteer teaching in a non-profit organization   2017–2018
Association Talens, Paris
Mathematics and Physics courses to High School students with an underprivileged background.

"Colleur" (oral examinator)   2016–2018
Lycée Louis le Grand preparatory classes
MPSI class

ORGANIZATIONAL RESPONSIBILITIES

2023   Co-organizer of the CUSO graduate colloquium (seminar gathering PhD students of Western Switzerland)

2022–   Founder and organizer of the Young Swiss Probabilists Meeting (semiannual gathering between PhD and Post-Doctoral students in probability-related fields, with talks and informal discussions)

VISITS AND INVITATIONS

November 2023   Short-term (1 week) visit in LPSM, Paris. Invited by Pr. Piet Lammers