

Krzysztof SMUTEK

Professional Experience

Doctoral Researcher, University of Luxembourg
Research: Probability Theory and Mathematical Physics.

10/2020–09/2024

Papers

Fluctuations of the Nodal Number in the Two-Energy Planar Berry Random Wave Model, arXiv:2402.18219, accepted for publication in the Latin American Journal of Probability and Mathematical Statistics (ALEA).

Teaching

Complex Analysis, University of Luxembourg
Fourier Analysis, University of Luxembourg
Linear Algebra, University of Luxembourg

2020, 2021
2022, 2023
2023

Education

PhD in Probability, University of Luxembourg (Thesis defence: December 2024)
Dissertation: High-Frequency Statistics of Smooth Gaussian Random Waves
Supervisor: Prof. Giovanni Peccati

Master 2 Mathématiques Appliquées et Théoriques, Université Paris-Dauphine 2019
Thesis: Transport optimal appliqué aux inégalités socio-économiques
Supervisor: Prof. François Bolley

Bachelor of Science in Mathematics, University of Warsaw 2016
Thesis: Exchangeability
Supervisor: Prof. Piotr Miłoś

Scholarships & Awards

- Kovalevskaya Grant (unclaimed), International Congress of Mathematicians, St. Petersburg 2021
- Travel Grant, Science Polish Perspectives, Cambridge, UK 2019
- Travel Grant, ACM Conference on Fairness, Accountability and Transparency, Barcelona 2019
- Foundation Sciences Mathématiques de Paris, Master Scholarship 2018
- Erasmus+ Scholarship, Université Paris-Dauphine 2017
- Rector's Scholarship, University of Warsaw, top 7% of students 2017

Invited Speaker

INdAM Workshop: Analysis and Geometry of Random Fields, Rome, 2024
The L^2 Workshop in Probability and Statistics, Metz, 2023

Other

Nationality: Poland,

Languages: English (C1), French (B2), Polish (Native)

Leadership: Founding Project Leader, ML in PL Conference, Warsaw
conference.mlinpl.org

2017

Referees

Prof. Dr. Giovanni Peccati
University of Luxembourg
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