

# Krzysztof SMUTEK

## Professional Experience

**Doctoral Researcher**, University of Luxembourg 10/2020–09/2024  
Research: Probability Theory and Mathematical Physics.  
Teaching: Linear Algebra, Fourier Analysis, Complex Analysis.  
Publications: *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).

### Internships in Finance

*PKO BP TFI & ING TFI (Mutual Investment Funds), Santander Bank* 6 months (2013–2016)

- Financial Analysis
- Risk Management

## Education

**PhD in Probability**, University of Luxembourg 2024  
*Dissertation:* High-Frequency Statistics of Smooth Gaussian Random Waves  
*Supervisor:* Prof. Giovanni Peccati

**Master 2 Mathématiques Appliquées et Théoriques**, Université Paris-Dauphine 2019

**Bachelor of Science in Mathematics**, University of Warsaw 2016

## 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

## Other

**Nationality:** Poland,

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

**Tools:** Basic knowledge of LaTeX, R, Python, VBA, Git, algorithms etc.

**Community Service:** Member of the Working Group on the National AI strategy, Ministry of Digital Affairs of the Republic of Poland 2018

**Leadership:** Founding Project Leader, ML in PL Conference, Warsaw conference.mlinpl.org 2017

**Proofreading:** the *Introduction to Quantum Field Theory for Mathematicians* 2016-2019  
volunteer activity undertaken with the guidance of the author – prof. Michel Talagrand