

# Krzysztof SMUTEK

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languages: Polish (native), English (fluent), French (intermediate)

## Education

PhD in Mathematics, University of Luxembourg Supervisor: Prof. Giovanni Peccati Dissertation: High-Frequency Statistics of Smooth Gaussian Random Waves <a href="https://hdl.handle.net/10993/63749">https://hdl.handle.net/10993/63749</a>	2024
Master 2 Mathématiques Appliquées et Théoriques, Université Paris-Dauphine Bachelor of Science in Mathematics, University of Warsaw	2019 2016

## 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

I was a teaching assistant responsible for tutorials (90 min/week, in english) for the following courses at the University of Luxembourg:

Complex Analysis, <i>lecturer prof. Sarah Scherotzke, 4th semester of BSc in Mathematics</i>	2021, 2022
Fourier Analysis, <i>lecturer prof. David Fernández, 5th semester of BSc in Physics</i>	2021, 2022
Linear Algebra, <i>lecturer prof. Gabor Wiese, 2nd semester of BSc in Mathematics</i>	2023

## Invited Talks

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

## Scholarships

• Kovalevskaya Grant (unclaimed), International Congress of Mathematicians, St. Petersburg	2021
• Travel Grant, ACM Conference on Fairness, Accountability and Transparency, Barcelona	2019
• Foundation Sciences Mathématiques de Paris, Master Scholarship	2018
• Rector's Scholarship, University of Warsaw, top 7% of students	2017

## Referees

Prof. Dr. Giovanni Peccati  
University of Luxembourg, Luxembourg  
giovanni.peccati@uni.lu

Prof. Dr. Anna Paola Todino  
Università del Piemonte Orientale, Italy  
annapaola.todino@uniupo.it

Prof. Dr. David Fernández  
Polytechnic University of Madrid, Spain  
david.fernandezalv@upm.es  
(concerns teaching)