

PAVLOS ZOUBOULOGLOU

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EDUCATION

Doctoral student , UNC Chapel Hill, Statistics and Operations Research Advisor: Amarjit Budhiraja	August 2019 - May 2024
B.Sc. in Mathematics , University of Athens (NKUA), GPA: 8.51/10	September 2014 - June 2019
Study Abroad in Mathematics , TU Berlin GPA: 1.43/1.00	April 2018 - August 2018
Study Abroad in Computational Mathematics , ERAU GPA: 4.00/4.00	August 2017 - December 2017
Minor in Political Science , Deree GPA: 3.78/4.00	September 2015 - December 2017

PROFESSIONAL EXPERIENCE

Postdoctoral fellow (Cluster of Excellence) , University of Münster Institute for Mathematical Stochastics, Department of Applied Mathematics Mentor: Chiranjib Mukherjee	August 2024 - Present
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PUBLICATIONS AND PREPRINTS

1. **“Scaling limits for sample autocovariance operators of Hilbert space-valued linear processes”**, with Marie-Christine Düker. *Preprint*, 2025.
2. **“Breuer-Major Theorems for Hilbert Space-Valued Random Variables”**, with Marie-Christine Düker. *Preprint*, 2024.
3. **“Large Deviations for Empirical Measures of Self-Interacting Markov Chains”**, with Amarjit Budhiraja and Adam Waterbury. *Stochastic Processes and Their Applications*, 186 (2025), 104640.
4. **“Cyclical Long Memory: Decoupling, Modulation, and Modeling”**, with Stephanos Kechagias and Vladas Pipiras. *Stochastic Processes and Their Applications*, 175 (2024), 104403.
5. **“Large Deviations for Small Noise Diffusions Over Long Time”**, with Amarjit Budhiraja. *Transactions of the American Mathematical Society, Series B* 11 (2024), 1-63.
6. **“Scaled Torus Principal Component Analysis”**, with Eduardo García Portugués and J S Marron. *Journal of Computational and Graphical Statistics*, 32:3 (2023), 1024-1035.
7. **“Cyclical Long Memory in Ship Motions at Non-Zero Speed”**, with Vladas Pipiras and Themistoklis Sapsis. *Proceedings of the 18th International Ship Stability Workshop (2022)*, 297-306.

TRAININGS AND CONFERENCES WITH CONTRIBUTED TALKS AND POSTERS

53rd Probability Summer School Université Clermont Auvergne	Saint-Flour (FR), July 2025
World Congress in Probability and Statistics Bernoulli-IMS	Bochum (GE), August 2024
Summer School: PDEs and Randomness University of Maryland	College Park (MD), August 2024
Seminar on Stochastic Processes Rice University	Houston (TX), March 2024
Northeast Probability Conference New York University	New York City (NY), November 2023
Stochastic Analysis, Random Fields, and Applications Michigan State University August 2023	East Lansing (MI),
Frontiers in Stochastic Analysis University of Illinois Chicago	Chicago (IL), August 2023
51st Probability Summer School Université Clermont Auvergne	Saint-Flour (FR), July 2023
Southeastern Probability Conference I Duke University	Durham (NC), May 2023

Seminar on Stochastic Processes	University of Arizona	Tucson (AZ), March 2023
Graduate Students Conference in Probability	UW-Madison	Madison (WI), September 2022
Brazilian School of Probability		Campinas (BR), August 2022
Summer School in Levy Processes	NTUA	Athens (GR), July 2019

INVITED TALKS

Friedrich-Alexander Universität	Erlangen (GE), June 2024
Università di Pisa	Pisa (IT), June 2023
One World Dynamics Seminar	Zoom, March 2023
UNC STOR Graduate Student Seminar	Chapel Hill (NC), October 2021 and September 2022

AWARDS AND SCHOLARSHIPS

1. **Young Mathematicians Conference Network Fund**, Department of Mathematics Münster (in support of organizing the event “Summer School in Interacting Random Systems”) 20000 (in €)
2. **Internationalization Fund**, University of Münster (in support of organizing the event “Summer School in Interacting Random Systems”) 3200 (in €)
3. **Student Success Ambassador Award**, Graduate School (UNC)
4. **M. R. Leadbetter Graduate Student Excellence Award**, Dept. of Statistics and OR
5. **2023-24 Dissertation Completion Fellowship**, Graduate School, UNC 22000 (in \$)
6. **2022 Summer Research Fellowship**, Graduate School, UNC 5000 (in \$)
7. **Erasmus Study Abroad Scholarship**, Erasmus+ through NKUA, 2018 2250 (in €)
8. **Full Study Abroad Scholarship**, Stavros Niarchos Foundation and Deree, 2017 7950 (in €)
9. **Scholarship for Minor Certificate**, Stavros Niarchos Foundation, 2015 1400 (in €)

TECHNICAL SKILLS

Technical LaTeX, R, Matlab

PROFESSIONAL ACTIVITIES

- Main organizer of a week-long event in Münster: “Summer School in Interacting Random Systems” June 2025
- STEM Pride of the Triangle Board Member, UNC August 2023 - May 2024
- STOR-Biostatistics student liaison, UNC June 2023 - May 2024
- Graduate Student Seminar Co-Organizer, UNC August 2021 - May 2024
- Graduate and Professional Student Federation Senator, UNC September 2021 - August 2022