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

PUBLICATIONS AND PREPRINTS

1. **"Breuer-Major Theorems for Hilbert Space-Valued Random Variables"**, *with Marie-Christine Düker. Submitted, 2024.*

2. **"Large Deviations for Empirical Measures of Self-Interacting Markov Chains"**, *with Amarjit Budhiraja and Adam Waterbury. Submitted, 2023.*

3. **"Cyclical Long Memory: Decoupling, Modulation, and Modeling"**, *with Stephanos Kechagias and Vladas Pipiras. Stochastic Processes and Their Applications, 175 (2024), 104403.*

4. **"Large Deviations for Small Noize Diffusions Over Long Time"**, *with Amarjit Budhiraja. Transactions of the American Mathematical Society, Series B 11 (2024), 1-63.*

5. **"Scaled Torus Principal Component Analysis"**, *with Eduardo García Portugués and J S Marron. Journal of Computational and Graphical Statistics, 32:3 (2023), 1024-1035.*

6. **"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

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	East Lansing (MI), August 2023
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

Summary 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. **Student Success Ambassador Award**, Graduate School (UNC)

2. **M. R. Leadbetter Graduate Student Excellence Award**, Dept. of Statistics and OR

3. **2023-24 Dissertation Completion Fellowship**, Graduate School, UNC   22000 (in $)

4. **2022 Summer Research Fellowship**, Graduate School, UNC   5000 (in $)

5. **Erasmus Study Abroad Scholarship**, Erasmus+ through NKUA, 2018   2250 (in €)

6. **Full Study Abroad Scholarship**, Stavros Niarchos Foundation and Deree, 2017 7950 (in €)

7. **Scholarship for Minor Cerificate**, Stavros Niarchos Foundation, 2015   1400 (in €)

TECHNICAL SKILLS

Technical   LaTeX, R, Matlab

PROFESSIONAL ACTIVITIES

- 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