

PAVLOS ZOUBOULOGLOU

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EDUCATION

Doctoral student, UNC Chapel Hill, Statistics and Operations Research August 2019 - May 2024 (expected)
Advisor: Amarjit Budhiraja
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

PUBLICATIONS AND PREPRINTS

1. “**Cyclical Long Memory: Decoupling, Modulation, and Modeling**”, with Stephanos Kechagias and Vladas Pipiras. *Preprint*, 2023.
2. “**Large Deviations for Empirical Measures of Self-Interacting Markov Chains**”, with Amarjit Budhiraja and Adam Waterbury. *Submitted*, 2023.
3. “**Large Deviations for Small Noise Diffusions Over Long Time**”, with Amarjit Budhiraja. *Transactions of the American Mathematical Society (to appear)*, 2023.
4. “**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.
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.

WORKING DOCUMENTS

1. “**Large Deviations for Empirical Measures of Self-Interacting Processes with Compact State Space**”, with Amarjit Budhiraja and Adam Waterbury, *Working draft*.
2. “**Berry-Esseen-Breuer-Major Theorem for Hilbert space valued random variables**”, with Marie-Christine Düker, *Late state draft*.

TRAININGS AND CONFERENCES WITH CONTRIBUTED TALKS

Northeast Probability Conference New York University New York (NY), November 2023
Stochastic Analysis, Random Fields, and Applications Michigan State University Michigan (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
Summer School in Levy Processes NTUA Athens (GR), July 2019

INVITED TALKS

Università di Pisa

June 2023

One World Dynamics Seminar

March 2023

UNC STOR Graduate Student Seminar

October 2021 and September 2022

AWARDS AND SCHOLARSHIPS

1. **M. R. Leadbetter Graduate Student Excellence Award**, Dept. of Statistics and OR
2. **2023-24 Dissertation Completion Fellowship**, Graduate School, UNC 22000 (in \$)
3. **2022 Summer Research Fellowship**, Graduate School, UNC 5000 (in \$)
4. **Erasmus Study Abroad Scholarship**, Erasmus+ through NKUA, 2018 2250 (in €)
5. **Full Study Abroad Scholarship**, Stavros Niarchos Foundation and Deree, 2017 7950 (in €)
6. **Scholarship for Minor Certificate**, Stavros Niarchos Foundation, 2015 1400 (in €)

TECHNICAL SKILLS

Technical LaTeX, R, Matlab

EXTRACURRICULAR ACTIVITIES

- STEM Pride of the Triangle Board Member August 2023 - Present
- STOR-Biostatistics student liaison, UNC June 2023 - Present
- Graduate Student Seminar Co-Organizer, UNC August 2021 - Present
- Graduate and Professional Student Federation Senator, UNC September 2021 - August 2022