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Academic degrees

- 2022. Ph.D. in Mathematics, University of Kansas. Advisor: David Nualart.
- 2018. M.A. in Mathematics, University of Kansas.
- 2016. M.S. in Mathematics, Boğaziçi University. Advisor: Tuğrul Burak Gürel.
- 2014. B.S. in Mathematics, honors, Boğaziçi University.

Academic employment

- 2022 Visiting Assistant Professor, University of Rochester.
- 2016 2022. Graduate Research and Teaching Assistant, University of Kansas.
- 2014 2016. Teaching Assistant, Boğaziçi University.

Research interests

Stochastic Analysis, Stochastic Partial Differential Equations, Malliavin Calculus

Publications

- 5. On the radius of self-repellent fractional Brownain motion. (Joint with Le Chen, Carl Mueller and Panqiu Xia.) Submitted.
- 4. Convergence of densities of spatial averages of the parabolic Anderson model driven by colored noise. (Joint with David Nualart.) *Stochastics*, to appear.
- 3. Convergence of densities for the stochastic heat equation. (Joint with David Nualart.) Stochastic Processes and Applications, **37** (2022) pp. 68–100.
- 2. Feynman-Kac formula for iterated derivatives of the parabolic Anderson model. (Joint with David Nualart.) *Potential Analysis*, **59** (2023), no. 2 pp. 651–673.
- 1. Rate of Convergence in the Breuer-Major Theorem via Chaos Expansions. (Joint with David Nualart.) Stochastic Analysis and Applications, 37 (2019), no 6, pp. 1057–1091.

Honors, awards and fellowships

- 2023. AWM/NSF Travel Grant¹.
- 2021. Charles J. and Mary Pat Himmelberg Graduate Student Award, University of Kansas.
- 2020 & 2021. Graduate Student Summer Research Scholarship, University of Kansas.
- 2018 & 2019. Joan Kirkham Summer Scholarship, University of Kansas.
- 2016. Gülnihal Yücel Teaching Award, Boğaziçi University.
- 2014. First Ranking Student in Mathematics, Boğaziçi University.
- 2014. Cahit Arf Fellowship, Turkish Mathematical Society.

Research talks and poster presentations

- 11/2023. Speaker at 14th Symposium on Probability and Stochastic Processes, Center of Research in Mathematics (CIMAT), Guanajuato, Mexico.
- 07/2023. Speaker at 51th Saint-Flour Probability Summer School, Saint-Flour.
- 06/2023. Turkish Mathematical Society's Meeting for Young Mathematicians, Nesin Mathematics Village, Türkiye.
- 01/2023. Speaker at Mathematics Seminar, Koç University, Türkiye.
- 11/2022. Speaker at Penn/Temple Probability Seminar, Temple University.
- 09/2022. Speaker at Probability, Ergodic Theory, Mathematical Physics Seminar, University of Rochester.
- 04/2022. Speaker at Kansas Math Graduate Student Conference, Kansas State University.
- 12/2021. Speaker at the Applied Analysis Seminar, Max Planck Institute for Mathematics in the Sciences, Leipzig.
- 12/2021. Speaker at the short talks session of Frontier Probability Days, University of Nevada.
- 11/2021. Speaker at the Applied Mathematics and Modeling Group Seminar, University of Vienna.
- 10/2021. Speaker at the contributed talks session of Workshop: Junior Female Researchers in Probability, Berlin/online.
- 08/2021. Speaker at NSF/CBMS Conference: Gaussian Random Fields, Fractals, SPDEs, and Extremes, University of Alabama in Huntsville.
- 06/2021. Speaker at the PhD Session of Summer School: Young Researchers between Geomerty and Stochastic Analysis, online.
- 06/2021. Speaker at the Math Grad Seminars, Boğaziçi University, Türkiye.

¹Declined in favor of re-applying for a different occasion.

- 08/2020. Pre-recorded talk at Bernoulli-IMS One World Symposium, online.
- 11/2019. Speaker at Graduate Student Probability Seminar, University of Kansas.
- 10/2019. Speaker at Probability & Statistics Seminar, University of Kansas.

Other workshop/school participation

- 06/2023. International Conference on Malliavin Calculus and Related Topics celebrating the work of David Nualart and Anton Thalmaier, University of Luxembourg.
- 05/2023. PDEs and Randomness Summer School, Max Planck Institute for Mathematics in the Sciences, Leipzig.
- 10/2022. Random Media & Large Deviations Conference in honor of Ofer Zeitouni's 60th Birthday, Courant Institute of Mathematical Sciences.
- 10/2022. Probabilistic Methods in Geometry and Analysis, The Institute for Computational and Experimental Research in Mathematics (ICERM).
- 06/2022. PIMS IFDS NSF Summer School on Optimal Transport, University of Washington, Seattle.
- 05/2022. PDE and Randomness, Centre de recherches mathématiques (CRM)/online.
- 03/2022. Interacting Particle Systems and Hydrodynamic Limits, CRM/online.
- 09/2021. Bath Mathematical Symposium on PDE and Randomness, online.
- 06/2021. SPDE & Friends, online.
- 05/2021. Summer Program in Partial Differential Equations, University of Texas at Austin/online.
- 07/2020. Summer School on PDE and Randomness, online.
- 10/2019. Hamiltonian Systems I, Mathematical Sciences Research Institute.
- 07/2018. Harmonic Analysis Summer School, Park City Mathematics Institute (PCMI).
- 06/2016. 3rd Ankara-Istanbul Workshop on Stochastic Processes, Middle East Technical University.

Teaching experience

University of Rochester

Instructor: Calculus II (Fall 2022, Spring 2023, Fall 2023, Spring 2024), Introduction to Probability (Fall 2022), Introduction to Financial Mathematics (Spring 2023, Fall 2023), Stochastic Processes (Spring 2024)

University of Kansas

Coordinator: Precalculus (Spring 2020)

Instructor: Precalculus (Fall 2017), Business Calculus (Fall 2016, Spring 2017 & 2019), Calculus II (Summer 2017)

Assistant: Calculus II for Honors (Spring 2018 & 2021), Calculus III (Fall 2018 & 2019)

Grader: Probability (Graduate, Fall 2021), Statistics (Graduate, Spring 2020), Time Series (Spring 2019)

Boğaziçi University

Instructor: Differential Equations (Synchronous online, Summer 2020), Matrix Theory (Summer 2019)

Assistant: Calculus (Fall 2015), Vector Calculus (Spring 2015), Calculus I for Mathematics Majors (Fall 2015), Calculus II for Mathematics Majors (Spring 2016), Matrix Theory (Summer 2015), Differential Equations (Fall 2014)

Turkish Mathematical Society Summer School, Feza Gürsoy Institute

Assistant: Real Analysis (Summer 2016)

Other talks and presentations

- 07/2022. Speaker at Lightning Talks Session: A brief overview of SPDEs, Directed Reading Program Türkiye, online.
- 02/2022. Speaker at Graduate Student Seminar on Academic Job Search, University of Kansas.
- 02/2021. Panelist at Association for Women in Mathematics Seminar: *Teaching Matters*, University of Kansas.
- 02/2020. Panelist at Association for Women in Mathematics Student Chapter Meeting:

 Life as a Mathematics Graduate Student, University of Kansas.

Service and outreach

- 2023 Co-founder, co-organizer, Mathematics Support Platform Türkiye.

 (Founded for alleviating the impacts of the 2023 major earthquake on education.)
- 2023 Scientific committee member and mentor, Directed Reading Program Türkiye.
- 2021 2022. Co-founder, co-organizer and mentor, Directed Reading Program Türkiye.
- 2020 2022. Co-founder, graduate mentor, University of Kansas Student Chapter of the American Mathematical Society Mentoring Program.
- 2019 2022. Volunteer, University of Kansas April Math Awareness Month activities.
- 2018 2022. Co-founder, co-organizer, University of Kansas Graduate Student Probability Seminar.
- 2020 2021. President, University of Kansas Student Chapter of the Association for Women in Mathematics.
- 2019 2020. Vice President, University of Kansas Student Chapter of the American Mathematical Society.
- 2018 2019. Secretary, University of Kansas Student Chapter of the American Mathematical Society.
- 2018 2019. Leader, University of Kansas Student Chapter of the American Mathematical Society probability & analysis qualifying exam study group.

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