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Academic degrees

Expected 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: Burak Gürel.

2014. B.S. in Mathematics, honors, Boğaziçi University.

Academic employment

2016-2022. Research and Teaching Assistant, University of Kansas.

2014-2016. Teaching Assistant, Boğaziçi University.

Research interests

Stochastic Analysis, Stochastic Partial Differential Equations, Malliavin Calculus

Publications

3. S. Kuzgun and D. Nualart, Convergence of densities for the stochastic heat equation, *submitted*. Arxiv link
2. S. Kuzgun and D. Nualart, Feynman-Kac formula for iterated derivatives of the parabolic Anderson model, *submitted*. Arxiv link
1. S. Kuzgun and D. Nualart, Rate of Convergence in the Breuer-Major Theorem via Chaos Expansions, *Stochastic Analysis and Applications*, **37** (2019), no 6, pp. 1057–1091. Arxiv link
doi:10.1080/07362994.2019.1640613

Honors, awards and fellowships

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

January 2022. Joint Mathematics Meetings, AWM Poster Session.

October 2021. Workshop: Junior Female Researchers in Probability, Berlin/online.

August 2021. NSF/CBMS Conference: Gaussian Random Fields, Fractals, SPDEs, and Extremes, University of Alabama in Huntsville.

June 2021. Summer School: Young Researchers between Geometry and Stochastic Analysis, online.

June 2021. Math Grad Seminars, Boğaziçi University.

August 2020. Bernoulli-IMS One World Symposium, online.

March 2020. Seminar on Stochastic Processes, Michigan State University.

November 2019. Graduate Student Probability Seminar, University of Kansas.

October 2019. Probability&Statistics Seminar, University of Kansas.

Other workshop participation

September 2021. Bath Mathematical Symposium on PDE and Randomness, online.

June 2021. SPDE&Friends, online.

May 2021. Summer Program in Partial Differential Equations, University of Texas at Austin, online.

July 2020. Summer School on PDE and Randomness, online.

October 2019. Hamiltonian Systems I, Mathematical Sciences Research Institute.

July 2018. Harmonic Analysis Summer School, Park City Mathematics Institute.

June 2016. 3rd Ankara-Istanbul Workshop on Stochastic Processes, Middle East Technical University.

Teaching experience

University of Kansas

Coordinator: Precalculus (Spring 2020)

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

Teaching 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)

Bogaziçi University

Instructor: Differential Equations (Hybrid Online, Summer 2020), Matrix Theory (Summer 2019)

Teaching 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)

Student Assistant: Calculus I&II for Mathematics Majors (Spring 2014)

Turkish Mathematical Society Summer School, Feza Gürsoy Institute

Teaching Assistant: Real Analysis (Summer 2016)

Service and outreach

2021-present. Co-founder, co-organizer and mentor, Directed Reading Program Turkey.

2018-present. Co-founder, co-organizer, Graduate Student Probability Seminar.

2020-present. Co-founder, graduate mentor, University of Kansas Student Chapter of the American Mathematical Society mentoring program.

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.

2019. Leader, University of Kansas Student Chapter of the American Mathematical Society probability qualifying exam study group.

2018. Leader, University of Kansas Student Chapter of the American Mathematical Society analysis qualifying exam study group.

Last updated: September 30, 2021