Hai Le

PhD Student

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EDUCATION

Pennsylvania State University — **State College, PA**
Ph.D. in Mathematics. Advisor: Alexei Novikov — *2016–Present*

University of Texas at San Antonio — **San Antonio, TX**
B.S. in Mathematics — *2012–2016*

RESEARCH INTERESTS

- Partial Differential Equations, Probability, Stochastic Processes.

RESEARCH EXPERIENCE

Estimating Empirical Measures in Many Particle Systems — **Penn State**
Research Project — *Summer 2017*

- Advised by Prof. Mykhailo Potomkin, Penn State. Supported by an NSF grant of Prof. Leonid Berlyand, Penn State. The goal of the project is to approximate empirical measures of interacting particle systems with random initial data in Wasserstein metrics in order to reduce computational complexity of solving the corresponding mean field Vlasov equations.

TEACHING EXPERIENCE

MATH 22 College Algebra II (Penn State) — *Spring 2018*

MATH 22 College Algebra II (Penn State) — *Fall 2017*

CONFERENCES AND SUMMER SCHOOLS

Probability Summer School (SNAP), *Northwestern University* — *July 16–28, 2018*

Random Matrix Summer School, *University of Michigan* — *June 18–29, 2018*

Summer School on Random Media, *Colorado State University* — *May 21–25, 2018*

IPAM Workshops on Random Matrices and Free Probability Theory, *UCLA* — *May 14–18, 2018*

Seminar in Stochastic Processes (SSP), *Brown University* — *May 9–12, 2018*

IAS/PCMI Graduate Summer School on Random Matrices — *June–July 2017*

PIMS Summer School on Rigorous Computing, *Simon Fraser University* — *June 7–27, 2015*

IAS/PCMI Undergraduate Summer School on Mathematics and Materials — *June–July 2014*

HONORS AND AWARDS

Graduate

Jack and Eleanor Pettit Scholarship from the Eberly College of Science — *2017*

Vollmer-Kleckner Scholarship from the Eberly College of Science — *2016*

Undergraduate

University Life Award for Most Outstanding Undergraduate in Sciences — *2015*

College of Sciences' Dean's Fund for Excellence Award — *2014, 2015*

Peter T. Flawn Presidential Honors Endowed Scholarship — *2015*

William Lowell Putnam Mathematical Competition, Top 200 — *2014*

Honors Dean's Scholarship — *2012–2016*

Third Prize, Vietnam Mathematical Olympiad — *2012*

Talks

Probability and Financial Mathematics Seminar, *Penn State* — *February, 2019*

Student-Directed Colloquium, *Penn State* — *March, 2019*

COMPUTER SKILLS

- LaTeX, MATLAB, HTML/CSS.