

Gyu Eun Lee

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Born: March 18, 1993—Republic of Korea
Nationality: US Citizen

Current position

Ph.D. student in Mathematics, University of California, Los Angeles

Research interests

Harmonic analysis • Dispersive PDEs • Mathematical physics

Education

8.2015-present PH.D. in Mathematics, UCLA. Advisors: Rowan Killip & Monica Viřan
9.2011-5.2015 B.S. in Mathematics with minor in Physics, Rutgers University.

Professional activity

PAPERS & PREPRINTS

2019 *Local wellposedness for the critical nonlinear Schrödinger equation on \mathbb{T}^3* , Discrete Contin. Dyn. Syst., **39** (2019) no. 5, 2763-2783.

TALKS

December 2018 *Relativistic effects in structural chemistry*, GSO Seminar, UCLA
November 2018 *Norm inflation for the cubic NLS on \mathbb{R}* , Participating Analysis Seminar, UCLA
November 2017 *Gibbs measure for NLS on the line*, Participating Analysis Seminar, UCLA
November 2017 *Linear scattering theory*, GSO Seminar, UCLA
April 2017 *L^4 and L^6 Strichartz estimates on the torus*, Participating Analysis Seminar, UCLA
January 2017 *Stability of Matter*, GSO Seminar, UCLA

CONFERENCES/WORKSHOPS ATTENDED

April 2018 Rivière-Fabes Symposium, University of Minnesota
September 2017 Hausdorff School: Dispersive Equations, Solitons, and Blow-up, Hausdorff Center for Mathematics
August 2017 Focus Program on Nonlinear Dispersive Partial Differential Equations and Inverse Scattering, Fields Institute

April 2017 Rivière-Fabes Symposium, University of Minnesota
June 2016 Third Chicago Summer School in Analysis, University of Chicago

SERVICE

6.2018 - present Organizer and mentor, [UCLA Directed Reading Program](#)

Undergraduate activity

RESEARCH

Summer 2014 [2014 Mathematics REU](#), Rutgers University. Advisor: Anders Buch
Summer 2013 [2013 Mathematics REU](#), Rutgers University. Advisor: Feng Luo

TALKS

March 2015 *Periodic solutions of quasi-linear ODEs via degree theory*, Graduate Student Analysis Seminar, Rutgers University
April 2014 *Homology and degree theory in non/quasi-linear analysis*, 2014 Project AGER Undergraduate Research Symposium, Rutgers University
Fall 2013 *Topological degree theory: finite-dimensional case, applications, and generalizations*, Student presentation session for Fall 2013 Directed Reading Program in Mathematics, Rutgers University
June 2013 *Topology in a Nutshell*, for Upward Bound visiting students at DIMACS REU 2013, Rutgers University

CONFERENCES/WORKSHOPS ATTENDED

January 2014 2014 Joint Mathematical Meetings, Baltimore
October 2013 Mathematical Association of America - New Jersey Sectional Meeting, Rutgers University

SERVICE

5.2013 - 5.2015 President, Rutgers Undergraduate Mathematics Association

HONORS & AWARDS

2015 Joseph P. Bradley Memorial Prize in Mathematics, Rutgers University
2014 Weill Scholarship in Mathematics, Rutgers University
2013 Henry G. Sanders 1925 Memorial Scholarship in Mathematics, Rutgers University
2012 John Bogart Prize in Mathematics, Rutgers University

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