Jin Du

Personal Information

Email: jdu8@uic.edu
Citizenship: USA

Doctoral Thesis

Title: Scales, Diamond and the Strong Tree Property
Advisor: Dima Sinapova
Committee: Dima Sinapova, James Cummings, David Marker, John Baldwin, Sherwood Hachtman

Education

2018 **Ph.D., Mathematics**, *University of Illinois at Chicago*, Chicago.

2011 **MS, Mathematics**, *California Institute of Technology*, Pasadena.

2008 **BS, Mathematics (Magna Cum Laude)**, *University of California Los Angeles*, Los Angeles.

Research Interests

Mathematical logic: Large cardinals, forcing, singular combinatorics and descriptive set theory.

Papers and Preprints

Du, J., *The Strong Tree Property and Failure of SCH at the Successor of a Singular*, Submitted.
Du, J., *Diamond, Scales and GCH down to $\aleph_{\omega^2}$*, Published in Archive for Mathematical Logic: https://doi.org/10.1007/s00153-018-0633-4

Talks

Oct 2018	AMS Special Session: Large Cardinals and Combinatorial Set Theory	*U Michigan*
April 2018	Grad Student Conference in Logic	*UW Madison*
Jan 2018	AMS Contributed Paper Session on Logic and Set Theory	*San Diego*
Sept 2017	UIC Logic Seminar	*UIC*
April 2017	Grad Student Conference in Logic	*UIUC*
Sept 2016	Set Theory Seminar	*UIC*

Conferences

Fall 2018	AMS Sectional Meeting	*U Michigan*
Summer 2018	Appalachian Set Theory Workshop	*CMU*
Spring 2018	Grad Student Conference in Logic	*UW Madison*

Spring 2018	Joint Mathematics Meeting	*San Diego*
Spring 2017	Grad Student Conference in Logic	*UIUC*
Spring 2017	Very Informal Gathering	*UCLA*
Spring 2017	Appalachian Set Theory Workshop	*CMU*
Fall 2016	Set theory workshop	*UIC*
Summer 2016	Graduate summer school in set theory	*UCI*
Spring 2016	Appalachian Set Theory Workshop	*VCU*
Fall 2015	19th Midrasha Mathematicae	*Hebrew University of Jerusalem*
Summer 2015	Graduate summer school in set theory	*UCI*
Spring 2015	Appalachian Set Theory Workshop	*CMU*
Spring 2015	North American Meeting of the Association for Symbolic Logic	*UIUC*
Fall 2014	Appalachian Set Theory Workshop	*UIC*
Spring 2014	North American Meeting of the Association for Symbolic Logic	*CU Boulder*
Spring 2013	Grad Student Conference in Logic	*UIUC*

Honors and Awards

- Joint Mathematics Meeting 2018 Travel Award, $500
- ASL travel award 2014, $300
- UCLA Department of Mathematics Highest Honors

Teaching Experience

2012-2016	UIC	*TA*

Courses: Precalculus Mathematics, Calculus for Business, Calculus I, Calculus II, Calculus III

2008-2010	Caltech	*TA*

Courses: Calculus of One Variable, Linear Algebra, Calculus of Several Variables

Teaching-Related Experience

2016-2017	UIC	*Course Grader*

Courses: Applied Linear Algebra, Linear Algebra I, Computer Algorithms I

2013	UIC	*Math Learning Center Tutor*

Math Outreach Activities

Numerous times	Undergraduate Math Club Talk
Fall 2013	Volunteer Judge for QED Youth Math Symposium