

Josh Stangle

Curriculum Vitae

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Education

- 2017 **Ph. D. Mathematics**, *Syracuse University*, Syracuse, NY.
Advisor: Graham J. Leuschke
Thesis: The Representation Theory of Orders over Cohen-Macaulay Rings
- 2013 **M.S. Mathematics**, *Syracuse University*, Syracuse, NY.
- 2010 **B.S. Mathematics**, *University of Rochester*, Rochester, NY.

Employment

- 2017- **Assistant Professor**, *University of Wisconsin-Superior*, Superior, WI.
- 2010-2017 **Teaching Assistant**, *Syracuse University*, Syracuse, NY.
- 2008-2010 **Teaching Assistant**, *University of Rochester*, Rochester, NY.

Publications

- JS**, *Gorenstein and Totally Reflexive Orders*, *J. Algebra*, 477: 56-68, 2016.
(arXiv:1604.01748)
- JS**, *Auslander's Theorem and n -Isolated Singularities*, Submitted.

Selected Lectures

- 2020 **Mastery-Based Grading in Mathematics**, *Enhancement Day 2020*, University of Wisconsin - Superior, Superior, WI.
- 2019 **Auslander's Theorem and n -isolated Singularities**, *AMS Special Section*, University of Wisconsin, Madison, WI.
- 2018 **Newton Polygons: The Hunt for Roots**, *University of Minnesota - Duluth*, Undergraduate Colloquium, Duluth, MN.
- 2017 **Auslander's Theorem and Path Algebras**, *AMS Special Section*, College of Charleston, Charleston, SC.
- 2016 **Totally Reflexive and Gorenstein Orders**, *AMS Special Section*, University of Denver, Denver, CO.
Orders and Non-commutative Crepant Resolutions, *XXVIII Meeting on Representation Theory of Algebras*, Sherbrooke University, Sherbrooke, QC Canada.
Orders and Non-commutative Crepant Resolutions, *International Conference on the Representations of Algebras*, Syracuse University, Syracuse, NY.
Gorenstein Algebras over non-Gorenstein rings, *Mathematics Graduate Organization Conference*, Syracuse University, Syracuse, NY.

Selected Conferences and Workshops Attended

- 2020 **Matery-Based Grading Conference**, *Grand Valley State University*, Virtual.
- 2019 **Project NExT**, *Joint Mathematics Meetings*, Baltimore, MD.
Project NExT, *MAA Mathfest*, Cincinnati, OH.
AMS Central Sectional Meeting, *Madison, WI*.
- 2018 **Project NExT**, *MAA Mathfest*, Denver, CO.
NXP Technology Days, *Minneapolis, MN*.
TI Tech Days, *St. Paul, MN*.
- 2017 **Workshop on Local Cohomology**, *University of Minnesota*, Minneapolis, MN.
- 2016 **Workshop on the Homological Conjectures in Commutative Algebra**, *University of Illinois at Chicago*, Chicago, IL.
AMS Special Section on Quantum Algebra, *University of Denver*, Denver, CO.
XXVIII Meeting on Representation Theory of Algebras, *Sherbrooke University*, Sherbrooke, QC Canada.
Annual Rte. 81 Algebraic Geometry and Commutative Algebra Conference, *Syracuse University*, Syracuse, NY USA.
International Conference on the Representations of Algebras, *Syracuse University*, Syracuse, NY USA.
Joint Mathematics Meeting, *Washington State Convention Center*, Seattle, WA USA.

Research Interests

- Commutative Algebra
- Defect Categories
- Alternative Grading Methods
- Representation Theory
- Noncommutative algebraic geometry
- Open Exducational Resources

Grants and Awards

- 2017 **All University Doctoral Award**, *University-wide award for excellence in Graduate research*, Syracuse University.
- 2017 **Kibbey Prize**, *Mathematics Department Award for Excellence in Graduate Program*, Syracuse University.
- 2017 **GSO Travel Grant**, *Grant to attend AMS Special Session in Charleston, SC*, March 2017.
- 2016 **AMS Travel Grant**, *Grant to attend AMS Special Session in Denver, CO*, October 2016.

Teaching

University of Wisconsin - Superior.

Calculus II, Calculus III, Probability, Statistics, Introduction to Contemporary Mathematics, Introduction to Computer Science, Introduction to Programming, Introduction to Abstract Mathematics, Special Topics: Abstract Algebra III, Special Topics: Machine Learning

Syracuse University.

Modern Elements of Mathematics, Calculus I, II, III.

Service

University Service, University of Wisconsin - Superior

- 2019- UAAC Representative
- 2020- Faculty Representative on Segregated University Fees Allocation Committee

Mathematics and Computer Science Department, University of Wisconsin-Superior

- 2017- Member of Developmental Math Committee
- 2017- Assessment Liaison for Mathematics Department
- 2018- Developmental Mathematics Committee
- 2018- Math Meet Committee
- 2019- Co-Organizer Twin Ports Area SK Day
- 2019- Department Outreach Committee

Mathematics Graduate Organization, Syracuse University

- 2015-2016 Graduate Student Senator, Mathematics Graduate Organization
- 2013-2015 Colloquium Organizer, Mathematics Graduate Organization

Graduate Student Organization, Syracuse University

- 2015-2017 Travel Grant Committee, Graduate Student Organization

Other

Referee for the following journals.

- Mediterranean Journal of Mathematics

Professional Memberships

- American Mathematical Society
- Mathematical Association of America
- Association for Women in Mathematics