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Jennifer Kenkel

Employment

University Research Postdoctoral Fellowship, *University of Kentucky*, Lexington, KY. 2019-2020
Postdoctoral Assistant Professor, *University of Michigan*, Ann Arbor, MI. 2020-present

Education

Ph.D., *University of Utah*, Salt Lake City, UT. August 2019
Bachelor of Arts, *Washington University in St. Louis*, St. Louis, *With Honors*. May 2013

Ph.D. thesis

Title: *Local Cohomology Modules of Thickenings*
Advisor: Anurag Singh

Talks

AMS Sectional Talks

“Construction of Local Cohomology Modules With an FI Structure.”, *Virtual*, Intended to take place at the University of Tennessee.. October 2020
“Construction of Local Cohomology Modules With an FI Structure.”, *Virtual*, Intended to take place at Pennsylvania State University. October 2020
“Local Cohomology of Thickenings.”, *Baltimore Convention Center*, Joint Mathematics Meeting.. January 2019
“Local Cohomology Modules of Determinantal Rings”, *University of Michigan*. October 2018
“Lengths of Local Cohomology Modules of Thickenings” , *Northeastern University* . April 2018
“Lengths of Local Cohomology Modules of Thickenings” , *Portland State University* . April 2018
“Local Cohomology of Thickenings”, *Washington State University*. April 2017

Other Conference Talks

“Local Cohomology of Thickenings on Sequences of Rings”, *A Virtual Online Conference*, CAZOOM. April 2020

“Local Cohomology of Thickenings on Sequences of Rings”, *Clemson University*, Algebra Seminar. April 2020

“Local Cohomology”, *University of Minnesota*, Graduate Workshop in Commutative Algebra for Women & Mathematicians of Other Minority Genders. April 2019

“Local Cohomology of Thickenings”, *University of Nebraska, Lincoln*, KUMUNU Jr. April 2017

Selected Utah Graduate Student Seminar Talks

“Constructing Arbitrary Torsion Elements for Local Cohomology Modules”. Spring 2018

“Stanley Reisner Rings”. Fall 2017

“Connectedness of Punctured Spectrum”. Spring 2017

Publications

Jennifer Kenkel, “*Isomorphisms Between Local Cohomology Modules As Truncations of Taylor Series*”, arXiv:2005.11898. 2020

Zhibek Kadyrsizova, Jennifer Kenkel, Janet Page, Jyoti Singh, Karen E. Smith, Adela Vraciu, Emily E. Witt, “*Cubic Surfaces of Characteristic Two*”, arXiv:2007.12018. 2020

Zhibek Kadyrsizova, Jennifer Kenkel, Janet Page, Jyoti Singh, Karen E. Smith, Adela Vraciu, Emily E. Witt, “*Extremal Singularities in Positive Characteristic*”, arXiv:2009.13679. 2020

Jennifer Kenkel and Kyle Maddox and Thomas Polstra and Austyn Simpson, “*F-nilpotent rings and permanence properties.*”, arXiv:1912.01150. 2020

Jennifer Kenkel, “*Lengths of Local Cohomology of Thickenings*”, arXiv:1912.02917. 2019

Madeline Brandt, William Dickinson, AnnaVictoria Ellsworth, Jennifer Kenkel, Hanson Smith, “*Optimal Packings of Two to Four Equal Circles on Any Flat Torus*”, arXiv:1708.05395. August 2017

Luca Weihs, Bill Robinson, Emile Dufresne, Jennifer Kenkel, Kaie Kubjas, Reginald L. McGee II, Nhan Nguyen, Elina Robeva, Mathias Drton, “*Determinantal Generalizations of Instrumental Variables*”, *Journal of Causal Inference*. February 2017

Teaching Experience

Linear Algebra, <i>Primary Instructor.</i>	Fall 2020
Teacher Training Facilitator, <i>Organized workshops for two-week long instructor training, gave feedback on practice lectures and assignments.</i>	August 2018
Math Center Tutor, <i>Tutored drop-in University of Utah students on topics from introductory to intermediate level undergraduate math classes .</i>	Fall 2013, Spring 2014, Fall 2015, Fall 2016
Discrete Math, <i>Primary Instructor.</i>	Summer 2018
Linear Algebra, <i>Primary Instructor.</i>	Summer 2017
Applied Statistics, <i>Primary Instructor.</i>	Fall 2016
Introduction to Statistics, <i>Primary Instructor.</i>	Fall 2015
Precalculus, <i>Primary Instructor.</i>	Fall 2014
Business Algebra, <i>Primary Instructor.</i>	Fall 2013, Spring 2014

Service

Organized Monthly Lunch Discussions on Gender and Academia.	Fall 2018
Helped Undergraduates with \LaTeX at a SIAM AWM \LaTeX workshop..	Fall 2018
University of Kentucky Math Club Talk.	Fall 2018
Undergraduate Student Orientations Math Talks.	Summer 2018
Participated in Women in Math Panel for the University of Utah ACCESS Program, <i>The ACCESS Program provides a supportive path for women in the sciences, starting with a summer long introduction to Science at the University of Utah..</i>	Summer 2018
AWM University of Utah Chapter Secretary.	2018-2019
SACNAS Poster presentation.	Fall 2017
Calculus Carnival Volunteer.	Fall 2017
Math Medley at the Leonardo Museum, <i>Spoke on "Local Cohomology" to a broad audience.</i>	Spring 2017
Graduate Student Advisory Committee Student Social Life Committee Chair.	2016-2019
Graduate Student Commutative Algebra Seminar Coordinator.	2016-2018
Graduate Student Advisory Committee Colloquium Chair.	2016-2017
Stirling Scholarship Judge.	February 2017, 2018
Science Day Volunteer.	Fall 2014

Awards

NSF Research Training Grant RTG-1246989 Fellowship, Fall 2016, Spring 2017, Spring 2018, Fall 2018
Approximately four geometry/topology students in the department receive RTG fellowships each academic year.

Mathematics Department Travel Award. Spring 2015

Undergraduate Research

Research Experience for Undergraduates, *Grand Valley State University*, Allendale, MI. Summer 2011

Research Experience for Undergraduates, *California State University Channel Islands*, Channel Islands, CA. Summer 2012

Mentoring Through Critical Transition Points, *Texas A&M*, College Station, TX. Summer 2013