## Joseph Randich

Contact Information	Department of University of O 601 Elm Avenu Norman, Oklah	Mathematics klahoma e oma 73019-3103	(815)543-2619 jmrandich@ou.edu http://www2.math.ou.edu/~jrandich/		
Education	University of Oklahoma				
	Ph.D. Candidate in Mathematics				
	• Advisor: Dr. Jonathan Kujawa				
	College of Charleston				
	M.S. in Mathematics, May 2015				
	<ul> <li>Thesis: Pants Decompositions of Surfaces</li> <li>Advisor: Dr. Andrew Przeworski</li> <li>B.A. in Mathematics, May 2013</li> <li>Institutional honors: Cum Laude</li> <li>Concentration in Pure Mathematics</li> <li>Minor in Physics</li> </ul>				
Graduate Coursework	<ul> <li>Real &amp; Complex Analysis</li> <li>Measure Theory</li> <li>Numerical Analysis</li> <li>Mathematical Statistics</li> <li>Partial Differential Equations</li> <li>Langland's Program</li> <li>Combinatorics</li> </ul>		<ul> <li>Topology &amp; Algebraic Topology</li> <li>Advanced Linear Algebra</li> <li>Algebra</li> <li>Applied Algebra</li> <li>Introduction to Cluster Algebras</li> <li>Representation Theory</li> <li>Lie Theory</li> </ul>		
Awards	2021 2020 2020 2019 2017 2017	Ellen and Conrad M Department of Defe Harold Huneke End Department of Math Provost's Certificate David C Steed A&S	Iasterson Fellowship Fund in Mathematics nse SMART Scholarship owed Scholarship nematics Summer Research Award e of Distinction in Teaching (Fall 2017) - SHS Scholarship		
Teaching	University of	Oklahoma			
Experience	Summer 2020	Lecturer, Calculus &	k Analytic Geometry IV		
	Spring 2020	Grader, Physical M	athematics & Discrete Mathematics		
	Fall 2019 Spring 2010	Lecturer, Calculus &	z Analytic Geometry I		
	$\begin{array}{c} \text{Spring}  2019 \\ \text{Fall}  2018 \end{array}$	Lecturer, Business C	Jaiculus I Critical Thinking		
	Summer 2018	Lecturer Business (	Calculus II		
	Spring 2018	Lecturer Business (	Calculus II		
	Fall 2017	Lecturer, Business (	Calculus I		
	Summer 2017	Lecturer, Business (	Calculus I		
	Spring 2017	Lecturer, College A	lgebra		
	Fall 2016	Lecturer, Business I	Pre-Calculus		
	College of Charleston				
	Spring 2016	Lecturer, Elementar	y Statistics		

TEACHING	IING College of Charleston		
Experience	Fall	2015	Lecturer, Elementary Statistics
Continued	Spring	2015	Lecturer, Contemporary Math and its Applications
	Fall	2014	Lecturer, Pre-Calculus
	Spring	2014	Teaching Assistant (to Dr. Elizabeth Jurisich), Introduction to Ad-
	Fall	2013	vanced Mathematics Teaching Assistant (to Dr. Renling Jin), Pre-Calculus
Research Interests	Algebra	and To	pology – Representation Theory, Low-Dimensional Topology.
Research Experience	2018-Pi	resent	Investigating various diagrammatic categories and their connec- tions to other mathematical objects (such as representations of quantum groups, Schur algebras, etc.). Advisor: J. Kujawa, Department of Mathematics, University of Oklahoma
	2014-20	)15	Investigating properties of pants decompositions of surfaces, specif- ically, studying flips and zipped flips. Advisor: A. Przeworski, Department of Mathematics, College of Charleston.
Invited Talks	Nov	2021	Polynomial Superfunctors & Generalized Schur Algebras, AMS Fall 2021 Southeastern Sectional Meeting, University of South Alabama (virtual).
PRESENTATIONS	Nov	2021	Duality: An In-Schur-Ance Policy for the Working Mathematician, Graduate Algebra Symposium, University of North Texas (virtual)
	Oct	2021	Super-ize Me! (and My Schur Algebra), Algebra & Representation Theory Seminar, University of Oklahoma.
	Feb	2020	Soup or Algebra?, Graduate Algebra Symposium, University of North Texas.
	Oct	2019	Coloring With Representations: How to Fail Art Class, Student
	Sep	2019	Silly Mathematician, Webs are for Spiders!, Algebra & Represen- tation Theory Seminar, University of Oklahoma
	Oct	2018	All Aboard the Skein Train!, Graduate Algebra Symposium, Uni-
	April	2018	An Algebra So Nice, It Will Make You Quiver!, Graduate Algebra
	Feb	2015	Pants Decompositions of Surfaces, Ninth Annual Graduate Student Research Poster Session, College of Charleston.
Academic	2021		Presented at and attended the (virtual) AMS Fall Southeastern
ACTIVITIES	2021		Presented at and attended the (virtual) Fall Graduate Algebra
	2021		Co-organized and attended the (virtual) Spring Graduate Algebra
	2020		Presented at and attended the Spring Graduate Algebra Sympo-
	2020		Attended the Introductory Quantum Symmetries Workshop,
	2020		Attended the Connections for Women Quantum Symmetries Work-
	2019		Attended the Southeastern Lie Theory Workshop XI, Louisiana State University
	2018		Presented at and attended the Fall Graduate Algebra Symposium, University of Texas Arlington.

ACADEMIC	2018	Participated in the RTG summer school <i>Lie Theory</i> , University of
Activities Continued	2018	Participated in the weekly Student Algebra Seminar, University of
	2018	Oklahoma. Presented at and attended the Spring Graduate Algebra Sympo-
	2018	sium, University of North Texas. Attended the ninth Texas-Oklahoma Representations and Auto- morphic Forms (TOBA IX) conference. University of Oklahoma
	2017	Attended the Fall Graduate Algebra Symposium, University of Ok-
	2016–Present	lahoma. Regularly attend weekly Algebra and Representation Theory sem- inar, University of Oklahoma
	2016 & 2017	Employed by Hawkes Learning to create and facilitate instructional
	2016 & 2017	Videos for various mathematics subjects, Charleston, SC. Regularly attended weekly Graduate Student Seminar, University
	2016	of Oklahoma. Attended the Fall Graduate Algebra Symposium, University of
	2015	North Texas. Attended the Midwestern Conference on Combinatorics and Com-
	2013 - 2015	binatorical Computing, College of Charleston. Regularly attended weekly Mathematics Colloquim, College of
	2013 - 2015	Charleston. Attended seminars in Algebra, Quantum Mechanics, and Solitons,
	2012	College of Charleston. Participated in the summer Applications of Mathematics to Phys- iology and Medicine Workshop, Duke University.
PROFESSIONAL	2019	Attended the 2019 SIGMAA on RUME conference, Oklahoma City
DEVELOPMENT	2018	Participated in the OUr Call Workshop at the University of Okla- homa. Participants collaborated for one week which culminated in active learning resources for the calculus sequence. These resources were made available to all OU faculty and instructors. This work- shop was part of APLU's SEMINAL project which is funded by an
	2010	NSF grant.
	2018	Completed Faculty LGBTQ Ally Training hosted by the Gender and Equality Center, University of Oklahoma.
	2017	Completed NIH/NSF Professional Ethics Training in Responsible
	2017	Completed Advanced Tutor Training for Math for Critical Think-
	2016	Completed the Teach College Math course, University of Okla-
	2016	homa. Attended RUME with a VIEW Conference, University of Okla-
	2016	homa. Completed Advanced Tutor Training for Business Calculus, Uni-
	2016	versity of Oklahoma. Attended Teaching Learning and Technology Conference, College of Charleston.

Service and	2020	Volunteer, Directed Reading Program; mentored an undergradu-
Outreach	2019-2020	ate student during the Spring 2020 semester in Lie theory. Committee Member, Chair's Grad Advocacy Committee;
		served on a committee dedicated to improving the mathematics
		graduate student experience. Worked directly with the chair to
		address grad student concerns and well-being issues at the Univer-
	2019-2020	sity of Oklahoma. <b>Co-Organizer</b> , Directed Reading Program; co-organize a program
		which allows graduate students and young faculty to mentor one or
		more undergraduate students in an area of mathematics, University
	2019	of Oklahoma. Committee Member, Algebra Search Committee; asked to serve
		as the graduate student member of the search committee for new
	9010	faculty in algebra at the University of Oklahoma.
	2019	volunteer, Directed Reading Program; mentored an undergrad-
		the student during the Fail 2019 semester in the representation
	2019	Supervisor, University of Oklahoma Math Center; supervise and
		mentor undergraduate tutors working with precalculus, calculus I,
	9010	and calculus II for business during the spring semester.
	2019	volunteer, 2019 SIGMAA on RUME conference; moderated 18
		ors managing time, and managing questions after the talks
	2019	Volunteer, Review Session Leader; conducted review sessions be-
		fore exams for all University of Oklahoma students enrolled in Busi-
	2018 - 2021	<b>Organizer</b> , Norman Science Café; organize a monthly outreach
		event where a speaker from a scientific field gives a talk to the
		general public with the goal of stimulating and cultivating interest
	2018	in the sciences in our community. Volunteer, Review Session Leader; conducted review sessions be-
		fore exams for all University of Oklahoma students enrolled in Busi-
	2018	ness Calculus II in the Fall semester. Volunteer, University of Oklahoma Department of Mathemat-
		ics Directed Reading Program; mentored an undergraduate stu-
		dent during the Spring 2018 semester in various topics in topology
		and another student in algebraic topology during the Fall 2018 semester
	2018	Volunteer, New Graduate Student Orientation at the University
		of Oklahoma; participated in the training of incoming graduate
		students specifically in regards to the OU Math Center.
	2017	Volunteer, New Graduate Student Orientation at the University
		of Oklahoma; sat on multiple panels and participated in the train-
	$9016 \ \ell_{-} \ 9017$	ing of incoming graduate students.
	2016 & 2017	<b>volunteer</b> , University of Oklanoma Math Day competition for
		middle school and high school students; performed odd jobs such
	2016	Volunteer, Math Center After Dark Tutor, University of Okla-
	2016–Present	homa. Undergraduate Mathematics Tutor Math Center University
	2010 1 1050110	of Oklahoma (Algebra, Pre-Calculus, Math for Critical Thinking,
	0015 0 0010	Business Calculus I & II).
	2015 & 2016	volunteer & Contributor, College of Charleston Math Meet
		competition for Lowcountry night school students; co-created con-
		addition to the event in 2015) and performed add jobs during the
		event
		UVUII0.

Service and Outreach Continued	2015 & 2016	Volunteer, Lowcountry Regional Science and Engineering Fair;
	2015 & 2016	acted as a judge for the science fair projects. Volunteer, College of Charleston Lady Cougars STEM Education
		Day; assisted with interactive STEM workshops for elementary and
	2010-2015	middle school students. <b>Undergraduate Mathematics Tutor</b> , Math Lab, College of
		Charleston (Algebra, Pre-Calculus, Calculus I, Calculus II, Busi-
		ness Calculus, Elementary Statistics, Trigonometry).
	2014	Volunteer, College of Charleston Math Meet competition for Low-
		country high school students; performed odd jobs such as proctor-
		ing the exams, grading quizzes, etc.

References Upon Request