Özgür Esentepe

AFFILIATION	University of Toronto - Department of Mathematics
ADDRESS	40 St. George St., Room 6290. Toronto, Ontario, M5S 2E4
PHONE	+1-647-236-1181
EMAIL	ozgures@math.utoronto.edu
HOMEPAGE	`www.math.toronto.edu/ozgures`
	`www.math.toronto.edu/ozgures/hireozgur.html`

RESEARCH INTERESTS

Cohen-Macaulay Representation Theory, Noncommutative Algebraic Geometry, Homological Algebra, Representation Theory of Algebras

EDUCATION

SEPT 2014 - PRESENT	PhD in Mathematics under the supervision of Joel Kamnitzer and Graham Leuschke and Ragnar-Olaf Buchweitz *University of Toronto*
SEPT 2013 - AUG 2014	MSc in Mathematics under the supervision of Ragnar-Olaf Buchweitz *University of Toronto*
SEPT 2008 - JAN 2013	BSc in Mathematics, honours *Bogaziçi University*

PAPERS

2018	Cohomology Annihilator of a Curve Singularity (*submitted*) Preprint available at `https://arxiv.org/abs/1807.05471`

SELECTED TALKS AND PRESENTATIONS

2019	A Milnor-Jung Type Formula for Double-Branched Covers of Algebraic Plane Curves, *Algebra Seminar, McMaster University*
2018	Noncommutative Resolutions and Annihilation of Cohomology, *OttawaCarleton Joint Algebra Seminar, Carleton University*
2018	Noncommutative Resolutions and Annihilation of Cohomology, *Algebra Seminar, University of Waterloo*
2018	Cohomology Annihilators over Curve Singularities, *International Conference on Representation Theory of Algebras, Prague*

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2018	Cohomology Annihilators over Curve Singularities, *Maurice Auslander International Conference, Woods Hole*
2018	Cohomology Annihilators in Dimension One, *Commutative Algebra Seminar, University of Utah*
2018	Cohomology Annihilators in Dimension One, *Algebra Seminar, Syracuse University*
2016	A Problem in Noncommutative Algebraic Geometry, *Poster Presentation* *Géométrie Algébrique en Liberté XXIV, Nesin Mathematics Village.*

Schools, Workshops and Conferences Participated

2018	Workshop and International Conference on Representation of Algebras, *Prague, Czech Republic.*
2018	Maurice Auslander Distinguished Lectures and International Conference, *Woods Hole, Massachusetts.*
2016	Non-commutative, Derived and Homotopical Methods in Geometry, *University of Antwerp, Belgium*
2016	Workshop and International Conference on Representations of Algebras, *Syracuse University, Syracuse, New York.*
2016	Géométrie Algébrique en Liberté XXIV, *Nesin Mathematics Village, Sirince, Turkey.*
2016	Antalya Algebra Days XVIII, *Nesin Mathematics Village, Sirince, Turkey.*
2015	Route 81 Conference, *Queens University, Kingston, Ontario.*
2015	Summer School on Koszul Duality, *Bad Driburg, Germany.*
2015	Workshop on Geometric Algebra - Bridges Between Commutative Algebra, Noncommutative Geometry and Representation Theory, *Fields Institute, Toronto, Ontario.*
2015	Maurice Auslander Distinguished Lectures and International Conference, *Woods Hole, Massachusetts.*

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2014	Route 81 Conference, *Cornell University, Ithaca, New York.*
2009-2012	Turkish Mathematics Society Undergraduate and Graduate Summer Schools, *Nesin Mathematics Village, Sirince, Turkey.*
2011	Turkish Mathematics Society Winter School on Commutative Algebra, *Nesin Mathematics Village, Sirince, Turkey.*

Teaching and Coordinating

For teaching related material, see

http://www.math.toronto.edu/ozgures/#teaching

For course evaluations and select student comments, see

http://www.math.toronto.edu/ozgures/hireozgur.html

2017-Present	**Course Coordinator at University of Toronto.**
	Calculus Bootcamp Coordinator for Engineering Faculty, Summer 2018
	MAT135 Calculus 1(A), Summer 2018
	MAT224 Linear Algebra II, Fall 2017
	MAT135 Calculus 1(A), Summer 2017
2018 - Present	**Course Instructor at University of Toronto**
	MAT136 Calculus 2(A), Winter 2019
	MAT137 Calculus, Fall 2018- Fall 2019
	MAT223 Linear Algebra I, Winter 2018
2013 - Present	**Teaching Assistant at University of Toronto**
	MATA31 Calculus for Life Sciences at Scarborough Campus, Fall 2015
	MATA33 Calculus for Business and Management at Scarborough Campus, Summer 2015
	MAT185 Linear Algebra for Engineering Science Division, Winter 2015
	MAT188 Linear Algebra for Engineering Faculty, Fall 2013, Fall 2014
	MAT223 Linear Algebra, Fall 2013, Winter 2014, Fall 2014
	MAT224 Linear Algebra II, Winter 2014, Fall 2014, Winter 2015
	MAT240 Algebra I, Fall 2015, Fall 2016, Fall 2018
	MAT247 Algebra II, Winter 2016, Winter 2017
	MAT327 Topology, Summer 2015
	MAT392 Ideas of Mathematics at Mississauga Campus, Winter 2018
	MAT402 Classical Geometries at Mississauga Campus, Fall 2015, Winter 2016, Winter 2018

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Awards

2018	Queen Elizabeth II Graduate Scholarship
2017	TATP Teaching Excellence Award (University of Toronto) *shortlisted among 12*
2017	Delury TA Award (Department of Mathematics)
2013-2018	University of Toronto Graduate Fellowship
2015-2016	Ontario Gradute Scholarship
2008-2013	TUBITAK (The Scientific and Technological Research Council of Turkey) Scholarship

Outreach and Committee Work

2015 - Present

Founder of AdIMOM

Adelaide Institute of Mediocre and Outstanding Mathematics (AdIMOM) is an informal centre for mathematics in Downtown Toronto. Having started in my bachelor apartment, AdIMOM has evolved into something bigger with homemade seminars during the year and international conferences in April. With no time limit and no restriction on the subject topic, more than 60 speakers from more than 20 institutions from 4 countries participated in the homemade seminar. Starting from 2017, we also hold an annual international conference. More info can be found at `http://www.math.toronto.edu/ozgures/adimom/adimom.html`

2017

Graduate Chair Search Committee

The task of the graduate chair search committee is to choose a chair to lead a three-campus Graduate Department at the University of Toronto.

2015 & 2016

Math Mentorship Program

Math Mentorship Program is one of the outreach projects of the Mathematics Department at University of Toronto, pairing Grade 11 and 12 high school students interested in the field of mathematics study and research with graduate students, post-doctoral fellows and faculty in the field. Mentors are expected to meet their students on a regular basis and mentees are expected to produce a research poster at the end of the program. I participated in this program for two years. My students prepared projects on Algebraic Graph Theory and Quiver Representation Theory.

2015 - 2017

Organizer of Graduate Student Seminar

Organised by the Math Graduate Student Association at University of Toronto, Graduate Student Seminar is a weekly seminar where graduate students present ideas in mathematics related to their research.

2010-2012

Volunteer at Nesin Mathematics Village

Nesin Mathematics Village is a village located in Turkey founded by Ali Nesin, who won the Leelevati Prize in ICM2018 organized in Rio. High school students are mentored during their programs which last typically two weeks in this volunteer position. I took up this position for more than 6 different programs. The mentorship includes helping students with the mathematical ideas, helping students complete their daily tasks in the village and contacting family members in case of emergency.

References

Available on request.