

Deniz Yılmaz

CONTACT INFORMATION	Friedrich Schiller University of Jena Department of Mathematics and Computer Science 07737, Jena Germany	+90 (537) 937-2053 deyilmaz@ucsc.edu
RESEARCH INTERESTS	Representation Theory of Finite Groups	
EDUCATION	University of California Santa Cruz, USA Ph.D. Mathematics, 2015 - 2020 <ul style="list-style-type: none">• Advisor: Robert Boltje• Thesis: The A-fibered Burnside ring as A-fibered biset functor in characteristic zero University of Picardie Jules Verne, France Visitor as Chateaubriand Fellow, February 2019 - June 2019 <ul style="list-style-type: none">• Advisor: Serge Bouc Boğaziçi University, Turkey Master's in Mathematics, 2013 - 2015 <ul style="list-style-type: none">• Advisor: Olcay Coşkun• Thesis: The Fibered p-Biset Functor of the Fibered Burnside Ring Bachelor's in Mathematics, 2008 - 2013 Bachelor's in Electrical and Electronics Engineering, 2008 - 2013	
POSITIONS	Friedrich Schiller University of Jena, Germany Postdoctoral Researcher, November 2020 - present <ul style="list-style-type: none">• Advisor: Burkhard Külshammer	
PUBLICATIONS AND PREPRINTS	<ul style="list-style-type: none">• <i>The fibered p-biset functor structure of the fibered Burnside rings</i>, Algebras and Representation Theory, 22 (2019), 21-41 (with Olcay Coşkun) arXiv: 1712.03460• <i>Fusion systems of blocks of finite groups over arbitrary fields</i>, Pacific Journal of Mathematics, 305(1) (2020), 29-41 (with Robert Boltje and Çisil Karagüzel) arXiv: 1909.06666• <i>Diagonal p-permutation functors</i>, Journal of Algebra, 556 (2020), 1036-1056 (with Serge Bouc) arXiv: 1907.12877• <i>The A-fibered Burnside ring as A-fibered biset functor in characteristic zero</i>, to appear in Algebras and Representation Theory (with Robert Boltje) arXiv: 1909.06668• <i>Galois descent of equivalences between blocks of p-nilpotent groups</i>, submitted (with Robert Boltje) arXiv: 2102.13149• <i>On the category of diagonal p-permutation functors</i>, in preparation (with Serge Bouc)	

TALKS

- *Diagonal p -permutation functors*, Halle-Jena Algebra Seminar, (January 2021)
- *Fusion systems of block of finite groups over arbitrary fields*, AMS Fall Eastern Virtual Sectional Meeting at Penn State University (October 2020)
- *The A -fibered Burnside Ring as A -Fibered Biset Functor in Characteristic Zero*, Algebra and Number Theory Seminar, UC Santa Cruz (February 2020)
- *The A -fibered Burnside Ring as A -Fibered Biset Functor in Characteristic Zero*, AMS Fall Western Sectional Meeting at UC Riverside (November 2019)
- *Diagonal p -permutation functors*, AMS Fall Eastern Sectional Meeting at Binghamton University (October 2019)
- *The Fibered p -Biset Functor of the Fibered Burnside Ring*, Workshop on endo- p -permutation and trivial source modules in the representation theory of finite groups, EPFL (August 2016)
- *Grothendieck Groups and Grothendieck Rings*, Workshop on representation rings and their unit groups, UNAM (June 2016)
- *Introduction to Biset Functors*, Graduate Colloquium, UC Santa Cruz (December 2015)

CONFERENCES ATTENDED

- Conference on Categorical and Homotopical Methods in Representation Theory of Finite Groups, LAMFA, France, 2019
- Functorial Methods in Representation Theory, Nesin Mathematics Village, Turkey, 2017
- Introductory Workshop on the Representation Theory of Finite Groups, EPFL, 2016

TEACHING EXPERIENCE

Instructor

- Calculus I, Summer Term 2018 & 2019, Boğaziçi University

Teaching Assistant

- 2015-2020, University of California, Santa Cruz
 - Algebra II
 - Linear Algebra
 - Introduction to Proof and Problem Solving
 - Introduction to Number Theory
 - Calculus with Applications II
 - Calculus with Applications I
 - Calculus for Science, Engineering and Mathematics
 - Precalculus
- 2013-2015, Boğaziçi University
 - Introduction to Complex Analysis
 - Differential Equations
 - Calculus III
 - Calculus I
 - Introduction to Calculus for Social Sciences

HONORS AND
AWARDS

Chateaubriand Fellowship, 2019

Offered by the Office of Science and Technology of the Embassy of France in the United States

Excellence Scholarship, 2008 - 2013

Offered by Prime Ministry of Turkey (ranked 6th in the National University Entrance Exam in 2008)

RELEVANT
SKILLS

Languages: Turkish, English

REFERENCES

Robert Boltje, Mathematics Professor, University of California Santa Cruz,
boltje@ucsc.edu

Serge Bouc, Mathematics Professor, University of Picardie Jules Verne,
serge.bouc@u-picardie.fr

Olçay Coşkun, Mathematics Professor, Boğaziçi University,
olcay.coskun@boun.edu.tr

Burkhard Külshammer, Mathematics Professor, Friedrich Schiller University of Jena,
kuelshammer@uni-jena.de