

ANDREI PAVELESCU

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RESEARCH INTERESTS

Group Theory, Ring Theory, Graph Theory

EDUCATION

PH.D. in Mathematics , University of Southern California, Los Angeles, CA	May 2012
Master of Philosophy, Mathematics , University of Pennsylvania, Philadelphia, PA	May 2006
Master of Arts, Mathematics , Johns Hopkins University, Baltimore, MD	May 2003
Bachelor of Arts, Mathematics , University of Bucharest, Bucharest, Romania	June 2002

PUBLICATIONS/PREPRINTS

- Andrei Pavelescu, Elena Pavelescu, “Intrinsic Linkness of Graphs and Their Complements”, in preparation
- Andrei Pavelescu, “Derangements in Cosets of Primitive Permutation Groups”
Journal of Group Theory. Jan2015, Vol. 18 Issue 1, p143-154. 12p.
DOI: 10.1515/jgth-2014-0030
<http://arxiv.org/abs/1312.1422>
- Andrei Pavelescu, “Some Maximal Commutative Subrings of $M_n(D)$ ”
Communications in Algebra Vol. 41, Iss. 8, 2013
<http://arxiv.org/abs/1312.1402>
- Andrei Pavelescu, “The Henselization of General Local Rings -Revisited-” (M.Phil. Thesis),
May 2006
- Andrei Pavelescu, “Rings Introduced by the Notion of Projective Module” (B.A. Thesis),
June 2002

SELECTED TALKS

“Derangements in Primitive Groups”, Southern Regional Algebra Conference, Auburn University	March 2016
“Commutative Matrix Rings”, Pure Mathematics Seminar,	

University of South Alabama	November 2015
“Counting Derangements in Primitive Groups”, Colloquium, University of South Alabama	March 2015
“Proportion of Derangements”, Algebra Seminar, University of Arkansas	May 2014
“Counting Derangements”, Colloquium Talk, Oklahoma State University	November 2013
“Some Maximal Commutative Matrix Rings”, Arkansas-Oklahoma MAA Sectional	April 2013
“On the Proportion of Derangements in Primitive Groups”, Lie Groups Seminar, Oklahoma State University	November 2012
“Orderable Groups”, Topology Seminar, Oklahoma State University	November 2012
“Derangements in a Coset”, Southwestern Group Theory Day, ASU	November 2011
“Some Maximal Commutative Subrings of Simple Rings”, MAA Sectional, CSU	October 2011

WORK EXPERIENCE

University of South Alabama, Mobile, AL Assistant Professor	August 2015- Present
Oklahoma State University, Stillwater, OK Visiting Assistant Professor	August 2012-May 2015
University of Southern California, Los Angeles, CA Teaching Assistant	August 2007-May 2012
University of Pennsylvania, Philadelphia, PA Teaching Assistant/ Instructor	September 2003-August 2006
Johns Hopkins University, Baltimore, MD Teaching Assistant	September 2002-May 2003

Classes taught/graded for: Calculus I-III, Linear Algebra, Differential Equations, Statistics and Probability, Undergraduate Algebra, Undergraduate Analysis, Algebra, Differential Geometry, Algebraic Topology, Representation Theory, Groups and Representation Theory, Enumerative Combinatorics.

STUDENTS

Andrew Noel, undergraduate, “Using the Thue-Morse Sequence to Generate a New Set of Solutions for the Prouhet-Tarry-Escott Problem.” May 2014

SERVICE

Research Committee of the Faculty Senate, USA,	August 2016 -Present
Faculty Senate, University of South Alabama	May 2016-Present Graduate Committee,
Mathematics and Statistics Department,	September 2016-Present
Curriculum Committee, Mathematics and Statistics Department,	September 2015-August 2016
High School Mathematics Contest Committee, Department Of Mathematics, OSU	2013-2015
Faculty Advisor for the Delta Kappa Epsilon chapter at OSU	2013–2015

HONORS/AWARDS

(Pending Further Approval) DMS 1702001 NSF Conference Grant	2017
Merit Fellowship, University of Southern California	Spring 2008

Top-Off Fellowship, University of Southern California	August 2007- August 2009
Nominated for the “Penn Prize for Excellence in Teaching by Graduate Students”	April 2006
“Good Teaching Award”, Department of Mathematics, University of Pennsylvania	Fall 2005
Honor Scholarship, University of Bucharest	October 1998- June 2002

CONFERENCES/WORKSHOPS ATTENDED

Southern Regional Algebra Conference, Auburn University	March 2016
Finite Simple Groups: Thirty Years of the Atlas and Beyond, Princeton University, Princeton, NJ	November 2015
Simple Groups, Representations and Related Topics, University of Cambridge, Cambridge, United Kingdom	July 2015
Fall Red Bud Conference, University of Arkansas, Fayetteville, AR	November 2014 MAA
AR-OK Sectional, Stillwater, OK	April 2013
Spring Red Bud Conference, University of Arkansas, Fayetteville, AR	March 2013
AMS Joint Meetings, San Diego, CA	January 2013
Fall Red Bud Conference, Oklahoma University, Oklahoma City, OK	November 2012
IAS/PCMI Summer School on Geometric Group Theory, Park City, UT	July 2012
AMS Joint Meetings, Boston, MA	January 2012
Southwestern Group Theory Day, Tucson, AZ	November 2011
Southern California Number Theory Day, Irvine, CA	October 2011
MAA Southern California-Nevada Section, Los Angeles CA	October 2011
Algebraic Properties of Profinite Groups, Oberwolfach, Germany	June 2011
AMS Joint Meetings, New Orleans, LA	January 2011
Southwestern Group Theory Day, University of Arizona, Tucson, AZ	November 2010
AMS Fall Western Sectional Meeting , Los Angeles, CA	October 2010

STUDENT GOVERNMENT

Vice President of the Graduate Student Senate, USC	September 2011-November 2011
Member of the Graduate School Faculty Advisory Council	September 2011-November 2011
GPSS Senator of the MGSA, USC	September 2010-May 2011
President of the Mathematics Graduate Student Association, USC	May 2009-May 2010

SOFTWARE AND TEACHING ENVIRONMENTS

C++
 Maple, Matlab, Mathematica
 Microsoft Office, Blackboard, Webassign, WeBWorK

LANGUAGES

English, Italian, French, Romanian