
CONTACT	<p>The University of Texas at Arlington Department of Mathematics Box 19408 1225 West Mitchell Arlington, TX 76019-0408</p>	<p>Office: 817.272.3261 dwight.willams@uta.edu</p>
RESEARCH	Lie (super)algebras, Gelfand-Tsetlin theory, representation theory	
EDUCATION	<p>The University of Texas at Arlington, Arlington, TX</p> <p>Ph.D., <i>Mathematics</i>, <i>Expected</i>: May 2020</p> <p>Advisor: Dimitar Grantcharov</p> <p>The Florida State University, Tallahassee, FL</p> <p>M.S., <i>Pure Mathematics</i>, May 2014</p> <p>Florida A&M University, Tallahassee, FL</p> <p>B.S., <i>Mathematics</i>, April 2012</p>	
DISTINCTIONS	<p>International Congress of Mathematicians Travel Grant</p> <p>American Mathematical Society</p> <p>Peer Mentor Award</p> <p>The University of Texas at Arlington Department of Mathematics</p> <p>Graduate Assistance in Areas of National Need (GAANN) Fellow</p> <p>The University of Texas at Arlington</p>	<p>2018</p> <p>2018</p> <p>2017 – present</p>
TALKS	<p>2018</p> <ol style="list-style-type: none"> 1. “Angles of Andy... Simple Roots”, Discussions in Algebra (DinA), The University of Texas at Arlington 2. “Gelfand-Tsetlin Subalgebras”, Discussions in Algebra (DinA), The University of Texas at Arlington <p>2017</p> <ol style="list-style-type: none"> 3. “Supermathematics...”, UNT UTA OU Algebra Symposium, University of Oklahoma 4. “Superalgebras” Discussions in Algebra (DinA), The University of Texas at Arlington 5. “Magmas, Loops, and Other Not-quite Groups”, UNT UTA OU Algebra Symposium, The University of Texas at Arlington 6. “Solutions to Hungerford Exercises on Hom & Duality” Discussions in Algebra (DinA), The University of Texas at Arlington <p>2016</p> <ol style="list-style-type: none"> 7. “Survey of Algebraic Objects” Discussions in Algebra (DinA), The University of Texas at Arlington 	

2013

8. “A Complex Investigation of Pythagorean Triples”, Nov
Complex Analysis Seminar, The Florida State University

2011

9. “Cyclotomy and Representation Theory”, Jul
Iowa Summer Research Symposium, University of Iowa

ACTIVITIES

Conferences, Symposiums, Talks

Lie and Jordan Algebras, their Representations and Applications VIII
Satellite Conference ICM
Cusco, Peru (August 2018)

International Congress of Mathematicians
Rio de Janeiro, Brazil (August 2018)

Texas-Oklahoma Representations and Automorphic Forms (TORA) IX
University of Oklahoma (April 2018)

UNT UTA OU Algebra Symposium X
University of Oklahoma (October 2017)

Lie Algebras, Superalgebras, and Applications
AMS Fall Central Sectional Meeting
University of North Texas (September 2017)

UNT UTA OU Algebra Symposium IX
The University of Texas at Arlington (April 2017)

Algebra Seminar
University of North Texas (2017 - present)

UNT UTA OU Algebra Symposium VIII
University of North Texas (November 2016)

Discussions in Algebra (DinA)
The University of Texas at Arlington (2016 - present)

MEMBERSHIPS

American Mathematical Society
Association for Women in Mathematics (Student Chapter)
National Association of Mathematicians

TEACHING

Instructor

Summer 2017 - Fall 2017
College Algebra (Pilot) - The University of Texas at Arlington
Preparation for Calculus - The University of Texas at Arlington
Fall 2015 – Spring 2016
Business Calculus (4 sections) - Florida A&M University
Intermediate Algebra (2 Sections) - Florida A&M University

Guest Lecturer

Spring 2018

Graduate Abstract Algebra - The University of Texas at Arlington

Fall 2017

Number Theory - The University of Texas at Arlington

Contemporary Mathematics - The University of Texas at Arlington

Teaching Assistant

Spring 2018

Preparation for Calculus (2 Sections) - The University of Texas at Arlington

Fall 2016 – Spring 2017

Preparation for Calculus (4 sections) - The University of Texas at Arlington

Fall 2012 – Spring 2014

Analytic Trigonometry (11 sections) - The Florida State University

College Algebra (11 sections) - The Florida State University

Calculus for Business (8 sections) - The Florida State University

Precalculus Algebra (5 sections) - The Florida State University

Grader

Spring 2018

Linear Algebra - The University of Texas at Arlington

SERVICE

Professional

Organizer

Visitors/Speakers

- Edray Goins, Professor, Purdue University

Discussions in Algebra (DinA)

- Scheduler of talks for DinA at The University of Texas at Arlington

Grad2Grad

- Coordinator of a peer-to-peer studying collaborative for linear algebra and analysis

Panelist

- GAANN Day 2018, The University of Texas at Arlington Department of Mathematics
- “FGAP Program”, Gulf States Math Alliance Conference, The University of Texas at Arlington
- GAANN Day 2016, The University of Texas at Arlington Department of Mathematics
- “Fields of Summer Programs”, Fifth Annual Mathematical Field of Dreams Conference, Arizona State University

Committee Member

Mathematics Faculty Search Committee

2012

- Represented students in evaluating candidates for faculty positions in the Department of Mathematics at Florida A&M University

Community

K-12 Mentor 2016 – present
Mid-Cities Math Circle (MC)²

- Promoter of problem solving and mathematical fun amongst youth

R. Frank Nims Middle School 2011-2012

- Created STEM lesson plans and taught 15 eighth graders on Saturday mornings

Local Volunteer

Dallas-Fort Worth Metroplex 2016 – present

- UT Arlington Calculus Bowl set-up crew member and pizza server
- Forth Worth Regional Science Fair safety inspector

Advisor and Undergraduate Mentor

Florida-Georgia Louis Stokes Alliance for Minority Participation 2012 – 2016

- Adapted program as a recognized student organization (RSO) at The Florida State University
- Mentored 30 undergraduates from underrepresented backgrounds in scientific fields

SKILLS

Computer software/languages

Past Projects: MATLAB, Maple, L^AT_EX, Excel, Access, APL, C

REFERENCES

Dimitar Grantcharov

Associate Professor

Department of Mathematics

The University of Texas at Arlington

Phone: 817-272-1148

E-mail: grandim@uta.edu

Michaela Vancliff

Professor

Department of Mathematics

The University of Texas at Arlington

Phone: 817-272-3932

E-mail: vancliff@uta.edu

Amod Agashe

Associate Professor

Department of Mathematics

The Florida State University

Phone: 850-644-8704

E-mail: agashe@math.fsu.edu

Sonya Stephens

Interim Dean

College of Science and Technology

Florida A&M University

Phone: 850-412-5978

E-mail: sonya.stephens@famuedu

Roselyn Williams

Associate Professor

Department of Mathematics

Florida A&M University

Phone: 850-412-5236

E-mail: roselyn.williams@famuedu

Edray Goins

Professor

Department of Mathematics

Purdue University

Phone: 765-494-1936

E-mail: egoins@purdue.edu