Dwight Anderson Williams II   Updated: April 2018

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RESEARCH   Lie (super)algebras, Gelfand-Tsetlin theory, representation theory

EDUCATION

The University of Texas at Arlington, Arlington, TX

    Ph.D., Mathematics, *Expected:* May 2020

    Advisor: Dimitar Grantcharov

The Florida State University, Tallahassee, FL

    M.S., Pure Mathematics, May 2014

Florida A&M University, Tallahassee, FL

    B.S., Mathematics, April 2012

DISTINCTIONS

International Congress of Mathematicians Travel Grant American Mathematical Society	2018
Peer Mentor Award The University of Texas at Arlington Department of Mathematics	2018
Graduate Assistance in Areas of National Need (GAANN) Fellow The University of Texas at Arlington	2017 – present

TALKS   2018

1. "Angles of Andy... Simple Roots",   Apr
   Discussions in Algebra (DinA), The University of Texas at Arlington

2. "Gelfand-Tsetlin Subalgebras",   Mar
   Discussions in Algebra (DinA), The University of Texas at Arlington

2017

3. "Supermathematics...",   Oct
   UNT UTA OU Algebra Symposium, University of Oklahoma

4. "Superalgebras"   Oct
   Discussions in Algebra (DinA), The University of Texas at Arlington

5. "Magmas, Loops, and Other Not-quite Groups",   Apr
   UNT UTA OU Algebra Symposium, The University of Texas at Arlington

6. "Solutions to Hungerford Exercises on Hom & Duality"   Feb
   Discussions in Algebra (DinA), The University of Texas at Arlington

2016

7. "Survey of Algebraic Objects"   Oct
   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)

Schools, Trainings, Workshops

2018 RTG Summer School "Lie Theory"
   University of Georgia (June 2018)

"Introduction to Git and GitHub"
   The University of Texas at Arlington (April 2018)

"ABCs of DMPs: Introduction to creating effective data management plans",
   The University of Texas at Arlington (March 2018)

"Introduction to Python",
   The University of Texas at Arlington (March 2018)

"Intro to Pivot - Funding",
> The University of Texas at Arlington (February 2018)

"Publishing Your First Article",
> The University of Texas at Arlington (February 2018)

"Shaping Your Academic Digital Identity",
> The University of Texas at Arlington (February 2018)

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
The University of Texas at Arlington Department of Mathematics

- GAANN Day 2018
- Gulf States Math Alliance Conference
- GAANN Day 2016

National Alliance for Doctoral Studies in the Mathematical Sciences

- Fifth Annual Mathematical Field of Dreams Conference, Arizona State University

Committee Member
Mathematics Faculty Search Committee

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

Community

K-12 Mentor
Mid-Cities Math Circle $(MC)^2$

- Promoter of problem solving and mathematical fun amongst youth

R. Frank Nims Middle School

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

Local Volunteer
Dallas-Fort Worth Metroplex

- 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

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

MEMBERSHIPS

American Mathematical Society

Association for Women in Mathematics (Student Chapter)

National Association of Mathematicians

SKILLS

Computer software/languages
Past Projects: MATLAB, Maple, LaTeX, Excel, Access, APL, C

References

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