



## TALKS PRESENTED AND SCHEDULED

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**AMS Southeastern Sectional Meeting at Charlottesville, VA** (*Scheduled*) March 13-15, 2020  
*Special Session on Categorical Representation Theory and Beyond*

· Title: TBA

**University of Georgia Algebra Seminar** November 18, 2019

· Title: *Serre presentation and canonical basis for quantum covering groups.*

**University of Virginia Algebra Seminar** November 1, 2019

· Title: *Serre presentation and canonical basis for quantum covering groups.*

**AMS Fall Central Sectional Meeting at Madison, WI** September 14-15, 2019

*Special Session on Hall Algebras, Cluster Algebras and Representation Theory*

· Title: *Serre presentation for quantum covering groups.*

**Representation Theory Reading Seminar** 2016 – 2019

*Seminar talks on various topics; selected titles listed*

- “Twisted Yangians: Center, coideal property, and alternate presentation” Fall 2019
- “Schur-Sergeev duality between  $\mathfrak{q}(n)$  and the Hecke-Clifford algebra  $\mathcal{H}_d$ ” Fall 2018
- “Springer fibers and geometry” Fall 2017
- “Classification of Nilpotent Orbits” Fall 2016
- “Introduction to Soergel Bimodules” Spring 2016

## SERVICE AND OUTREACH

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- **Co-Mentor, Summer 2019 REU at University of Virginia** Summer, 2019  
*With fellow graduate student Andrew Kobin, guided our mentees Spencer Martin and Will Donahoe through understanding the dimension formulas for spaces of modular forms, two presentations, and a poster presentation at the 2019 SUMS conference at James Madison University.*
- **Mentor, Directed Reading Program at University of Virginia** Spring, 2019  
*Guided my DRP mentee Joseph Snitzer through a selection of category theory texts and online material to understand the Yoneda Embedding, and prepare for a presentation during UVa’s Math Club.*
- **Association for Women in Mathematics Sonia Day in Topology** March 2, 2019  
*Facilitated and helped plan for a single day program sponsored by the UVa’s AWM chapter with fun activities aimed at providing middle and high school girls the opportunity to engage with ideas in topology.*
- **UVa Math Ambassador** 2017-18  
*UVa’s Mathematics outreach program to Albemarle County and Charlottesville city schools.*
- **Mentorship Co-chair, Association for Women in Mathematics** 2017-18
- **Member, Graduate School of Arts and Sciences Research Grant Review Committee** 2017-18

## TECHNICAL STRENGTHS

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**Computer Languages** Proficiency with: MATLAB, Mathematica.  
Experience with: Maple, Python, R and Stata.

**Languages** Proficient: English, Mandarin Chinese, and Bahasa Melayu.  
Learning: French.