

Southeastern Lie Theory Workshop X

University of Georgia, June 10-12, 2018

Sunday, June 10	Room 328, Boyd Graduate Studies	
8:00-9:00	Registration	
9:00-10:00	Christopher Bendel	Cohomology of algebraic groups, Lie algebras and related finite groups of Lie type I
10:00-10:30	Coffee Break	
10:30-11:30	Georgia Benkart	McKay quivers and results on representations I
11:40-12:40	Pramod Achar	Tensor ideals of tilting modules
12:40-2:30	Lunch	
2:30-5:30	Parallel Sessions (20 minute talks) Rooms 302, 303, 304, 322, 328 in Boyd	

Monday, June 11	Room 201, Pharmacy South	
9:00-10:00	Georgia Benkart	McKay quivers and results on representations II
10:00-10:30	Coffee Break	
10:30-11:30	Christopher Bendel	Cohomology of algebraic groups, Lie algebras and related finite groups of Lie type II
11:40-12:40	Vjayanthi Chari	Quantum affine algebras and cluster algebras

12:40-2:30	Lunch	
2:30-3:30	Eric Sommers	Special slices in the nilpotent cone
3:30-4:00	Coffee Break	
4:00-5:00	Nicolas Guay	Twisted Yangians for symmetric pairs of types B, C and D

Tuesday, June 12	Room 201, Pharmacy South	
9:00-10:00	George McNinch	Reductive subgroup schemes of a parahoric group scheme
10:00-10:30	Coffee Break	
10:30-11:30	William Graham	Combinatorics of cominuscule points

Contributed Talk Schedule (June 10th)

Type A	Room 328, Boyd Graduate Studies	Chair: Sobaje
2:30-2:50	William Hardesty	On the modular Lusztig-Vogan bijection
3:00-3:20	Nham Ngo	On the complexities of Frobenius kernels and finite Chevalley groups
3:30-3:50	Rahul Singh	Spaltenstein varieties and orbital varieties
4:00-4:20	Arik Wilbert	Exotic Springer fibers and two-boundary Temperley-Lieb algebras
4:30-4:50	Anne Dranowski	Lusztig datum of an open MV cycle
5:00-5:20	Ziqing Xiang	Support varieties for Hecke algebras

Type B	Room 302, Boyd Graduate Studies	Chair: Xiang
2:30-2:50	Seth Baldwin	Positivity in T-equivariant K-theory of Kac-Moody flag varieties
3:00-3:20	Venkatesh Rajendran	Maximal closed subroot systems of real affine root systems
3:30-3:50	Krishanu Roy	Weyl group orbits of overextended type Π -systems in simply laced Kac-Moody algebras
4:00-4:20	Michael Strayer	Minuscule representations of Kac-Moody algebras
4:30-4:50	Wan-Yu Tsai	The orbit philosophy for Spin groups of type D

Type C	Room 303, Boyd Graduate Studies	Chair: Nakano
2:30-2:50	Garrett Johnson	Subprime solutions of the classical Yang-Baxter equation
3:00-3:20	Bach Nguyen	Quantum cluster algebras at roots of unity
3:30-3:50	Suchada Pongprasert	$D_5^{(1)}$ -geometric crystal corresponding to the Dynkin spin node $i=5$ and its ultra-discretization
4:00-4:20	Veronika Pedic	Weight and Wittaker modules for Weyl vertex algebra
4:30-4:50	Hamaza Alzaareer	Mapping Lie groups (TBC)

Type D	Room 304, Boyd Graduate Studies	Chair: Chan
2:30-2:50	John Pelias	Some aspects of the linear algebra and geometry of the quaternions
3:00-3:20	John Miller	Syzygies and Pieri maps
3:30-3:50	Yue Zhao	Irreducible representations of Cherednik algebras and periodic skew diagrams
4:00-4:20	Alexander Heaton	Graded multiplicity in harmonic polynomials from the Vinberg setting
4:30--4:50	Colin Hagemeyer	Presentation of Lie algebra representation categories: spiders and general confluence

Type Q	Room 322, Boyd Graduate Studies	Chair: Lai
2:30-2:50	Irfan Bagci	Weyl modules and Weyl functors for Lie superalgebras
3:00-3:20	Iva Halacheva	Higher Schur-Weyl duality and the periplectic Lie superalgebra
3:30-3:50	Jieru Zhu	Two boundary centralizer algebras for $gl(n m)$
4:00-4:20	Mee Song Im	On the affine VW supercategory
4:30-4:50	Christopher Drupieski	Rank varieties for infinitesimal supergroup schemes

TBC-to be confirmed

Schedule as of 6/6/18. The schedule may be subject to change.