Knots in Washington 51 April 4-6, 2025

In memory of Roger Fenn and Colin Rourke

Friday April 4 Funger 220

TIME	TALK TITLE	SPEAKER	Remarks
2:30 - 3:00	Coffee and snacks		
3:00 - 3:05	Opening remarks	Jozef H. Przytycki	
3:05 - 3:55	Universal Algebra and its Knot Theory applications	Ania Zamojska-Dzienio (Warsaw University of Technology)	
3:55- 4:15	Coffee Break		
4:15 - 4:35	Relational Structures, Logical Limit Laws, and Layered Permutations	Matthew Kukla (GWU)	Zoom Available
4:35-4:45	Coffee Break		
4:45-5:05	Annular links and categorified invariants	Fraser Binns (Princeton University)	
5:05-5:20	Coffee Break (and 1st conference Picture)		
5:20-6:00	Thompson's Groups, Annular Links, and Tangles	Louisa Liles (University of Virginia)	Distinguished Graduate Student Speaker

Saturday April 5 Phillips 111

TIME	TALK TITLE	SPEAKER	Remarks
9:30 - 10:00	Breakfast		
10:00 - 10:50	A Seifert algorithm for integral homology spheres	William Menasco (University at Buffalo)	
10:50 - 11:10	Coffee Break		
11:10 - 11:30	Topological Properties of null-geodesic refocusing and applications to Z^x manifolds.	Friedrich Bauermeister (Dartmouth College)	
11:30 - 11:40	Coffee Break		
11:40 - 12:00	Quandle Quivers and Bridge Numbers	Puttipong Pongtanapaisan (Arizona State University)	
12:00 - 2:00	LUNCH - Pizza Provided		
2:00 - 2:50	Configuration spaces of points and the mapping class groups of 4-manifolds	Boyu Zhang (University of Maryland)	
2:50 - 3:10	Coffee Break (and 2nd conference photo)		
3:10 - 3:30	Diagrammatic Unknotting Number is NP-hard	Jaeyun Bae (Rutgers University–Newark)	
3:30 - 3:40	Coffee Break		
3:40 - 4:30	Geometric structures and PSL(2,C)-representations of knot groups from knot diagrams	Anastasiia Tsvietkova (Rutgers University-Newark)	
4:30 - 4:50	Coffee Break		
4:50 - 5:10	Dihedral solutions of the set-theoretical Yang-Baxter equation	Ania Zamojska-Dzienio (Warsaw University of Technology)	
5:10 - 5:20	Coffee Break		
5:20 - 6:00	Low dimensional homology of Yang-Baxter operators yielding the HOMFLYPT polynomial	Ben Clingenpeel (GWU)	Distinguished Graduate Student Speaker
6:00 - 6:20	Coffee Break		
6:20 - 6:40	ТВА		
~7:30 -	Conference Party!		

Sunday April 6 Phillips 111

TIME	TALK TITLE	SPEAKER	Remarks
9:30 - 10:00	Breakfast		
10:00 - 10:50	SL(3) link homology for links and tangles	Mikhail Khovanov (Johns Hopkins University)	Zoom Available
10:50 - 11:10	Coffee Break		
11:10 - 11:30	Irreducible components of two-row Springer fibers of classical type and Nakajima quiver varieties	Mee Seong Im (Johns Hopkins University)	Zoom
11:30 - 11:40	Coffee Break		
11:40 - 12:00	Homology Yang Baxter Operators Yielding HOMFLYPT	Jinseok Oh (KNU)	
12:00-12:10	Coffee Break		
12:10-12:30	Algebraic Curves and TQFTs	Catherine Lillja (Johns Hopkins University)	Zoom Available
12:30 - 1:00	LUNCH - Pizza Provided		
1:00 - 1:50	Knot Logic and Arborescent Links	Louis H. Kauffman (UIC)	Zoom
1:50 - 2:10	Coffee Break		
2:10 - 2:30	A range of the ranks of the set-theoretic Yang-Baxter homology of Alexander biquandles	Jinseok Oh (Kyungpook National University)	