

# SCHEDULE for Knots in Washington XLVII

Sunday, January 20, 2019

The talks take place in **Phillips Hall B152, B156, and 111**, 801 22nd Street, N.W. Washington, DC

9:30 – 10:00	Breakfast			
10:00 – 10:50	Charles Frohman (The University of Iowa), <b>Moduli of Tangle Invariants (Phillips Hall B156)</b>			
10:50 – 11:10	Coffee break			
	Session 1 (Phillips Hall B156)		Session 2 (Phillips Hall B152)	
11:10 – 11:35	Vladimir Chernov	Conjectures on the Relations of Linking and Causality in Causally Simple Spacetimes	Akira Yasuhara	Burnside Groups and $n$ -Moves for Links
11:45 – 12:10	AJ Stas	Translation Distance Bounds for Fibered 3-Manifolds with Boundary	Kodai Wada	Classification of String Links up to $2n$ -Moves and Link-Homotopy
12:20 – 12:45	Puttipong Pongtanapaisan	Links with Topologically Minimal Bridge Spheres	Nafaa Chbili	The Jones Polynomial of Quasi-Alternating Links
12:45 – 2:00	Lunch. Pizza is to be provided by the organizers			
2:00 – 2:50	Adam Saltz (University of Georgia), <b>Link Homology, Bridge Trisections, and Invariants of Knotted Surfaces (Phillips Hall B152)</b>			
2:50 – 3:10	Coffee break			
	Session 1 (Phillips Hall B152)		Session 2 (Phillips Hall 111)	
3:10 – 3:35	Louis H. Kauffman	Virtual Knot Cobordism	L.S. Wang	A Philosophy of Knots: Symbolic and Diagrammatic Reasoning
3:45 – 4:10	David Freund	Singular Based Matrices for Virtual 2-Strings	Rama Mishra	Jones Polynomial, Khovanov Homology and Higher Twist Numbers for Weave Knots
4:20 – 4:45	Ken Perko	Semi-Canonical Seifert Surfaces in Simple Symmetric Knot Covers	Hitesh Raundal	Topologies on Sets of Polynomial Knots and the Homotopy Types of the Respective Spaces
4:45 – 5:00	Coffee break			
	Session 1 (Phillips Hall B152)		Session 2 (Phillips Hall 111)	
5:00 – 5:25	Stephan Wehrli	Colored Quantum Annular Khovanov Homology	Nicholas Owad	Snail Links and Random Straight Links
5:35 – 6:00	Casey Necheles	$gl(1 1)$ and an Odd Annular Bar-Natan Category	Philipp Reiter	Elastic Knots
6:10 – 6:35	Marithania Silvero	On Top Khovanov Homotopy Type	Paul Lopata	Dihedral Knot Projections and Their Associated Knots and Links
6:35 – 6:50	Coffee break			
6:50 – 7:30	Alex Chandler (North Carolina State University), <b>Torsion in the Khovanov Homology of Locally Homologically Thin Links (Phillips Hall B152)</b>			
8:00	Small party at Jozef's house			

# SCHEDULE for Knots in Washington XLVII

Monday, January 21, 2019

The talks take place in **Phillips Hall B152** and **B156**, 801 22nd Street, N.W. Washington, DC

9:30 – 10:00	Breakfast			
10:00 – 10:50	Oleg Viro (Stony Brook University), Yet Another Categorification of the Alexander Polynomial (Phillips Hall B156)			
10:50 – 11:10	Coffee break			
	Session 1 (Phillips Hall B156)		Session 2 (Phillips Hall B152)	
11:10 – 11:35	Mohamed Elhamdadi	Ring Theoretic Aspects of Quandles	Rustam Sadykov	On Non-Orientable Surfaces in 4-Manifolds
11:45 – 12:10	Emanuele Zappala	Higher Order Self-Distributivity	Mark Hughes	Describing Surfaces and Isotopies in 4-Manifolds via Banded Unlinks
12:20 – 12:45	Sam Nelson	Quandle Coloring Quivers	Sudipta Kolay	Braid Index of Knotted Surfaces
12:45 – 1:45	Lunch. Pizza is to be provided by the organizers			
1:45 – 2:35	Stepan Orevkov (University of Toulouse, France), Markov Trace on Cubic Hecke Algebra (Phillips Hall B156)			
2:35 – 2:55	Coffee break			
	Session 1 (Phillips Hall B156)		Session 2 (Phillips Hall B152)	
2:55 – 3:20	Masahico Saito	Skein for the Yang-Baxter Homology	Slava Krushkal	Universal Links with Trivial Lagrangian
3:30 – 3:55	Jason Joseph	Quandle Invariants via Bridge Trisections	Alice Kwon	Fully Augmented Links in the Thickened Torus
4:05 – 4:30	Amine Ben Abdeljelil	Generalized Derivation Algebras and Applications	David Ledvinka	An Implementation of Dynamic Programming Algorithm for Computing the Coefficients of the Homflypt Polynomial
4:30 – 4:45	Coffee break			
	Session 1 (Phillips Hall B156)		Session 2 (Phillips Hall B152)	
4:45 – 5:10	Andrei Malyutin	On the Question of Genericity of Hyperbolic Knots and Links	Hitesh Gakhar	Künneth Formulae in Persistent Homology
5:20 – 5:45	Tomo Murao	On the Tunnel Number and the Cutting Number of Handlebody-Knots	Nathan P. Dowlin	A Spectral Sequence from Khovanov Homology to Knot Floer Homology
5:55 – 6:20	Ivan Dynnikov	Transverse-Legendrian Knots		