

SCHEDULE for Knots in Washington XLIII

Friday, December 9, 2016

Talks take place in **Phillips Hall B156**, 801 22nd Street, N.W. Washington, DC

12:30 – 1:00	Welcome and Coffee	
1:00 – 1:05	Opening remarks by Ali Eskandrian, Dean and Professor of Physics	
1:05 – 2:00	Colloquium Talk by Masahico Saito (Univ. of South Florida), Knot colorings by quandles and their animations	
2:00 – 2:20	Coffee break	
2:20 – 3:10	Seiichi Kamada (Osaka City University), Clasp-ribbon surface-links in 4-space	
3:20 – 3:45	Naoko Kamada	Virtual doodles and a quandle type invariant
3:45 – 4:00	Coffee break	
4:00 – 4:40	Seung Yeop Yang (GWU), Distributive Structure Homology and its Applications to Knot Theory	
4:50 – 5:15	Daniel Ruberman	Heegaard Floer invariants of knots in the 4-sphere
5:15 – 5:35	Coffee break	
5:35 – 6:15	Mikhail Khovanov (Columbia University), Stable categories of Hopf algebra modules	
6:25 – 6:50	Jozef H. Przytycki	In the steps of Scott: studying distributive homology

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Saturday, December 10, 2016

Talks take place in **Rome Hall 205 (morning)** and **459 (afternoon)**, and **Phillips Hall 416**, 801 22nd Street, N.W. Washington, DC

9:30 – 10:00	Breakfast			
10:00 – 10:50	J. Scott Carter (University of South Alabama), Globular: Manipulating knots, knotted surfaces, and higher dimensional knots (Rome Hall 205)			
10:50 – 11:10	Coffee break			
11:10 – 11:35	Jamie Vicary	Formal proofs in low-dimensional topology (Rome Hall 205)		
11:35 – 1:10	Lunch. Pizza is to be provided by the organizers in Rome Hall 771			
1:10 – 1:35	Charles Frohman	Representations of the Kauffman Bracket Skein Algebra at Roots of Unity (Rome Hall 459)		
	Session 1 (Rome Hall 459)		Session 2 (Phillips Hall 416)	
1:45 – 2:10	Sam Nelson	Biquandle Virtual Brackets	David Freund	Based Matrices for Links
2:20 – 2:45	Seonmi Choi	Rack homology group of a certain finite quandle	Jonathan Schneider	Weakness of two surface-knot theory models
2:45 – 3:05	Coffee break			
3:05 – 3:30	Adam Lowrance	The Jones polynomial of almost-alternating and Turaev genus one links	Robert Todd	The Alexander polynomial of some virtual knots via the multi-variable Alexander polynomial of links
3:40 – 4:05	Seungwon Kim	A topological characterization of toroidally alternating knots	Mustafa Hajj	Twist Regions and Coefficients Stability of the Colored Jones Polynomial
4:15 – 4:40	Michael Willis	Khovanov homology of infinite braids	Areski Nait Abdallah	Quantum, logic and computing
4:40 – 4:55	Coffee break			
4:55 – 5:20	Dan Scofield	Torsion in Khovanov link homology via chromatic graph cohomology	Wesley Calvert	Locating Boundaries of Machine Learning
5:30 – 5:55	Patricia Cahn	Linking Numbers in 3-Manifolds (Rome Hall 459)		
6:05 – 6:30	Ken Perko	Linking in 3-colored knot covers (Rome Hall 459)		
7:30	Small party at Jozef's house			

SCHEDULE for Knots in Washington XLIII

Sunday, December 11, 2016

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	Dror Bar Natan (University of Toronto), Poly-Time Knot Polynomial Via Solvable Approximation (Phillips B156)			
10:50 – 11:10	Coffee break			
	Session 1 (Phillips Hall B156)		Session 2 (Phillips Hall B152)	
11:10 – 11:35	Tatsuya Tsukamoto	Alexander polynomials of simple-ribbon knots	Moshe Cohen	Random 2-bridge Chebyshev billiard table diagrams
11:45 – 12:10	Peter Ulrickson	K-theory and 1-dimensional supersymmetric Euclidean field theories	Kodai Wada	On Milnor's link-homotopy invariants
12:20 – 12:45	Michael Abel	Stable colored HOMFLY-PT homology for torus links	Mohamed Elhamdadi	Classifications of Topological Quandles on the reals
12:45 – 2:10	Lunch. Pizza is to be provided by the organizers			
2:10 – 2:35	Nicholas Owad	Straight knots - A new invariant	Lowell Abrams	A family of self-trial ribbon graphs that are not self-dual
2:45 – 3:10	Michal Jablonowski	On an algebraic description of marked braid diagrams for surface-links		
3:10 – 3:30	Coffee break			
3:30 – 3:55	Nikita Alexeev	Whole genome duplication and embedded graphs		
4:05 – 4:30	Maciej Mroczkowski	Dubrovnik and Kauffman two variables skein modules of the lens spaces $L(p, 1)$		