KNOTS IN WASHINGTON XXXI
SCHEDULE

Friday December 3, 2010

Phillips Hall
801 22nd Street, N.W. Room B152

12:45 − 1:00	**Coffee and refreshments**	
1:00 − 1:03	**Opening remarks by Ali Eskandarian** **Senior Associate Dean for Strategic Initiatives and Research**	
1:03 − 2:03	Bob Coecke	The logic of quantum mechanics - take 2
2:00 − 2:30	**Coffee break**	
2:30 − 3:20	J. Scott Carter	An Introduction to Quandles, Their Homology, and Applications
3:20 − 3:45	**Coffee break**	
3:45 − 4:10	Masahico Saito	Knot invariants from categorical quandles and Alexander modules
4:20 − 4:45	Sam Nelson	Rack modules and generalizations
4:45 − 4:55	**Coffee break**	
4:55 − 5:20	Sergei Chmutov	Two approaches to virtual Thistlethwaite's theorem
5:30 − 5:55	Michael Brandenbursky	Finite type invariants obtained by counting surfaces
6:15 − 6:40	Patricia Cahn	A Generalization of Turaev's Cobracket and the Minimal Self-Intersection Number of a Virtual String
6:50− 7:15	Yongju Bae	Arc index via alternating tangle decomposition

Saturday December 4, 2010

Rome Hall
801 22nd Street, N.W. Room 459

9:45 − 10:00	**Coffee and refreshments**	
10:00 − 10:50	Oleg Viro	Link invariants a la Alexander module
10:50 − 11:10	**Coffee break**	
11:10 − 12:00	Thomas Jaeger	Khovanov-Rozansky Homology and Mutation
12:20 − 12:45	Samson Black	A new state-sum formula for the Alexander polynomial
12:45 − 2:00	**Pizza provided by organizers**	
2:00 − 2:50	Joanna Kania-Bartoszynska	The A-Polynomial, Reidemeister Torsion and Quantum Invariants
2:50 − 3:10	**Coffee break**	
3:10 − 4:00	Mikhail Khovanov	Categorification and bilinear forms
4:00 − 4:20	**Coffee break**	
4:20 − 4:55	Hao Wu	Colored Morton-Franks-Williams inequalities
5:05 − 5:30	Matt Hogancamp	SO(3) Kauffman Homology of Graphs and Links
5:30 − 5:45	**Coffee break**	
5:45 − 6:10	Adam Lowrance	A Turaev surface approach to Khovanov homology
6:20 − 6:45	Krzysztof Putyra	Self duality of odd Khovanov homology
6:50 − 7:15	Jozef H. Przytycki	Homology theory in which distributivity replaces associativity
8:00	**Small party at Józef's house**	

Sunday December 5, 2010

Rome Hall
801 22nd Street, N.W. Room 459

9:45 − 10:00	**Coffee and refreshments**	
10:00 − 10:50	Prudence Heck	Concordance in non-simply connected manifolds
10:50 − 11:00	**Coffee break**	
11:00 − 11:50	Samuel Lomonaco	Quantum Knots and their Applications
12:00 − 12:25	Ryan Blair	Width is not Additive
12:30 − 12:55	Alexander Zupan	Unexpected local minima in the width complexes for knots
12:55 − 2:00	**Pizza provided by organizers**	
2:00 − 2:50	Ben Cooper	Categorification of the Jones-Wenzl Projectors
2:50 − 3:00	**Coffee break**	
3:00 − 3:50	Chi-Kwong Li	Quantum Error Correction and Generalized Numerical Ranges
3:50 − 4:15	**Coffee break**	
4:15 − 5:05	Andrew Cross	Evaluation of Fault-Tolerant Code Deformation
5:15 − 5:40	Noboru Ito	On some versions of Khovanov homology