KNOTS IN WASHINGTON XXXII
SCHEDULE

Friday April 29, 2011

Rome Hall Room 459
801 22nd Street

12:45 − 1:00	**Coffee and refreshments**	
1:00 − 1:05	**Opening remarks by Yongwu Rong** **(rising Chairman of the Math. Department)**	
1:05 − 2:05	Robert Ghrist (UPenn)	Towards Categorification in Applied Mathematics
2:05 − 2:35	**Coffee break**	
2:35 − 3:25	Matt Sequin (Ohio State University)	Comparing Quantum Invariants of 3-Manifolds
3:25 − 3:45	**Coffee break**	
3:45 − 4:45	Samson Abramsky (Oxford)	The topology of non-locality and contextuality
4:45 − 5:15	**Coffee break**	
5:15 − 5:45	Thomas Kerler (Ohio State University)	Gauge Twists and Hennings TQFT's

Saturday April 30, 2011

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9:30 − 10:00	Coffee and refreshments	
10:00 − 10:25	Carmen Caprau (CSU)	Trivalent graphs and the Kauffman polynomial
10:35 − 10:50	Razvan Gelca (Texas Tech U.)	Representations of the Kauffman bracket skein algebra of the punctured torus
10:50 − 11:15	Coffee break	
11:15 − 11:40	Noboru Ito (Waseda)	A relation between Khovanov homology and Kirby moves
11:50 − 12:15	Krzysztof Putyra (Columbia U.)	Mirror knots have dual odd Khovanov homology
12:15 − 2:00	Pizza provided by organizers	
2:00 − 2:50	Scott Carter (U. of South Alabama)	Theory of Quandles
2:50 − 3:10	Coffee break	
3:10 − 3:35	Sam Nelson (CMC)	BiKei and unoriented link invariants
3:45 − 4:10	Adam Sikora (SUNY Buffalo)	Distributive products and their homology
4:20–4:45	Jozef Przytycki (GWU)	Weak and very weak simplicial modules: application to homology of distributive structures
4:45 − 5:10	Coffee break	
5:10–6:00	Vladimir Chernov (Dartmouth College)	Causality in spacetimes and Legendrian linking
6:00 − 6:20	Coffee break	
6:20 − 6:45	Ted Turner (GWU)	Shift automorphisms of free groups and homeomorphisms of graphs
8:00	Small party at Józef's house	

Sunday May 1, 2011

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9:30 − 10:00	**Coffee and refreshments**	
10:00 − 10:50	Joan Licata (Stanford)	Invariants for knots in circle bundles
10:50 − 11:10	**Coffee break**	
11:10 − 12:00	Bob Coecke (Oxford)	From topology, via quantum entanglement, to arithmetic
12:00 − 12:20	**Coffee break**	
12:20 − 12:45	Robert Owczarek (Enfitec, Inc.)	Is quantum computing with superfluid helium possible: a potential role of Khovanov homology
12:45 − 2:00	**Pizza provided by organizers**	
2:00 − 2:25	Wesley Calvert (Southern Illinois U.)	The Geometry of Undecidability
2:25 − 3:00	**Coffee break**	
3:00 − 3:50	Mikhail Khovanov (Columbia U.)	Categorification of quantum groups