SCHEDULE for Knots in Washington XXVII — Friday, January 9, 2009

Talks take place on the 3rd floor of the Media and Public Affairs Building, 805 21st St. (corner with H St.) NW, Washington, DC

10:00 – 10:30	**Breakfast**			
10:30 – 10:35	**Opening remarks by Dean Baratt (room 310)**			
10:35 – 11:25	**Aaron Lauda** (Columbia University), **Categorification of Quantum Groups (room 310)**			
11:25 – 11:40	**Coffee break**			
	Session 1 (room 310)		**Session 2 (room 305)**	
11:40 – 12:00	Alexander Hoffnung	A categorification of Hecke algebras	Jana Archibald	The Multivariable Alexander Polynomial on Tangles
12:10 – 12:30	Tetsuya Abe	The alternation number and the Rasmussen invariant	Ryo Hanaki	Pseudo diagrams of knots, links and spatial graphs
12:40 – 1:00	Radmila Sazdanovic	Plane diagrammatics and categorification	Junsuke Kanadome	On an inequality between unknotting number and crossing number of links
1:10 – 1:30	Scott Morrison	Failing to disprove the smooth 4-d Poincare conjecture	Ramin Naimi	Known and new results on intrinsically knotted and linked graphs
1:30 – 3:00	**Lunch**			
3:00 – 3:50	**Mikhail Khovanov** (Columbia University), **Diagrammatics of categorifications (room 310)**			
3:50 – 4:10	**Coffee break**			
	Session 1 (room 310)		**Session 2 (room 305)**	
4:10 – 4:30	Alexander Fel'shtyn	How to categorify dynamical zeta functions	Sam Nelson	Link invariants from finite racks
4:40 – 5:00	Uwe Kaiser	Bar-Natan modules and Bar-Natan pairings of oriented 3-manifolds	Toshiyuki Oikawa	On a local move for virtual knots and links
5:10 – 5:30	Ben Webster	A geometric description of colored HOMFLYPT homology	Allison Henrich	Semiquandles and flat virtuals
5:30 – 5:50	**Coffee break**			
5:50 – 6:10	Emmanuel Wagner	Grid Diagrams, Jones Polynomial and Khovanov Homology	Colin Adams	Complementary Regions of Knot and Link Projections
6:20 – 6:40	Adam McDougall	A Diagramless Homology	Reiko Shinjo	Spatial graph diagrams with prescribed subdiagram partitions and their applications.

SCHEDULE for Knots in Washington XXVII — Saturday, January 10, 2009

Talks take place on the 3rd floor of the Media and Public Affairs Building, 805 21st St. (corner with H St.) NW, Washington, DC

10:00 – 10:30	**Breakfast**			
10:30 – 11:20	**Paul Turner** (Fribourg and Heriot-Watt Universities), **Presheaves, posets and Khovanov homology (room 310)**			
11:20 – 11:40	**Coffee break**			
	Session 1 (room 310)		**Session 2 (room 305)**	
11:40 – 12:00	Cornelia Van Cott	Obstructions to slicing Bing doubles	Ilya Kofman	A new twist on Lorenz links
12:10 – 12:30	Yasuyoshi Yonezawa	Toward categorification of MOY link invariant via matrix factorization	Michael Eisermann	Finite type invariants of links and surfaces in 3-space
12:40 – 1:00	Abhijit Champanerkar	Quasi-tree expansion for the Bollobas-Riordan-Tutte polynomial	Takuji Nakamura	C_n-moves and periodic knots
1:10 – 1:30	Kokoro Tanaka	Khovanov homology for virtual links with two types of maps for Möbius cobordisms	Louis H. Kauffman	A Graphical Bracket Polynomial for Virtual Knots
1:30 – 2:30	**Lunch, to be provided by the organizers**			
2:30 – 3:20	**Krzysztof Putyra** (Jagiellonian University), **Odd homology of tangles and cobordisms (room 310)**			
3:20 – 3:40	**Coffee break**			
	Session 1 (room 310)		**Session 2 (room 305)**	
3:40 – 4:00	Adam Lowrance	The Khovanov width of closed 3-braids	Heather A. Dye	The Arrow Polynomial
4:10 – 4:30	Benjamin Audoux	Singular link Floer Homology	Masakazu Teragaito	Knots yielding homeomorphic lens spaces by Dehn surgery
4:40 – 5:00	Kenji Aragane	Braid group representations arising from the affine Grassmannian and factorization spaces	Kanako Oshiro	Surface-links whose triple point numbers are exactly $2n$
5:00 – 5:20	**Coffee break**			
5:20 – 5:40	Tamara Widmer	Quasi-alternating Montesinos links	Akira Yasuhara	Classification of string links up to self delta-moves and concordance
5:50 – 6:10	Sumiko Horiuchi	Almost alternating knots producing an alternating knot	Tatsuya Tsukamoto	Delta-cobordism of certain satellite links
6:20 – 6:40	**Scott Carter** (U. of S. Alabama), **An explicit sphere eversion — 50 years after Smale's Theorem (room 310)**			

SCHEDULE for Knots in Washington XXVII Sunday, January 11, 2009

Talks take place on the 3rd floor of the Media and Public Affairs Building, 805 21st St. (corner with H St.) NW, Washington, DC

10:00 – 10:30	**Breakfast**			
10:30 – 11:20	**Kimihiko Motegi** (Nihon University, Japan), **Seifert surgeries on knots and their network (room 310)**			
11:20 – 11:40	**Coffee break**			
	Session 1 (room 310)		**Session 2 (room 309)**	
11:40 – 12:00	Oleg Viro	Strangeness of immersed or real algebraic curves in the projective plane	Chad Giusti	Plumbers' knots and unstable Vassiliev theory
12:10 – 12:30	Susan Williams	Riley Polynomials of 2-Bridge Knots	Yuya Koda	Colored Turaev-Viro invariants of twist knots
12:40 – 1:00	Fumikazu Nagasato	On the number of irreducible components of a slice of the character variety of a knot group	Daniel Matignon	Problem of knot complement in lens spaces
1:10 – 1:30	Melissa Macasieb	Commensurability Classes of $(-2, 3, n)$ pretzel knots	Heather Molle	The Quantum Hyperbolic Invariants of the Figure Eight Knot
1:30 – 2:30	**Lunch, to be provided by the organizers**			
2:30 – 3:20	**Michael Sullivan** (Univ. of Massachusetts, Amherst), **Open string topology and knots (room 310)**			
3:20 – 3:40	**Coffee break**			
	Session 1 (room 310)		**Session 2 (room 309)**	
3:40 – 4:00	Vincent Blanoleil	Pull Back Relation for Non-Spherical Knots	Masahico Saito	Frobenius modules and essential surface cobordisms
4:10 – 4:30	Barbara Jablonska	Surfaces associated to a knotted space curve	Ivan Dynnikov	Small braids with large ultra summit sets
4:40 – 5:00	Joshua Greene	Non-quasi-alternating Montesinos links, and lens space surgeries on knots	John Armstrong	A construction on Tangles Extending the A-Polynomial