SCHEDULE for Knots in the Triangle XLII Friday, April 29, 2016

1:00 – 1:05	**Opening remarks by Dean William Ditto, College of Sciences** (SAS 1102)
1:05 – 1:55	**Effie Kalfagianni** (Michigan State University) **Properties of the degree of colored Jones polynomials** (SAS 1102)
1:55 – 2:15	**Coffee break**
2:15 – 3:05	**Oleg Viro** (Stony Brook University) **Geometry of secants** (SAS 1102)
3:05 – 3:20	**Coffee break**

	Session 1 (SAS 1102)		**Session 2 (SAS 2102)**	
3:20 – 3:45	Anh Tran	The AJ conjecture for cable knots	Tye Lidman	Some remarks on the nugatory crossing conjecture
3:55 – 4:20	Katherine Walsh	Higher order stability in the colored Jones polynomial	Seung Yeop Yang	Geometric realizations of distributive structure homology and shadow homotopy invariants
4:30 – 4:55	Iva Halacheva	Tangles and the Alexander polynomial: studying related invariants	Xiao Wang	Equivalence of "graphic" and "algebraic" definitions of set-theoretic Yang-Baxter homology
4:55 – 5:10	**Coffee break**			

	Session 1 (SAS 1102)		**Session 2 (SAS 2102)**	
5:10 – 5:35	Huan Vo	On the $\mathfrak{sl}_2$ weight system and intersection graphs	Thomas Riggs	Counting cycles in directed graphs
5:45 – 6:10	Dan Scofield	Torsion in Khovanov link homology via chromatic graph cohomology	Pengyu Li	On the braid index of alternating braids

SCHEDULE for Knots in the Triangle XLII Saturday April 30, 2016

10:00 – 10:50	**Mikhail Khovanov** (Columbia University) **Reflections on categorification** (SAS 1102)			
10:50 – 11:10	**Coffee break**			
	Session 1 (SAS 1102)		**Session 2 (SAS 1108)**	
11:10 – 11:35	Juanita Pinzon Caicedo	Independence of Whitehead doubles of torus knots in the smooth concordance group	Vladimir Vershinin	Brunnian braids and Lie algebras
11:45 – 12:10	Reiko Shinjo	On coherent regions of a oriented knot diagram	Adam Lowrance	The Jones polynomial of almost alternating and Turaev genus one links
12:20 – 12:40	**Ester Dalvit** (University of Toronto) **A movie on knotted surfaces in 4-space** (SAS 1102)			
12:40 – 2:00	**Lunch (pizza, in SAS) + Movie by Ester Dalvit**			
2:00 – 2:50	**Dror Bar-Natan** (University of Toronto) **Gauss-Gassner Invariants** (SAS 1102)			
	Session 1 (SAS 1102)		**Session 2 (SAS 1108)**	
3:10 – 3:35	Masahico Saito	Cocycle knot invariants with topological quandles	Patrick Gilmer	On the Kauffman bracket skein module of the 3-torus
3:45 – 4:10	Zhiyun Cheng	On twisted cocycle invariants with coefficient $\mathbb{Z}$	Jonathan Paprocki	On Kauffman bracket skein algebras of marked surfaces and the Chebyshev-Frobenius homomorphism
4:20 – 4:45	Sam Nelson	Bikei homology	Huygens Ravelo-manana	Exceptional cosmetic surgeries on S^3
4:45 – 5:00	**Coffee break**			
5:00 – 5:50	**Eugene Gorsky** (UC Davis) **Homology of Jucys-Murphy elements and the flag Hilbert scheme** (SAS 1102)			
6:00 – 6:25	Ken Perko	Branched covers of tricolored knots (SAS 1102)		
7:00	**Conference Dinner at David's dumplings**			

SCHEDULE for Knots in the Triangle XLII Sunday, May 1, 2016

10:00 – 10:50	**Caitlin Leverson** (Duke University) **Legendrian Link Invariants** (SAS 1102)			
10:40 – 11:00	**Coffee break**			
	Session 1 (room 1102)		**Session 2 (room 1108)**	
11:00 – 11:25	Lenny Ng	Knot contact homology and string topology		
11:35 – 12:00	Yu Pan	The augmentation category map induced by exact Lagrangian cobordisms	Kodai Wada	Milnor invariants of covering links
12:10 – 12:35	Michael Abel	HOMFLY-PT homology of general link diagrams up to braidlike isotopy and its decategorification	Elizabeth Denne	Ribbonlength of knot diagrams
12:35 – 2:00	**Lunch**			
2:00 – 2:50	**Louis H. Kauffman** (UIC) **Elements of Khovanov Homology and Khovanov Homotopy** (SAS 1102)			
3:05 – 3:30	Ben Webster	Annular homology and Hochschild homology		
3:40 – 4:05	Lev Rozansky	On a possible relation between HOMFLY-PT homology and geometric Langlands duality		