SCHEDULE for Knots in Washington XLI   Friday, December 4, 2015

Talks take place in Rooms 101 and 104 of **Government Hall**, 710 21st Street, N.W. Washington, DC

1:00 − 1:05	**Opening remarks**
1:05 − 1:55	**Patrick Gilmer** (Louisiana State University), **Signature jumps and Alexander polynomials for links** (room 104)
1:55 − 2:15	**Coffee break**
2:15 − 3:05	**Vladimir Chernov** (Dartmouth College), **Universal orderability of legendrian isotopy classes** (room 104)
3:15 − 3:40	**Mikhail Khovanov** (Columbia University), **Linearization and categorification** (room 104)
3:40 − 3:55	**Coffee break**

	Session 1 (room 104)		Session 2 (room 101)	
3:55 − 4:20	Ben Cooper	Formal contact categories	Reiko Shinjo	Complementary regions of knot diagrams and the canonical genus of knots
4:30 − 4:55	Neil Hoffman	Asymmetric knots with two cyclic surgeries	Kokoro Tanaka	The canonical genus of Whitehead doubles of non-prime alternating knots
5:05 − 5:30	Kodai Wada	The Milnor invariants of clover links	Jason Suagee	A generalization of α-orientations to higher genus surfaces

5:40 − 6:30	**David E. V. Rose** (Univ. of Southern California), **Khovanov–Rozansky homology and current algebras** (room 104)

SCHEDULE for Knots in Washington XLI Saturday, December 5, 2015

Talks take place in Rooms 101 and 104 of **Government Hall**, 710 21st Street, N.W. Washington, DC

9:30 − 10:00	Breakfast			
10:00 − 10:50	**Oleg Viro** (Stony Brook University), **Real algebraic knot theories** (room 104)			
10:50 − 11:10	Coffee break			
	Session 1 (room 104)		Session 2 (room 101)	
11:10 − 11:35	Adam Lowrance	Signatures and Turaev genera of knots	Vajira Manathunga	Extracting integer invariants from a power series expansion of the Jones polynomial
11:45 − 12:10	Kathryn Bryant	Obstructing sliceness in odd pretzel knots	Nicholas Owad	Recent results concerning bridge spectrum
12:20 − 12:45	Peter Feller	Bounding the topological slice genus using the Seifert pairing	Kyle Istvan	The Kauffman polynomial of periodic links
12:45 − 2:00	Lunch. Pizza is to be provided by the organizers **Kyle Istvan and Nicholas Owad:** **3D printing for knot theory and topology**			
2:00 − 2:50	**Slava Krushkal** (University of Virginia), **Geometric complexity of embeddings** (room 104)			
3:05 − 3:45	**Marithania Silvero** (Universidad de Sevilla), **A geometric realization of extreme Khovanov homology** (room 104)			
3:45 − 4:05	Coffee break			
	Session 1 (room 104)		Session 2 (room 101)	
4:05 − 4:30	Sam Nelson	Biquandle Brackets	Michael Willis	The Kauffman bracket of infinite braids
4:40 − 5:05	Ansgar Wenzel	Knot theory and some invariants	Mark Hughes	Braid rank and detecting quasipositivity of braids
5:15 − 5:40	Leo Selker	Parity biquandle invariants of virtual knots	Lauren Scanlon	Cultural evolution of material knot diversity
5:50 − 6:15	**Samuel Lomonaco** (UMBC), **Higher dimensional knot theory: how I stumbled upon the results** (room 104)			
from 7:00	Small party at Jozef's house			

SCHEDULE for Knots in Washington XLI   Sunday, December 6, 2015

Talks take place in Rooms 351 and 352 of **Rome Hall**, 801 22nd Street, N.W. Washington, DC

9:30 − 10:00	Breakfast				
10:00 − 10:40	**Iva Halacheva** (University of Toronto), **Two generalizations of the multivariable Alexander polynomial** (room 352)				
10:40 − 11:00	Coffee break				
	Session 1 (room 352)		Session 2 (room 351)		
11:00 − 11:25	Krzysztof Putyra	On categorical traces and homology for links in a solid torus	Liangxia Wan	On the genus of a graph	
11:35 − 12:00	Michael Abel	Stable homology of torus links via categorified Young antisymmetrizers	Paul C. Kainen	Every empire has a defendable border region	
12:10 − 12:35	Stephan Wehrli	A (mostly) combinatorial proof of the homology cobordism classification of lens spaces	Migiwa Sakurai	Examples of virtual knots with vanishing n-writhes	
12:35 − 1:50	Lunch. Pizza is to be provided by the organizers				
1:50 − 2:40	**Louis Kauffman** (University of Illinois, Chicago), **Rotational virtual links and quantum link invariants** (room 352)				
2:40 − 3:00	Coffee break				
	Session 1 (room 352)		Session 2 (room 351)		
3:00 − 3:25	Adam S. Sikora	Zero-divisors and central elements in skein algebras	Lowell Abrams	Dualities and trialities from ribbon group stabilizers	
3:35 − 4:00	Zhiyun Cheng	Index type invariants of virtual knots	Areski Nait Abdallah	The logic of partial information and Bohr's complementarity principle in Quantum Mechanics	
4:10 − 4:55	**Joanna Kania-Bartoszynska** (NSF), **Structure of the Kauffman bracket skein algebra** (room 352)				