

Knots in Washington 49.75 April 22-24, 2022.

Friday April 22 (EST) Smith Hall 120

TIME	TALK TITLE	SPEAKER	Format
3:00– 3:05	Opening remarks		
3:05 – 4:05	Hyperbolicity and Turaev Hyperbolicity of Classical and Virtual Knots	Colin C. Adams (Williams College)	In-person
4:05– 4:25	<i>Break</i>		
4:25 – 4:45	Effective Ultrapowers of Graphs	Keshav Srinivasan (George Washington University)	In-person
4:45-4:55	<i>Break</i>		
4:55–5:45	Computing Khovanov homotopy type of 4-braids in polynomial time	Marithania Silvero (University of Seville)	In-person
5:45– 6:00	<i>Break</i>		
6:00– 6:20	A symplectic basis for 3-manifold triangulations	Daniel Matthews (Monash University)	Online
6:20 - 6:30	<i>Break</i>		
6:30 - 7:20	Geometry of alternating links on surfaces	Jessica Purcell (Monash University)	Online

Saturday April 23 (EST) Rome 204

TIME	TALK TITLE	SPEAKER	Format
9:00 – 9:20	On quandle extensions related to group extensions	Kim Byeorhi (POSTECH, Rep. of Korea)	Online
9:25 - 9:45	Torres formula for multivariable link signature	Maciej Markiewicz (University of Warsaw)	Online
9:45 – 10:00	<i>Break</i>		
10:00 – 10:50	Facets of universal construction	Mikhail Khovanov (Columbia University)	In-person
10:50 – 11:10	<i>Break</i>		
11:10 – 11:30	Twistings and the Alexander polynomial	Daren Chen (Stanford)	Online
11:35 – 11:55	Some questions about virtual Legendrian knots	Vladimir Chernov (Dartmouth College)	Online
12:00-12:20	Experimental Knot Music	Sam Nelson (Claremont McKenna College)	In-person
12:20 – 2:00	LUNCH Pizza Provided		
2:00 – 2:50	Link homotopy skein modules and the fundamental group of 3-manifolds	Uwe Kaiser (Boise State University)	In-person
2:50 – 3:10	<i>Break</i>		
3:10- 3:30	Full twists and periodicity of categorified Jones-Wenzl projectors	Christine Ruey Shan Lee (University of South Alabama)	In-person
3:35 – 3:55	Looking at Linking Numbers	Ken Perko	In-Person
4:00– 4:20	Euler's Theorem for regular CW-complexes	Paul Kainen (Georgetown University)	In-person
4:20– 4:30	<i>Break</i>		
4:30 – 5:10	Distinguished Graduate Talk: Conjectures on the Khovanov and Knot Floer Homologies of Legendrian and Transversally Simple Knots	Ryan Maguire (Dartmouth College)	Online
5:10 - 5:20	<i>Break</i>		
5:20 - 5:40	Invariance of Knot Lattice Homology and Homotopy	Seppo Niemi-Colivn (Duke University)	Online
5:45 - 6:05	Quandle representation theory: dihedral and cyclic	Prasad Senesi (The Catholic University of America)	In-person
8:00 - ??	Jozef's party		

Sunday April 24, 2022 (EST) Rome 204

TIME	TALK TITLE	SPEAKER	Format
10:00 – 10:50	One-dimensional topological theories with decorations and finite state automata	Mee Seong Im (United States Naval Academy)	In-person
10:50 – 11:10	<i>Break</i>		
11:10 – 11:30	Chebyshev representation of handle sliding relations in the KBSM	Rhea Palak Bakshi (Institute for Theoretical Studies at ETH Zurich)	In-person
11:35 – 11:55	n-Lie algebras, their cohomology and the Yang-Baxter equation	Emanuele Zappala (Yale University)	Online
11:55-12:05	<i>Break</i>		
12:05 - 12:25	Dihedral Linking Invariants	Patricia Cahn (Smith College)	Online
12:30 - 12:50	The Jones polynomial of a fibered positive link, and the search for knots with minimal almost-alternating diagrams	Lizzie Buchanan (Dartmouth College)	In-person
12:50 -1:00	<i>Break</i>		
1:00-1:50	A State Sum Invariant for Knotoids	Kauffman	Online