

Knots in Washington 49.5 December 3-5, 2021.

Hybrid: In Person part is in GWU Rome 204

**All times are in Eastern Standard time (Washington time)**

Friday December 3 (Eastern Standard time)

TIME	TALK TITLE	SPEAKER	Format
3:00 PM – 3:05 PM	<b>Opening remarks</b>		
3:05 PM – 4:00 PM	<b>Universal construction and foam evaluation I</b>	<b>Mikhail Khovanov</b> (Columbia University)	<b>In-person</b>
4:00 PM – 4:20 PM	<b>Coffee Break</b>		
4:20 PM – 4:40 PM	<b>Looking at Linking Numbers</b>	<b>Ken Perko</b> (Reviewer for Zbl.)	<b>Zoom</b>
4:45 PM – 5:05 PM	<b>The average genus of a 2-bridge knot grows linearly with respect to crossing number</b>	<b>Moshe Cohen</b> (State University of New York at New Paltz)	<b>In-person</b>
5:10 PM – 5:30 PM	<b>Near extremal Khovanov homology of Turaev genus one links</b>	<b>Adam Lowrance</b> (Vassar College)	<b>In-person</b>
5:30 PM – 5:40 PM	<b>Coffee Break</b>		
5:40 PM – 6:00 PM	<b>Biqandle Bracket Quivers</b>	<b>Sam Nelson</b> (Claremont McKenna College)	<b>Zoom</b>
6:05 PM – 6:25 PM	<b>Quandle Coloring Quivers of <math>(p,2)</math>-Torus Knots</b>	<b>Jagdeep Basil</b> (California State University, Fresno)	<b>Zoom</b>
6:25 PM – 6:40 PM	<b>Coffee break</b>		
6:40 PM – 7:20 PM	<b>Distinguished Graduate Student Talk: Agol cycles of flype admitting pseudo-Anosov 3-braids</b>	<b>Elaina Aceves</b> (University of Iowa)	<b>Zoom</b>

Saturday December 4 (Eastern Standard time)

TIME	TALK TITLE	SPEAKER	Format
9:30 AM – 9:50 AM	<b>Some computations on Yang-Baxter homology</b>	<b>Xiao Wang</b> (Jilin University)	<b>Zoom</b>
9:50 AM – 10:00 AM	<b>Coffee break</b>		
10:00 AM – 10:50 AM	<b>Universal construction and foam evaluation II</b>	<b>Mikhail Khovanov</b> (Columbia University)	<b>In-Person</b>
10:50 AM – 11:10 AM	<b>Coffee break</b>		
11:10 AM – 11:30 AM	<b>Towards a spectral sequence from HOMFLYPT to Heegaard-Floer knot homology</b>	<b>Krzysztof Putyra</b> (University of Zurich)	<b>Zoom</b>
11:35 AM – 11:55 AM	<b>k-root extraction problem for generic braids</b>	<b>Marithania Silvero</b> (Universidad de Sevilla)	<b>Zoom</b>
12:00 PM – 12:20 PM	<b>On the KBSM of the connected sum of two solid tori</b>	<b>Rhea Palak Bakshi</b> (Institute for Theoretical Sciences, ETH Zurich)	<b>Zoom</b>
12:20 PM – 2:00 PM	<b>LUNCH</b>		
2:00 PM – 2:50 PM	<b>A State Sum Invariant for Knotoids</b>	<b>Louis Kauffman</b> (University of Illinois at Chicago)	<b>Zoom</b>
2:50 PM – 3:10 PM	<b>Coffee break</b>		
3:10 PM – 3:30 PM	<b>Cosmetic crossings, cosmetic surgery and Conway spheres</b>	<b>Allison Moore</b> (Virginia Commonwealth University)	<b>In-Person</b>
3:35 PM – 3:55 PM	<b>Computing tunnel number for low crossing knots</b>	<b>Nicolas Owad</b> (Hood College)	<b>In-Person</b>
4:00 PM – 4:20 PM	<b>Ternary self-distributive operations and quantum invariants of knots</b>	<b>Emanuele Zappala</b> (Yale University)	<b>Zoom</b>
4:20 PM – 4:30 PM	<b>Coffee break</b>		
4:30 PM – 5:20 PM	<b>Amusing permutation representations of finite subgroups of SU(2)</b>	<b>Scott Carter</b> (University of South Alabama)	<b>Zoom</b>
5:20 PM – 5:40 PM	<b>Coffee break</b>		
5:40 PM – 6:00 PM	<b>The second term in knot Floer homology</b>	<b>Yi Ni</b> (Cal Tech)	<b>Zoom</b>
6:05 PM – 6:25 PM	<b>Generalised knots and how they can be braided</b>	<b>Roger Fenn</b> (University of Sussex)	<b>Zoom</b>
6:30 PM – 6:50 PM	<b>Knotted handlebodies</b>	<b>Maggie Miller</b> (Stanford)	<b>Zoom</b>
6:55 PM – 7:15 PM	<b>Classifying fibered, homotopy-ribbon disks</b>	<b>Jeffery Meier</b> (Western Washington University)	<b>Zoom</b>
7:45 PM-	<b>Possible Small Party at Jozef and Teresa's house</b>		

Sunday December 5 (Eastern Standard time)

TIME	TALK TITLE	SPEAKER	Format
9:05-9:25	On invariants for links and surface-links via Kauffman bracket magmas	Seonmi Choi (Kyungpook National University)	Zoom
9:30 – 9:50	Knots in $(S_g \times S^1)$ and information for crossings	Seongjeong Kim (Jilin University)	Zoom
9:50 – 10:00	Coffee break		
10:00 – 10:50	The representation theory of the Kauffman Bracket Skein algebra	Charles Froman (The University of Iowa)	Zoom
10:50 – 11:10	Coffee break		
11:10 – 11:30	Lagrangian Realizations of Ribbon Cobordisms	Caitlin Levenson (Bard College)	In-Person
11:35 – 11:55	Bilinear pairings on two-dimensional cobordisms and generalizations of the Deligne category.	Radmila Sazdanovic (North Carolina State)	Zoom
12:00 – 12:20	The Ropelengths of Alternating Knots	Yuanan Diao (University of North Carolina at Charlotte)	Zoom
12:20 – 2:00	LUNCH		
2:00 – 2:50	Reduced Kauffman bracket skein module of a 3-manifold	Joanna Kania-Bartoszyńska (NSF)	Zoom
2:50 – 3:10	Coffee Break		
3:10- 3:30	Algebraic concordance and almost classical knots	Micah Chrisman (The Ohio State University)	Zoom
3:35 – 3:55	Introduction to representations of wreath products and foams	Mee Seong Im (United States Naval Academy)	In-Person