

# (2022) GTA: Philadelphia – Conference Schedule

Please note: All times are given in EDT

Talks marked with a dagger (†) indicate expository talks

Talks marked with a star \* indicate virtual talks

## Friday, May 20th

	SERC 110A Zoom ID: <a href="#">951 1357 8865</a>	SERC 110B Zoom ID: <a href="#">951 4424 9630</a>	SERC 108A Zoom ID: <a href="#">974 1095 2430</a>	SERC 116 Zoom ID: <a href="#">915 5920 6956</a>
12:00pm – 2:00pm	Registration SERC Lobby			
2:00pm – 3:00pm	Isolated Points on Curves <i>Bianca Viray</i> SERC 116 Zoom Meeting ID: <a href="#">915 5920 6956</a>			
3:00pm – 3:30pm	Coffee/Tea Break SERC Lobby			
3:30pm – 4:00pm	Kudla-Rapoport Conjecture at Ramified Primes * <i>Qiao He</i>	Symplectic Instanton Knot homology <i>David White</i>	Local-Global Principles for Quadratic Forms over Function Fields * <i>Connor Cassady</i>	Metric Spaces of Arbitrary Finitely-Generated Scaling Groups <i>Daniel Levitin</i>
4:15pm – 4:45pm	Understanding Weight Filtrations via Derived Motivic Measures <i>Anubhav Nanavaty</i>	Pillowcase Homology and Singular Instanton Homology <i>Kai Smith</i>	The Atiyah-Bott Localization Formula in Enumerative Geometry (†) * <i>Dohoon Kim</i>	Large Scale Homology <i>Zihao Liu</i>

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## Saturday, May 21st

	SERC 110A Zoom ID: <a href="#">951 1357 8865</a>	SERC 110B Zoom ID: <a href="#">951 4424 9630</a>	ENGR 126 Zoom ID: <a href="#">974 1095 2430</a>	SERC 116 Zoom ID: <a href="#">915 5920 6956</a>
9:00am – 9:30am	Breakfast <i>SERC Lobby</i>			
9:30am – 10:30am	Floer Theoretic Invariants of Three-Manifolds and their Localization <i>Francesco Lin</i> <i>SERC 116</i> Zoom Meeting ID: <a href="#">915 5920 6956</a>			
10:30am – 11:00am	Coffee/Tea Break <i>SERC Lobby</i>			
11:00am – 11:30am	The Geometry of Sextics and Resolvent Problems <i>Sidhanth Raman</i>	On a Family of Pseudo-Anosov Braids, and an Invitation to Train Tracks <i>Ethan Farber</i>	Combinatorics of Exceptional Sequences of Type A <sub>n</sub> <i>Raymond Maresca</i>	The Bergman Kernel and Biholomorphic Mappings of Pseudoconvex Domains (†) <i>Achinta Nandi</i>
11:45am – 12:15pm	Higher Rank Brill-Noether Theory on P <sup>2</sup> (pt. 1) <i>Ben Gould</i>	Knot Floer Homology and Train Track Maps <i>Braeden Reinoso</i>	Admissibility of Groups: An Application of Field Patching (†) <i>Yael Davidov</i>	On Dehn Functions of Mapping Tori of Hyperbolic Groups * <i>Qianwen Sun</i>
12:30pm – 1:00pm	Higher Rank Brill-Noether Theory on P <sup>2</sup> (pt. 2) <i>Yeqin Liu</i>	Some Detection Results for Link Floer Homology <i>Fraser Binns</i>	From Free by Z to W <sub>n</sub> by Z (†) <i>Mackenzie McPike</i>	An Alexander Method for Infinite-Type Surfaces <i>Roberta Shapiro</i>
1:00pm – 2:30pm	Lunch Break <i>SERC Lobby</i>			
2:30pm – 3:30pm	Panel on Diversity, Inclusion and Justice in Mathematics <i>Tarik Aougab, Rochelle Gutierrez, Marissa Loving, Candice Price</i> <i>SERC 116</i> Zoom Meeting ID: <a href="#">915 5920 6956</a>			
3:30pm – 4:00pm	Coffee/Tea Break <i>SERC Lobby</i>			
4:00pm – 5:00pm	Counting Pairs of Saddle Connections * <i>Jayadev Athreya</i> <i>SERC 116</i> Zoom Meeting ID: <a href="#">915 5920 6956</a>			
6:30pm –	Banquet <i>Cherry Street Pier</i> <i>121 North Columbus Boulevard, Philadelphia, PA 19106</i>			

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## Sunday, May 22nd

	SERC 110A Zoom ID: <a href="#">951 1357 8865</a>	SERC 110B Zoom ID: <a href="#">951 4424 9630</a>	SERC 108A Zoom ID: <a href="#">974 1095 2430</a>	SERC 116 Zoom ID: <a href="#">915 5920 6956</a>
9:00am – 9:30am	Breakfast <i>SERC Lobby</i>			
9:30am – 10:30am	Enumerative Geometry, Quantum Cohomology, and Beyond <i>Linda Chen</i> <i>SERC 116</i> Zoom Meeting ID: <a href="#">915 5920 6956</a>			
10:30am – 11:00am	Coffee/Tea Break <i>SERC Lobby</i>			
11:00am – 11:30am	Infinite Staircases in Symplectic Embeddings <i>Nicki Magill</i>	Twisted Trisection <i>Terrin Warren</i>	On Tor-Rigidity and the Reflexivity of Tensor Products * <i>Uyen (Enni) Le</i>	Twisted Alexander Polynomials and a Conjecture by Dunfield-Friedl-Jackson (†) <i>Michael Marinelli</i>
11:45am – 12:15pm	Introduction to Galois Descent (†) <i>Tamar Blanks</i>	A Hedden-Style Conjecture for String Links <i>Justin Bryant</i>	Differential Graded Algebra Structures on Minimal Resolutions of Local Rings (†) * <i>Alexis Hardesty</i>	The Jones Polynomial of a Fibered Positive Link, and the Search for Knots with Minimal Almost-Alternating Diagrams <i>Lizzie Buchanan</i>
12:30pm – 1:00pm	Distractions and Generic Initial Ideals * <i>Anna-Rose Wolff</i>	Seiberg-Witten Floer K-Theory and Cyclic Group Actions on Spin 4-Manifolds with Boundary <i>Ian Montague</i>	An Invitation to Riordan Group Theory (†) * <i>Shakuan Frankson</i>	Milnor's Invariants for Knots in Spherical 3-Manifolds <i>Ryan Stees</i>
1:00pm – 2:30pm	Lunch <i>SERC Lobby</i>			