

Invited conference talks

- Georgia Topology Conference, University of Georgia, Athens, GA
May 2024, *Knot invariants from branched covers of 4-manifolds*
- AMS Fall Southeastern Sectional Meeting, University of South Alabama, Mobile, AL
October 2023, *Four-ball genus bounds from the $10/8+4$ Theorem*
- AWM Research Symposium, Clark Atlanta University
October 2023, *Four-ball genus bounds from the $10/8+4$ Theorem*
- Midwest Topology Seminar, Purdue University
April 2023, *Knot genus bounds from the $10/8+4$ Theorem*
- Spring Topology and Dynamics Conference, Rhodes College (online)
March 2023, *Extending branched covers of S^3 over B^4*
- AMS Fall Western Sectional Meeting, University of Utah, Salt Lake City, UT
October 2022, *Extending branched covers of S^3 over B^4*
- AMS-SMF-EMS Joint International Meeting, Université Alpes Sud, Grenoble, France
July 2022 $\mathbb{C}P^2$ -*slicing numbers of knots*
- New Developments in Four Dimensions, University of Victoria, Victoria, Canada
June 2022, *Knot invariants from metabelian quotients*
- AMS Spring Central Sectional Meeting, Purdue University, IN (online)
March 2022, *Slicing knots in definite manifolds*
- AMS Spring Central Sectional Meeting, Purdue University, IN (online)
March 2022, *Characteristic knots*
- AMS Fall Southern Sectional Meeting, University of Southern Alabama, Mobile, AL (online)
November 2021, *Slicing knots in definite manifolds*
- AMS Fall Central Sectional Meeting, Creighton University, Omaha, NE (online)
October 2021, *Slicing knots in definite manifolds*
- *Georgia Topology Conference*, University of Georgia, GA (online)
June 2021, *Knot groups and groups of surfaces in B^4*
- AMS Fall Western Sectional Meeting, University of Utah, UT (online)
October 2020, *Extending knot group quotients over surfaces in B^4*
- Unifying 4-Dimensional Knot Theory, Banff International Research Station, Canada
November 2019, *Knotted singular surfaces in S^4*
- Knot concordance and low-dimensional manifolds, Le Croisic, France
June 2019, *Knot invariants from dihedral branched covers*
- Symplectic four-manifolds through branched coverings, AIM, San Jose, CA
May 2018, *Topological branched covers*
- AMS Spring Eastern Sectional Meeting, Northeastern University, Boston, MA
April 2018, *Trisections of singular branched covers between four-manifolds*
- AMS Spring Western Sectional Meeting, Portland State University, Portland, OR
April 2018, *Symmetric quotients of knot groups and the Gordian graph*
- Singularities in the Mid-West V, UW–Madison, Madison, WI
March 2018, *Singular branched covers in dimension 4*
- Singularities in the Mid-West IV, UW–Madison, Madison, WI
March 2017, *Wirtinger systems of meridional generators and the Meridional Rank Conjecture*

- Mini Swiss Knots, University of Bern, Switzerland
June 2016, *Dihedral branched covers in dimension four*.
- Workshop on Stratified Spaces, Fields Institute, Toronto, Canada
August 2016, *Branched covers with singular branching sets*.
- Topological methods in singularity theory, ICMS, Edinburgh, Scotland
July 2015, *Dihedral branched covers between 4-manifolds*.
- Stratified spaces in geometric topology and physics, UW–Madison, Madison, WI
April 2015, *On the classification of branched covers of four-manifolds*

Seminars

- Geometry Seminar, ETH, Zurich, Switzerland
May 2024, *TBD*
- Three-Manifolds Seminar, University of California, Berkeley
April 2024, *Coxeter groups and the Meridional Rank Conjecture*
- Joint Geometric Topology and Geometric Analysis Seminar, University of Maryland
March 2024, *Slice knots, ribbon knots and quotients of knot groups*
- Topology Seminar, University of Illinois Urbana-Champaign
March 2024, *Ribbon knots and Fox colored surfaces in B^4*
- Topology Seminar, Michigan State University
March 2024, *Ribbon knots and Fox colored surfaces in B^4*
- Topology Seminar, Brigham Young University
October 2022, *Coxeter groups and invariants of knots and links*
- Geometry and Topology Seminar, Binghamton University (online)
September 2022, *Coxeter groups and bridge numbers of links*
- 2022 Geometry-Topology Seminar, University of Maryland
May 2022, *Slice knots and exotic structures in dimension 4*
- Topology, Algebra, Combinatorics, Operators Seminar, Loyola University Chicago
May 2022, *Coxeter groups and invariants of knots and links*
- Topology Seminar, Princeton University
March 2022, $\mathbb{C}\mathbb{P}^2$ - *Slicing numbers of knots*
- Topology Seminar, Brandeis University
April 2022, *H-slice knots in $\#^m\mathbb{C}\mathbb{P}^2$*
- *Virtual Trisectors Seminar*, University of Nebraska Lincoln (online)
April 2022, *H-sliceness in definite 4-manifolds*
- Fico González Acuña Online Seminar, Universidad Nacional Autónoma de México
November 2021, *4-manifolds as 3-fold covers of S^4*
- Low-Dimensional Geometry and Topology Seminar, University of Regensburg
June 2021, *Covers of S^3 bounding covers of B^4*
- Topology Seminar, UC-Davis (online due to Covid)
November 2020, *The Meridional Rank Conjecture for a class of links*
- [K-OS] Knots Online Seminar, University of Geneva
April 2020, *The Meridional Rank Conjecture: an attack with crayons*
- Topology Seminar, MPIM-Bonn
September 2019, *Trisections of Four-Manifolds and Branched Covers*

- Topology Seminar, University of Grenoble
May 2019, *Non-cyclic branched covers of spheres*
- Geometry, Dynamics, Topology Seminar, Mathematics Institute–Marseille
2019, *A knot invariant arising from branched covers of S^4*
- Topology Seminar, University of Regensburg
2019, *Branched covers with singularities*
- Combinatorics Seminar, University of Wisconsin – Madison
April 2017, *Combinatorial methods in knot theory*
- Singularities Seminar, University of Wisconsin – Madison
February 2017, *Linking numbers in branched covers*
- Topology Seminar Indiana University – Bloomington
May 2017, *Wirtinger systems of meridional generators of knot groups*
- CIRGET Seminar UQAM, Montreal, Canada
May 2017, *The Wirtinger number of a link equals the bridge number*
- Topology Seminar University of Georgia
April 2017, *The Wirtinger number of a knot equals the bridge number*
- Topology Seminar Indiana University – Bloomington
March 2016, *Branched covers of 4-manifolds and applications to knot theory*
- Geometry and Topology Seminar, UW–Madison
April 2015, *On the classification of branched covers in dimension 4*
- Gauge Theory Seminar, Harvard University
February 2015, *On the classification of branched covers in dimension 4*

Contributed Conference Talks

- Winter Braids X, Centro de Giorgi, Pisa, Italy
February 2020, *Simply-connected manifolds as 3-fold covers of S^4*
- Workshop on 4-manifolds, Max Planck Institute for Mathematics - Bonn, Germany
September 2019, *A ribbon obstruction for Fox-colorable knots*
- Topological workshop in Matemale, France
June 2019, *Fox colorings of singular surfaces in S^4*
- Winter Braids VIII Centre International pour Rencontres Mathématiques, Luminy, France
February 2018, *Trisections of singular branched covers*
- 4-manifolds and knot concordance, Max Planck Institute for Mathematics - Bonn, Germany
October 2016, *Linking numbers of pseudo-branch curves.*
- Advances in Quantum and Low-Dimensional Topology, University of Iowa, Iowa City, IA
March 2016, *Signatures of singular branched covers of 4-manifolds.*