




Christin Bibby

❖ Curriculum Vitae ❖

✉ Department of Mathematics <http://www.math.uwo.ca/~cbibby2> 
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❖ Academic Employment:

University of Western Ontario, London, Ontario, Canada.

Assistant Professor and Postdoctoral Fellow, July 2015 – June 2017.

University of Oregon, Eugene, Oregon.

Graduate Teaching Fellow, Sept. 2009 – June 2015.

❖ Education:

University of Oregon, Eugene, Oregon.

Ph.D. in Mathematics, Advisor Nick Proudfoot, June 2015.

M.S. in Mathematics, June 2011.

Northern Arizona University, Flagstaff, Arizona.

B.S. in Mathematics, minor in Chemistry, May 2009.

❖ Publications:

- [1] *Cohomology of abelian arrangements*, Proc. Amer. Math. Soc. **144** (2016), pp. 3093–3104. MR 3487239. <http://dx.doi.org/10.1090/proc/12937>
- [2] *Quadratic-linear duality and rational homotopy theory of chordal arrangements*, with J. Hilburn. Algebraic & Geometric Topology **16** (2016), pp. 2637–2661. MR 3572342. <https://doi.org/10.2140/agt.2016.16.2637>

❖ Preprints:

- [3] *Representation stability for the cohomology of arrangements associated to root systems*. <http://arXiv.org/abs/1603.08131>, submitted.
- [4] *A Leray model for the Orlik-Solomon algebra*, with G. Denham and E.M. Feichtner, in preparation.

❖ Awards and Grants:

- 2017 AMS–NSF Travel Grant for the Mathematical Congress of the Americas
- 2014 Johnson Fellowship, travel grant in mathematics at Univ. of Oregon
- 2009 Outstanding Senior for the Department of Mathematics and Statistics, and for the College of Engineering, Forestry, and Natural Sciences, at NAU
- 2008 NAU–NASA Space Grant for undergraduate research
- 2008 Participant in REU at Trinity University in San Antonio, TX.
- 2007-08 NAU Math Department scholarships and travel award

❖ Teaching Experience, as instructor:

University of Western Ontario (2015-2017).

Calculus I (Calc 1000A): 1 section

Methods of Finite Math (Math 1228B): 1 section

Linear Algebra I (Math 1600A): 1 section (course coordinator)

Discrete Structures for Engineering (Math 2151A): 1 section (course coordinator)

University of Oregon (2009-2015).

College Algebra (Math 111): 7 sections.

Elementary Functions (Math 112): 1 section.

Calculus for Business and Social Science II (Math 242): 1 section.

Intro to Probability and Statistics (Math 243): 1 section.

Calculus I (Math 251): 4 sections.

Calculus II (Math 252): 2 sections.

Elementary Analysis (Math 315): 1 section.

❖ Other Teaching Experience and Preparation:

University of Western Ontario. Participant in Teaching Squares Program, Winter 2016. Online training in Accessibility in Teaching, Worker Health and Safety, and Safe Campus Community.

University of Oregon. Teaching assistant for *Calculus for Business and Social Science II* (Math 242) twice and *Intro to Probability and Statistics* (Math 243) once, leading four discussion sections each time. Participant in the math department observation club and regular attendee at the department undergraduate teaching seminar.

Northern Arizona University. Mathematics, chemistry, and statistics tutor at the Learning Assistance Center (2006-2008), and Supplemental Instructor for *Precalculus* (Math 125) in Spring 2008. Coursework in education: EDF 200 *Intro to Education*.

❖ Service, Outreach, Mentoring:

- 2017 Special Session co-organizer (contact organizer), "Advances in Arrangement Theory" at the Mathematical Congress of the Americas in Montreal, Canada.
- 2015 Mentored an undergraduate in a reading on algebraic geometry.
Grader for Oregon Invitational Mathematics Tournament at UO.
Co-lead activity on probability and Buffon's needle at a math program for girls, organized with the UO AWM Chapter's K-12 Outreach Committee and the Science Factory.
- 2014-15 Helped organize an undergraduate reading program and panels on summer programs and careers in mathematics, with the UO AWM Undergraduate Mentoring Committee.
- 2013-15 Secretary of UO Student Chapter of the Association for Women in Mathematics.
- 2012-15 Mentor for first-year graduate students at UO (two students per year).
- 2014 Co-lead activity on cryptography at a math program for girls, organized with the UO AWM Chapter's K-12 Outreach Committee and the Science Factory.
- 2012 Proctor for Oregon Invitational Mathematics Tournament at UO.
- 2011 Panelist at an undergraduate math research conference in Flagstaff, AZ
- 2006-09 Co-Vice President and then President of the NAU Math Club.

❖ Invited Conference Presentations:

- 2017 Arrangements and beyond: combinatorics, geometry, topology and applications in honor of Mario Salvetti at Centro di Giorgi in Pisa, Italy.
Encounter in Topology 'n Algebra at Scuola Superiore di Catania, Italy.
Special Session on representation stability and its applications at the AMS Central Section Meeting in Bloomington, IN.
- 2016 Session on equivariant geometry and topology at the CMS Winter Meeting in Niagara, Ontario, Canada.
Special session on topology and combinatorics of arrangements (in honor of Mike Falk) at the AMS Spring Eastern Section Meeting in Stony Brook, NY.
Special session on algebraic and topological methods in combinatorics, JMM, Seattle.
- 2015 Combinatorial Constructions in Topology in Regina, Saskatchewan, Canada.
Computational Geometric Topology in Arrangement Theory at ICERM, Providence, RI.
Workshop on Combinatorics and Algebraic Topology of Configurations in the INdAM Intensive Period "Perspectives in Lie Theory" at Centro di Ricerca Matematica Ennio De Giorgi in Pisa, Italy.

❖ Contributed Talks:

- 2017 Joint Mathematics Meetings in Atlanta, GA.
- 2015 Joint Mathematics Meetings in San Antonio, TX.
- 2009 NASA Space Grant Symposium in Tempe, AZ.
MAA Southwest Section Meeting in Silver City, NM.
- 2007-09 Southwest Undergraduate Math Research Conference.

❖ Poster Presentations:

- 2016 Introductory Workshop on Combinatorial Algebraic Geometry, Fields Institute, Canada.
- 2014 Configuration Spaces: Geometry, Topology, and Representation Theory, Cortona, Italy.
- 2013 Western Algebraic Geometry Symposium in San Diego, CA.
- 2009 Celebration for Undergraduate Research and Design in Flagstaff, AZ.
Joint Mathematics Meetings in Washington, DC.

❖ Other Conference and Workshop Participation:

- 2018 Oberwolfach Workshop on Topology of Arrangements and Representation Stability.
- 2017 Mathematical Congress of the Americas, Montreal, Canada.
- 2016 Graduate Summer School on Combinatorial Algebraic Geometry at the Fields Institute.
Algebraic Combinatorics and Group Actions at Herstmonceux Castle, England.
Combinatorial Algebra Meets Algebraic Combinatorics in London, Canada.
- 2015 Oberwolfach Seminar on Topological Combinatorics of Configuration Spaces, Germany.
- 2014 Western Algebraic Geometry Symposium in Moscow, ID.
Workshop on Kazhdan-Lusztig theory and Soergel bimodules in Eugene, OR.
- 2013 Workshop on Quantum/Affine Schubert Calculus in Eugene, OR.
- 2011 Southwest Undergraduate Math Research Conference in Flagstaff, AZ.
- 2007-08 Nebraska Conference for Undergraduate Women in Math in Lincoln, NE.

❖ Seminar Talks:

- 2017 Geometry and Topology seminar, University of Chicago, Chicago, IL.
Geometry and Topology seminar, University of Western Ontario, London, Canada.
- 2016 Algebraic Combinatorics seminar, University of Waterloo, Waterloo, Canada.
Geometry and Topology seminar, McMaster University, Hamilton, Canada.
Algebra seminar, University of Western Ontario, London, Canada.
- 2015 Geometry and Topology seminar, University of Western Ontario, London, Canada.
- 2014 Geometry and Topology seminar, University of Oregon, Eugene, OR.
- 2013 Geometry and Topology seminar, University of Oregon, Eugene, OR.