

CURRICULUM VITAE

AGNÈS BEAUDRY

1. CONTACT INFORMATION

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2. EDUCATIONAL BACKGROUND

June, 2013 Northwestern University, PhD in Mathematics, Advisor: Professor Paul Goerss
November, 2008 McGill University, BA, Honours in Mathematics, Minor in Philosophy

3. ACADEMIC EMPLOYMENT HISTORY

2016-present Assistant Professor, Department of Mathematics, University of Colorado at Boulder
2013-2016 L. E. Dickson Instructor, Department of Mathematics, University of Chicago

4. GRANTS, AWARDS AND HONORS

- (1) Sub-award with National Science Foundation. RTG 2135884: eCHT: electronic Computational Homotopy Theory Research Community. D. Isaksen (Pass-Through Entity PI) A. Beaudry (Sub-award PI). Total Sub-award: \$63,920. August 15, 2022 to July 31, 2025.
- (2) National Science Foundation. DMS 222074: Conference on Chromatic Homotopy Theory and Related Areas. Total Award \$ 18,700. I. Bobkova (PI). A. Beaudry (co-PI). V. Stojanoska (co-PI). June 23 2022, to June 30, 2023 (est.)
- (3) National Science Foundation. DMS 2153772: Homotopical Methods in Fixed Point Theory. Total Award \$29,976. A. Beaudry (PI). K. Ponto (co-PI). D. Wilson (co-PI). May 15, 2022 to April 30, 2023.
- (4) National Science Foundation. DMS 2143811: CAREER: From Equivariant Chromatic Homotopy Theory to Phases of Matter: Voyage to the Edge Total Award \$474,801. A. Beaudry (PI). August 1, 2022 to July 31, 2027 (est.)
- (5) National Science Foundation. DMS 2055501: Topological and C^* -Algebraic Quantum Matter Total Award \$385,878. M. Pflaum (PI), A. Beaudry (co-PI), M. Hermele (co-PI). July 1, 2021 to June 30, 2024 (est.)
- (6) National Science Foundation. DMS 1906227: Chromatic Phenomena with an Equivariant Perspective Total award: \$324,175. A. Beaudry (PI). August 15, 2019 to July 31, 2023
- (7) University of Colorado Boulder Research & Innovation Office Seed Grant. Mathematical Physics of Quantum Matter. Total award: \$ 45,000. M. Hermele (PI), A. Beaudry (co-PI), M. Pflaum (co-PI). 07/2020-12/2021.
- (8) Foundation Nagoya Mathematical Journal Award. (December 2019) \$3,500 for the summer school *Homotopical Methods in Fixed Point Theory* (University of Colorado Boulder, July 11-15, 2022). Awarded to the organizing committee (A. Beaudry, P. G. Goerss, K. Ponto, D. Wilson).

- (9) National Science Foundation. DMS 1758849: Chromatic Homotopy Theory: Journey to the Frontier. \$38,000 total award. A. Beaudry (PI), M. Hill (co-PI), M. Pflaum (co-PI), D. Wilson (co-PI). March 1, 2018 to May 31, 2020.
- (10) Faculty Conference Award. Research & Innovation Office. Chromatic Homotopy Theory: Journey to the Frontier. \$3,000 total award. January 11, 2018 to July 19, 2018.
- (11) National Science Foundation. DMS 1722545: Homotopy Theory in the Ecliptic: Chromatic, Equivariant, and Motivic Mathematics. \$30,000 total award. A. Osorno (PI), J. Lind (co-PI), A. Beaudry (co-PI), K. Ormsby (co-PI), M. Hill (co-PI). June 1, 2017 to May 31, 2018.
- (12) National Science Foundation. DMS 1612020/1725563: Computational Chromatic Homotopy Theory. \$163,796 total original award. \$144,208 award transferred to CU. A. Beaudry (PI). June 1, 2016 to January 31, 2020.
- (13) Simons Visiting Professor, Mathematisches Forschungsinstitut Oberwolfach and University of Strasbourg. June 18 to July 22, 2016.
- (14) Natural Sciences and Engineering Research Council of Canada, Postgraduate Scholarship. September, 2008 to June, 2010.
- (15) Institut des Sciences Mathématiques Summer Research Award. 2008.
- (16) NSERC Undergraduate Student Research Award. 2007.
- (17) NSERC Undergraduate Student Research Award to attend Math in Moscow. 2007.
- (18) Mary Coppin Scholarship for Academic Distinction, McGill University. 2007.
- (19) McGill Alumnae Georgina Hunter Scholarship for Academic Distinction, (declined). 2007.
- (20) Institut des Sciences Mathématiques Summer Research Award. 2006.
- (21) TD Canada Trust Community Leadership Scholarship. 2004-2008.

5. RESEARCH

5.1. Areas of research (keywords).

- Algebraic topology
- Stable, chromatic and equivariant homotopy theory
- Homotopy theory in relation to condensed matter physics

5.2. Publications and Preprints. Items are listed in reverse chronological order, using the date of appearance on arxiv.org for unpublished items.

5.2.1. *Peer reviewed articles published in journals.*

- (1) A. BEAUDRY, I. BOBKOVA, V.-C. PHAM, Z. XU. The topological modular forms of $\mathbb{R}P^2$ and $\mathbb{R}P^2 \wedge \mathbb{C}P^2$. *J. Topol.*, 15: 1864-1926. 19 September 2022. <https://doi.org/10.1112/topo.12263>
- (2) A. BEAUDRY, P. G. GOERSS, M. J. HOPKINS, V. STOJANOSKA. Dualizing spheres for compact p -adic analytic groups and duality in chromatic homotopy. *Invent. math.* 229, 1301-1434 (10 June 2022). <https://doi.org/10.1007/s00222-022-01120-1>
- (3) D. SPIEGEL, J. MORENO, M. QI, M. HERMELE, A. BEAUDRY, M. J. PFLAUM. Continuous Dependence on the Initial Data in the Kadison Transitivity Theorem and GNS Construction. *Rev. Math. Phys.* 34 (6 August 2022), no. 9, Paper No. 2250031, 84 pp. <https://doi.org/10.1142/S0129055X22500313>
- (4) A. BEAUDRY, P. G. GOERSS AND H.-W. HENN. Chromatic splitting for the $K(2)$ -local sphere at $p = 2$. *Geometry & Topology* 26-1 (5 April 2022), 377-476. <https://doi.org/10.2140/gt.2022.26.377>
- (5) A. BEAUDRY, M. HILL, X. SHI, M. ZENG. Quotients of $H\mathbb{F}_2 \wedge H\mathbb{F}_2$. *Trans. Amer. Math. Soc.* Vol 374. Num. 12. December 2021. Pages 8949-8988.
- (6) T. BARTHEL, A. BEAUDRY, P. G. GOERSS AND V. STOJANOSKA. *Math. Z.* 301, 255-274 (November 24, 2021). <https://doi.org/10.1007/s00209-021-02864-x>
- (7) A. BEAUDRY, M. BEHRENS, P. BHATTACHARYA, D. CULVER AND Z. XU. The telescope conjecture at height 2 and the tmf resolution. *Journal of Topology*, 14: 1243-1320. 27 October 2021. <https://doi.org/10.1112/topo.12208>

- (8) A. BEAUDRY, M. HILL, X. SHI, M. ZENG. Models of Lubin-Tate spectra via Real bordism theory. *Adv. Math.*. Vol 392, September 2021. <https://doi.org/10.1016/j.aim.2021.108020>
- (9) A. BEAUDRY, I. BOBKOVA, M. HILL AND V. STOJANOSKA. Invertible $K(2)$ -Local E -Modules in C_4 -Spectra. *Algebr. & Geom. Topol.* 20 (2020) 3423–3503. <https://doi.org/10.2140/agt.2020.20.3423>
- (10) A. BEAUDRY, M. BEHRENS, P. BHATTACHARYA, D. CULVER AND Z. XU. On the E_2 -term of the bo -Adams spectral sequence. *Journal of Topology*, 13: 356-415. 11 January 2020. <https://doi.org/10.1112/topo.12136>
- (11) T. BARTHEL, A. BEAUDRY AND V. STOJANOSKA. Gross-Hopkins Duals of Higher Real K -theory Spectra. *Trans. Amer. Math. Soc.*. Vol. 372, Num. 5. 1 September 2019. pp. 3347-3368. <https://doi.org/10.1090/tran/7730>.
- (12) A. BEAUDRY, N. DOWNEY, C. MCCRANIE, L. MESZAR, A. RIDDLE AND P. ROCK. Computations of orbits for the Lubin-Tate ring. *Homotopy Relat. Struct.* 14(3):691–718. September 2019. <https://doi.org/10.1007/s40062-018-00228-7>.
- (13) A. BEAUDRY. The chromatic splitting conjecture at $n = p = 2$. *Geo. & Top.* Vol 21. August 2017. pp. 3213–3230. <https://doi.org/10.2140/gt.2017.21.3213>
- (14) A. BEAUDRY. Towards the homotopy of the $K(2)$ -local Moore spectrum at $p = 2$. *Adv. Math.* Vol 306, January 14 2017. pp. 722-788. <http://dx.doi.org/10.1016/j.aim.2016.10.020>
- (15) A. BEAUDRY. The algebraic duality resolution at $p = 2$. *Algebr. Geom. Topol.* 5 (6) (2015). pp. 3653–3705. <http://dx.doi.org/10.2140/agt.2015.15.3653>

5.2.2. *Peered reviewed articles published in conference proceedings.*

- (1) A. BEAUDRY. The α -family in the $K(2)$ -local sphere at the prime 2. *Contemp. Math.*. Vol. 729. Amer. Math. Soc.. Providence, RI. 2019. pp. 1-20. <https://doi.org/10.1090/conm/729/14689>
- (2) A. BEAUDRY, K. HESS, M. KEDZIOREK, M. MERLING AND V. STOJANOSKA. Motivic homotopical Galois extensions. *Topol. Appl.* Vol 235. 15 February 2018. pp. 290–338. <https://doi.org/10.1016/j.topol.2017.12.006>.
- (3) M. BASTERRA, K. BAUER, A. BEAUDRY, R. ELDRED, B. JOHNSON, M. MERLING AND S. YEAKEL. Unbased calculus for functors to chain complexes. In *Women in Topology: Collaborations in Homotopy Theory*, volume 641 of *Contemp. Math.*, pages 29–48, Amer. Math. Soc., 2015. <http://dx.doi.org/10.1090/conm/641/12858>

5.2.3. *Preprints accepted for publication.*

- (1) A. BEAUDRY, M. HILL, X. SHI, M. ZENG. Transchromatic extensions in motivic and Real bordism. ArXiv e-prints. arXiv:2005.10888. May 2020. Accepted in *Proc. Am. Math. Soc.*

5.2.4. *Preprints submitted for publication.*

- (1) A. BEAUDRY, M. A. HILL, T. LAWSON, X. D. SHI, M. ZENG. On the slice spectral sequence for quotients of norms of Real bordism. ArXiv e-prints. arXiv:2204.04366. April 2022.
- (2) X. WEN, M. QI, A. BEAUDRY, J. MORENO, M. J. PFLAUM, D. SPIEGEL, A. VISHWANATH, M. HERMELE. Flow of (higher) Berry curvature and bulk-boundary correspondence in parametrized quantum systems. ArXiv e-prints. arXiv:2112.07748. December 2021.

5.2.5. *Preprints not yet submitted for publication.*

- (1) A. BEAUDRY, I. BOBKOVA, P. G. GOERSS, H.-W. HENN, V.-C. PHAM, V. STOJANOSKA. The Exotic $K(2)$ -local Picard group at the prime 2. ArXiv e-prints. arXiv:2212.07858. December 2022.
- (2) A. BEAUDRY, I. BOBKOVA, P. G. GOERSS, H.-W. HENN, V.-C. PHAM, V. STOJANOSKA. Cohomology of the Morava stabilizer group through the duality resolution at $n = p = 2$. ArXiv e-prints. arXiv:2210.15994. October 2022.

5.2.6. *Expository chapter accepted for publication in a book.*

- (1) T. BARTHEL AND A. BEAUDRY. Chromatic structures in stable homotopy theory. Chapter in the *Handbook of Homotopy Theory* edited by H. Miller. Chapman and Hall/CRC. December 23, 2019. ISBN 9780815369707.

5.2.7. *Peer reviewed expository writing published in conference proceedings.*

- (1) A. BEAUDRY AND J. A. CAMPBELL. A guide for computing stable homotopy groups. *Topology and Quantum Theory in Interaction*. Contemp. Math.. Vol. 718. Amer. Math. Soc.. Providence, RI. 2018. pp. 89-136. <https://doi.org/10.1090/conm/718/14476>

5.3. **Talks.**

5.3.1. *International conferences and events (invited speaker).*

- (1) “Quotients of Real bordism and $H\mathbb{F}_2 \wedge H\mathbb{F}_2$ ”. Conference Chromatic Homotopy, K-Theory and Functors, Centre International de Rencontres Mathématiques (CIRM), Marseille, France. January 27, 2023.
- (2) “Duality and invertibility in chromatic homotopy theory 1& 2”. Summer School: Spectral methods in algebra, geometry, and topology, Hausdorff Research Institute for Mathematics, Bonn, Germany. September 20 & 22, 2022.
- (3) “Equivariant Morava K-Theories?”, Workshop on Equivariant Stable Homotopy Theory and p -adic Hodge Theory, Banff International Research Station, Banff, Alberta. March 5, 2020.
- (4) “The Equivariant Dual of Morava E -Theory”, Descent and Chromatic Homotopy Theory, University of Strasbourg, Strasbourg, France. September 3, 2019.
- (5) “Duality and invertibility using finite resolutions”, Derived algebraic geometry and chromatic homotopy theory, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. September 25, 2018
- (6) “ $K(n)$ -local homotopy from a Galois theory perspective”, Derived algebraic geometry and chromatic homotopy theory, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. September 24, 2018
- (7) “Pic($E-\mathbb{Z}/4$) and Tools to Compute It” Equivariant and Motivic Homotopy, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. August 13, 2018.
- (8) “Dispersion and Reassembly in the Homotopy Groups of Spheres”, AMS-CMS Special Session on Algebraic and Geometric Topology, Fudan University, Shanghai, China. June 12, 2018.
- (9) “The Linearization Conjecture”, 1st Canadian Geometry and Topology Seminar, Toronto, Canada. March 16, 2018
- (10) “Perspectives on the chromatic splitting conjecture”, The Transatlantic Transchromatic Homotopy Theory Conference, University of Regensburg, Regensburg, Germany. June 6, 2017.
- (11) “Gross-Hopkins duals of higher real K -theory spectra”, Invertibility and Duality in Derived Algebraic Geometry and Homotopy Theory, University of Regensburg, Regensburg, Germany. April 6, 2017.
- (12) “The $K(2)$ -local Picard group at $p = 2$ ”, Alpine conference on algebraic and applied topology, Saas-Almagell, Switzerland. August 18, 2016.
- (13) “A preliminary report on the $K(2)$ -local Picard group at $p = 2$ ”, Group Actions - Classical and Derived, Fields Institute, Toronto, Canada. June 14, 2016.
- (14) “A preliminary report on the $K(2)$ -local Picard group at $p = 2$ ”, 56th Cascade Topology Seminar, Banff International Research Station, Banff, Canada. May 1, 2016.
- (15) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, Workshop on homotopy theory, Mathematisches Forschungsinstitut Oberwolfach, Germany. March 10, 2015.

5.3.2. *Conferences and events within the US (invited speaker).*

- (1) “Equivariant Tools in Chromatic Homotopy Theory”. Equivariant techniques in stable homotopy theory. American Institute for Mathematics Workshop. San Jose, CA. May, 2021.
- (2) “Homotopy Theory and Phases of Matter”, Cornell Topology Festival, Cornell University, Ithaca, NY. May 2021.
- (3) “Homotopical Methods in Phases of Matter”, AMS Joint Mathematics Meetings, Denver, CO. January 18, 2020.
- (4) “Invertibility, $K(n)$ -Locally”, MayDay Conference (Fall 2019 Midwest Topology Seminar), University of Chicago, Chicago, IL. October 5, 2019.
- (5) “Picard Groups and Orientability”, AWM Research Symposium, Rice University, Houston, Texas. April 6, 2019.

- (6) “Invertible $K(2)$ -Local E -Modules in C_4 -Spectra”, AMS Special Session on Homotopy Theory, University of Hawaii at Manoa, Honolulu, Hawaii. March 24, 2019.
- (7) “The Linearization Conjecture”, AMS Special Session on Algebraic Topology, Portland, Oregon. April 14, 2018.
- (8) “ $K(n)$ -local Picard Groups and Gross-Hopkins Duality”, Homotopy Theory: Tools and Applications, University of Illinois at Urbana-Champaign, Urbana, Illinois. July 17, 2017.
- (9) “Gross-Hopkins duals of higher real K -theory spectra”, Spring 2017 Midwest Topology Seminar, University of Chicago, Chicago, Illinois. May 14, 2017.
- (10) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, Conference in Geometry and Topology, Princeton University, Princeton, New Jersey. March 19, 2015.
- (11) “The Chromatic Splitting Conjecture at $n = p = 2$ ”, Third Midwest Women in Mathematics Symposium, Dominican University, Chicago, Illinois. March 7, 2015.
- (12) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, AMS Joint Mathematics Meetings, San Antonio, Texas. January 13, 2015.
- (13) “An Algebraic Finite Resolution for $K(2)$ -Local Computations at the Prime 2”, Midwest Topology Seminar, Wayne State University, East Lansing, Michigan. October 5, 2013.

5.3.3. *International seminar and colloquia (invited speaker).*

- (1) “Dualizing spheres for compact p -adic analytic groups and duality in chromatic homotopy”. Max Planck Topology Seminar. June 14, 2021.
- (2) “Homotopy Theory and Phases of Matter”. University of Jerusalem Topology Seminar. June 7, 2021.
- (3) “The Picard group of higher real K -theories from an equivariant perspective”. University of Haifa Topology and Geometry Seminar. March 21, 2021.
- (4) “The Chromatic Splitting Conjecture”, Ruhr-Universität Bochum Topology Seminar, December 10, 2020.
- (5) “Determining the Determinant Sphere”, Gong Show, Harnessing Higher Structures, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. October 11, 2018.
- (6) “Linearize this!”, Gong Show, Harnessing Higher Structures, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. August 9, 2018.
- (7) “bo and tmf -resolutions”, University of Copenhagen Algebra/Topology Seminar, Copenhagen, Denmark. May 29, 2017.
- (8) “The Chromatic Splitting Conjecture”, Séminaire de Topologie, Université Paris 13, Paris, France. July 4, 2016.
- (9) “The tmf -resolution and its relationship to the Telescope Conjecture”, Séminaire Algèbre et Topologie, Université de Strasbourg, Strasbourg, France. June 28, 2016.
- (10) “Chromatic splitting: the way things work at $p = 2$ ”, Chromatic homotopy theory seminar, Max Planck Institute, Bonn, Germany. August 12, 2015.
- (11) “Finite Resolutions and $K(2)$ -Local Computations”, Seminaire Algèbre et Topologie, Université de Strasbourg, Strasbourg, France. June 24, 2014.

5.3.4. *Seminar and colloquia within the US (invited speaker).*

- (1) “Quotients rings $HF_2 \wedge HF_2$ ”. Princeton Topology Seminar. October 28, 2021.
- (2) “Homotopy Theory and Phases of Matter”. Rocky Mountain Mathematical Physics and Topology Seminar. CU Boulder, May 28, 2021.
- (3) “Equivariant quotients and localizations of norms of $BP_{\mathbb{R}}$ ”. UIUC Topology Seminar, April 17, 2021.
- (4) “Equivariant Morava K -Theories?”. University of Michigan Algebraic Topology Seminar. March 29, 2021.
- (5) “Equivariant Morava K -Theories?”. UChicago/Northwestern Topology seminar. February 2021.
- (6) “Equivariant Morava K -Theories?”, Massachusetts Institute of Technology, Cambridge, MA. November 16, 2020.
- (7) “Equivariant Morava E and K -Theories”, UCLA Topology Seminar, University of California Los Angeles, Los Angeles. April 24, 2020.

- (8) “Models of Lubin-Tate spectra via Real bordism theory”, Topology Seminar, Massachusetts Institute of Technology, Cambridge, MA. February 10, 2020.
- (9) “Models of Lubin-Tate spectra via Real bordism theory”, Topology Seminar, University of Rochester, Rochester, NY. February 4, 2020.
- (10) “Invertibility in Chromatic Homotopy Theory”, Topology seminar, University of Utah, Salt Lake City, UT. November 1, 2019.
- (11) “Higher K -Theory and their Adams Operations”, Mathematics colloquium, University of Utah, Salt Lake City, UT. October 31, 2019.
- (12) “The Linearization Conjecture”, Hopkins Topology Seminar, Johns Hopkins University, Baltimore, MD. December 3, 2018.
- (13) “The Linearization Conjecture”, Colorado State University Topology Seminar, Fort Collins, CO. October 23, 2018.
- (14) “The Equivariant Dual of Morava E -Theory”, University of Chicago Topology Seminar, University of Chicago, Chicago, Illinois. January 9, 2018.
- (15) “The Equivariant Dual of Morava E -Theory”, Northwestern University Topology Seminar, Northwestern University, Evanston, Illinois. January 8, 2018.
- (16) “Duality and $K(n)$ -local Picard groups”, Electronic Computational Homotopy Theory Seminar, hosted by Wayne State University. December 8, 2016.
- (17) “The $K(2)$ -local Picard group at $p = 2$ ”, University of Minnesota Topology Seminar, Minneapolis, Minnesota. November 14, 2016.
- (18) “Dispersion and reassembly in the homotopy groups of spheres”, colloquium, University of Notre Dame, Notre Dame, Indiana. February 1, 2016.
- (19) “Dispersion and reassembly in the homotopy groups of spheres”, colloquium, University of Minnesota, Minneapolis, Minnesota. January 19, 2016.
- (20) “Dispersion and reassembly in the homotopy groups of spheres”, colloquium, University of Oregon, Eugene, Oregon. January 15, 2016.
- (21) “Dispersion and reassembly in the homotopy groups of spheres”, colloquium, University of Colorado Boulder, Boulder, Colorado. January 13, 2016.
- (22) “Assembling the chromatic homotopy theory”, colloquium, Cornell University, Ithaca, New York. November 23, 2015.
- (23) “Gluing data in chromatic homotopy theory”, Topology seminar, University of Oregon, Eugene, Oregon. November 6, 2015.
- (24) “Gluing data in chromatic homotopy theory”, Geometry and topology seminar, Georgia Tech, Atlanta, Georgia. September 14, 2015.
- (25) “Gluing data in chromatic homotopy theory”, Topology seminar, Indiana University Bloomington, Bloomington, Indiana. September 2, 2015.
- (26) “Chromatic splitting: the way things work at $p=2$ ”, UIUC Topology Seminar, University of Illinois at Urbana-Champaign, Urbana, Illinois. September 1, 2015.
- (27) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, Topology seminar, Massachusetts Institute of Technology, Cambridge, Massachusetts. May 4, 2015.
- (28) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, Topology seminar, Northwestern University, Evanston, Illinois. April 30, 2015.
- (29) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, Topology seminar, The University of Notre Dame, Notre Dame, Indiana. April 20, 2015.
- (30) “The Chromatic Splitting Conjecture at $p = n = 2$ ”, Topology seminar, The University of Rochester, Rochester, New York. January 30, 2015.
- (31) “A Preliminary Report on the Chromatic Splitting Conjecture at $p = n = 2$ ”, Purdue University, West Lafayette, Indiana. November 19, 2014.
- (32) “Cohomology : A Mirror of Homotopy”, Topology Seminar, University of Louisiana at Lafayette, Lafayette, Louisiana. September 19, 2014.
- (33) “Chromatic Levels in the Homotopy Groups of Spheres”, Colloquium, University of Louisiana at Lafayette, Lafayette, Louisiana. September 18, 2014.

- (34) “Chromatic Levels in the Homotopy Groups of Spheres”, Topology Seminar, University of Kentucky, Lexington, Kentucky. September 11, 2014.
- (35) “Chromatic homotopy theory”, FRAGMENT Seminar, University of Colorado at Boulder, Boulder, Colorado. August 16, 2014.
- (36) “Finite Resolutions and $K(2)$ -Local Computations”, Geometry & Topology Seminar, University of Western Ontario, London, Ontario. March 17, 2014.
- (37) “Formal Group Laws, Elliptic Curves and Modular Forms in Stable Homotopy Theory”, FRAGMENT Seminar, Colorado State University, Fort Collins, Colorado. September 19, 2013.
- (38) “The $K(2)$ -Local Moore Spectrum at $p = 2$ ”, University of Chicago Topology Seminar, University of Chicago, Chicago, Illinois. January 29, 2013.
- (39) “The $K(2)$ -Local Moore Spectrum at $p = 2$ ”, UIUC Topology Seminar, University of Illinois at Urbana-Champaign, Urbana, Illinois. October 23, 2012.

5.3.5. *Other research talks.*

- (1) “Cohomology: A Mirror of Homotopy”, Young Topologists Meeting, Copenhagen, Denmark. July 1, 2014.

5.4. **Other conferences, workshops and events (participant).**

- (1) Invited Scholar. Spectral Methods in Algebra, Geometry, and Topology, Hausdorff Institute Trimester Program, Bonn, Germany. Invited scholar. September 12 - November 4, 2022
- (2) Graduate Summer School: Mathematics of Topological Phases of Matter, August 29-September 3, 2021.
- (3) Invited Scholar. Max Planck Institute for Mathematics. Bonn, Germany. June 1-30, 2021.
- (4) Fall 2020 Midwest Topology Seminar. October 8, 2020.
- (5) Cohomology of Finite Groups: Interactions and Applications. Oberwolfach, Germany. August 9–15, 2020.
- (6) Equivariant Stable Homotopy Theory and p -adic Hodge Theory, Banff International Research Station, Banff, Alberta. March 1–6, 2020.
- (7) Homotopy Theory, Oberwolfach, Germany. August 4-10, 2019.
- (8) Invited scholar. Homotopy Harnessing Higher Structures, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. July 10 - August 17, 2018 and Sept 18 - October 19, 2018.
- (9) Chromatic Phenomena and Duality in Homotopy Theory and Representation Theory. Oberwolfach, Germany. March 4–10, 2018.
- (10) Women in Topology, Mathematical Sciences Research Institute, Berkeley, California. November 29-December 1, 2017.
- (11) Algebro-Geometric and Homotopical Methods at Institut Mittag-Leffler, Institut Mittag-Leffler. Invited scholar. January 21-28, 2017.
- (12) Fall 2016 Midwest Topology Seminar, Purdue University, Lafayette, Indiana. September 17-18, 2016.
- (13) Workshop in Topologie, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach, Germany. July 17-July 23, 2016.
- (14) Women in Topology II, Banff International Research Station, Banff, Canada. April 24-29, 2016.
- (15) M.I.T. Talbot Workshop: Equivariant stable homotopy theory and the Kervaire invariant, Herriman, Utah. April 3-9, 2016.
- (16) AMS Joint Mathematics Meetings, Seattle, Washington. January 6-9, 2016.
- (17) 55th Cascade Topology Seminar, Portland State University, Portland, Oregon. November 7-8, 2015.
- (18) Fall Midwest Topology Seminar, Wayne State University, Detroit, Michigan. October 10-11, 2015.
- (19) Homotopy theory, manifolds, and field theories, Hausdorff Institute Trimester Program, Bonn, Germany. Invited scholar. July 23-August 18, 2015.
- (20) Winter Midwest Topology Seminar, University of Illinois at Chicago, Chicago, Illinois. February 28, 2015.
- (21) Fall Midwest Topology Seminar, Northwestern University, Chicago, Illinois. October 25, 2014.
- (22) Midwest Topology Seminar, IUPUI, Indianapolis, Indiana. April 19, 2014.
- (23) MSRI Introductory Workshop : Algebraic Topology, MSRI, Berkeley, California. January 27-31, 2014.

- (24) M.I.T. Talbot Workshop on Chromatic Homotopy Theory, South Lake Tahoe, California. April 21-27, 2013.
- (25) Workshop on Equivariant, Chromatic and Motivic Homotopy Theory, Northwestern University, Evanston, Illinois. March 25-29, 2013.
- (26) AMS Joint Mathematics Meetings, San Diego, California. January 9-12, 2013.
- (27) Midwest Topology Seminar, Michigan State University, East Lansing, Michigan. 2012.
- (28) AMS Joint Mathematics Meetings, Boston, Massachusetts. 2012.
- (29) Mathematics Research Communities Program on Computational and Applied Topology, Snowbird Resort, Utah. 2011.
- (30) Mathematics and Climate Research Network Paleoclimate Workshop, University of Chicago, Chicago, Illinois. 2011.
- (31) Conference on Homotopy Theory and Derived Algebraic Geometry, Fields Institute, Toronto, Ontario, Canada. 2010.
- (32) IMAGE Theme of the Year Summer Graduate School on Mathematics of Climate Change, National Center for Atmospheric Research (NCAR), Boulder, Colorado. 2010.
- (33) M.I.T. Talbot Workshop on Twisted K-Theory and Loop Groups, Breckenridge, Colorado. 2010.
- (34) Midwest Topology Seminar, Northwestern University, Evanston, Illinois. 2010.
- (35) Homotopy Theory and Applications, University of Nebraska, Lincoln, Nebraska. 2009.
- (36) MSRI Graduate Summer Workshop on Toric Varieties, MSRI, Berkeley, California. 2009.
- (37) Waterloo Symposium in Undergraduate Mathematics, Waterloo, Ontario, Canada. 2007.

6. TEACHING ACCOMPLISHMENTS

6.1. Courses Taught at CU Boulder.

- (1) MATH 3001(002) Analysis 1, Spring 2023.
- (2) MATH 6220 Topology 2, Spring 2023.
- (3) MATH 6220 Topology 2, Spring 2022.
- (4) MATH 4200/5200 Topology, Fall 2021.
- (5) MATH 2135 (001) Linear Algebra for Math Mjrs, Fall 2021.
- (6) MATH 2135 (001) Linear Algebra for Math Mjrs, Spring 2021.
- (7) MATH 3001(001) Analysis 1, Fall 2020.
- (8) MATH 6280 Advanced Algebraic Topology, Fall 2020.
- (9) MATH 4200/5200 Topology, Fall 2019.
- (10) MATH 2002 Number Systems, Fall 2019.
- (11) MATH 3001(003) Analysis 1, Spring 2019.
- (12) MATH 6220 Topology 2, Spring 2019.
- (13) MATH 2001(003) Discrete Mathematics, Spring 2018.
- (14) MATH 6220 Topology 2, Spring 2018
- (15) MATH 4200/5200 Topology, Fall 2017.
- (16) MATH 3001(003) Analysis 1, Spring 2018
- (17) MATH 3001(002) Analysis 1, Spring 2018
- (18) MATH 6280 Advanced Algebraic Topology, Fall 2016.

6.2. Courses Created at CU Boulder.

- (1) MATH 2002 - Number Systems, created with Professors Czubak, Pflaum and Walter.

6.3. Students.

6.3.1. *PhD Students - Research Advisor.*

- (1) Dr. Katharine Adamyk. PhD Spring 2020.
- (2) Dr. Cherry Ng. PhD Spring 2022.
- (3) Dr. André Davis. PhD Spring 2022.
- (4) Erik Knutsen
- (5) Juan Moreno

6.3.2. *First year PhD Students - Faculty Mentor.*

- (1) Elena Chavez (2021-2022)
- (2) Rebecah Storms (2020-2021)
- (3) Breeann Wilson (2019-2021)
- (4) Hunter Davenport (2018-2019)

6.3.3. *Concurrent Master Students.*

- (1) (Mathematics co-advisor) Brandon Breedon. MA Spring 2020.

6.3.4. *Exchange Students.*

- (1) Akria Tominaga (University of Tokyo). September 7 to November 5, 2019

6.4. **Mentor for the department's Research For Undergraduates/Graduates (REU/G) program and Summer Multicultural Access to Research Training Program (SMART).**

- (1) *Computations of Orbits for the Lubin-Tate Ring.* Participants: Naiche Downey, Conner McCranie, Luke Meszar, Robert Riddle (graduate student), and Peter Rock. Summer 2017.
- (2) *Simplicial Complexes and Connectivity.* Participants: André Davis (graduate student), Conner McCranie, Luke Meszar, Justin Willson. Summer 2018.
- (3) *Extensions of Modules for the Steenrod Algebra.* Participants: Naiche Downey, Erik Knutsen (graduate student), Henry Lembeck, Quentin Sabathier. Summer 2019.
- (4) *Equivariant Cohomology of Topological Spaces.* REG co-mentored with Cherry Ng and SMART co-mentored with Jonathan Quarting. Participants: Juan Moreno, Rachel Chaiser and Enrique León.
- (5) *Topology and lattice models.* Summer 2022. REU/G co-mentored with Juan Moreno. Participants: Athbi Aljadi, Daniel Lyness, Lucy Pipkorn, Evan Young, Julia Worthington.

6.5. **Workshop Organization.**

- (1) Co-Organizer for a Summer School on Homotopical Methods in Fixed Point Theory, University of Colorado Boulder, Boulder, Colorado. (July 11-15, 2022)
- (2) Co-Organizer for a Chromatic Homotopy Theory and Friends, Institut Mittag-Leffler, Djursholm, Sweden. (June 7-10, 2022)
- (3) Co-Organizer for the 2019 Summer School in Equivariant Homotopy Theory, Fudan University, Shanghai, China. August 13-17, 2019
- (4) Co-Organizer for Chromatic Homotopy Theory: Journey to the Frontier – Graduate Workshop, University of Colorado at Boulder, Boulder, Colorado. This event was filmed. Notes, exercises and videos are available on the conference website. May 16-17, 2018.
- (5) Supplementary expert for NSF-CBMS conference Topological and Geometric Methods in Quantum Field Theory, Montana State University, Bozeman, Montana. July 31-August 4, 2017.
- (6) Scientific Co-Organizer for the West Coast Algebraic Topology Summer School, University of Oregon, Eugene, Oregon. August 8-13, 2016.
- (7) Co-Organizer for the Second Chicago Summer School in Geometry and Topology, University of Chicago, Chicago, Illinois. This event was filmed to create an online minicourse. July 25-29, 2016.

6.6. **Educational talks, mini-courses and colloquia.**

- (1) CU Topology Seminar learning seminars: Derived Algebraic Geometry and Perverse Sheaves (Fall 2016, (co-organized with Dr. Pflaum), Spectra (Spring 2017, co-organized with Dr. Pflaum), Topological Quantum Field Theories (co-organized with Dr. Deeley, Dr. Pflaum and Dr. Hermele Spring 2019). Chromatic Homotopy Theory (Fall 2019).
- (2) “Ants on Pants, or an Introduction to Manifolds and Cobordism”, Program for in Mathematics for Young Scientists, Boston University, July 16, 2020. (Online)
- (3) “Ants on Pants, or an Introduction to Manifolds and Cobordism”, UChigao REU, June 23, 2020 and July 23, 2020. (Online)
- (4) “An Introduction to Chromatic Homotopy Theory”. Online mini-course in the electronic Computational Homotopy Theory Seminar hosted by Wayne State University. May 2019.

- (5) “Higher Real K -Theories”, Graduate Student Topology and Geometry Conference, University of Illinois at Urbana-Champaign, Urbana, Illinois. March 30, 2019.
- (6) “Ants on Pants, or an Introduction to Manifolds and Cobordism”, Illinois Geometry Lab (Undergraduate Colloquium), University of Illinois at Urbana-Champaign, Urbana, Illinois. March 29, 2019.
- (7) Some $K(1)$ -local computations, Chromatic Homotopy Theory: Journey to the Frontier (Graduate workshop), University of Colorado Boulder, Boulder, Colorado. May 16, 2018.
- (8) “Transforming Shapes Into Algebra”, CU Math Club, University of Colorado Boulder, Boulder, Colorado. Featuring Nikki Sanderson (CU Boulder). April 4, 2018.
- (9) “Transforming shapes into algebra”, Colorado Academy Math Club, Denver, Colorado. February 8, 2018.
- (10) “Computations in Homotopy Theory”, Topological and Geometric Methods in QFT, Montana State University, Bozeman, Montana. August 3, 2017.
- (11) “Vector fields and topology”, CU Math Club, University of Colorado Boulder, Boulder, Colorado. September 21, 2016.
- (12) “Find Stability: Suspend a Sphere”, Kalamazoo College Colloquium, Kalamazoo College, Kalamazoo, Michigan. November 7, 2012.

6.7. Teaching Experience before CU.

- (1) Instructor, the University of Chicago Mathematics REU, University of Chicago. Summer 2015.
- (2) Instructor, Algebra 1, The Algebra Initiative, Seminars for Endorsement of Science and Mathematics Educators, University of Chicago. Winter 2015.
- (3) Instructor, Honors Calculus Inquiry Based Learning, Math 161-163, University of Chicago. Fall 2014, Winter 2015, Spring 2015, Fall 2015, Winter 2016, Spring 2016
- (4) Instructor, Honors Calculus 1, Math 161, University of Chicago. Fall 2014.
- (5) Instructor, Introduction to Analysis and Linear Algebra, Math 199, University of Chicago. Fall 2013, Winter 2014 and Spring 2014.
- (6) Mentor, Directed reading program, University of Chicago. Spring 2014.
- (7) Instructor, Math 224: Integral Calculus of One Variable Functions, School of Continuing Studies, Northwestern University. Winter 2013.
- (8) Instructor, Math 211: A Short Course in Calculus, School of Continuing Studies, Northwestern University. Fall 2012.
- (9) Teaching Assistant, Bridge Program, Northwestern University. Summer 2012.
- (10) Teaching Assistant, Math 285 Accelerated Mathematics for MMSS: First Year, Department of Mathematics, Northwestern University. Spring 2012.
- (11) Teaching Assistant, Math 290-1: MENU Linear Algebra and Multivariable Calculus, Department of Mathematics, Northwestern University. Fall 2011.
- (12) Teaching Assistant, Math 340-0: Geometry, Northwestern University. Spring 2011.
- (13) Teaching Assistant, Math 321-1: Real Analysis and Math 321-1: MENU Real Analysis, Department of Mathematics, Northwestern University. Fall 2010.
- (14) Counsellor, Program in Mathematics for Young Scientists, Boston University, Boston, Massachusetts. Summers 2006, 2007.

7. SERVICE ACTIVITIES

7.1. Departmental and university service.

- (1) Chair of the Diversity Committee, Department of Mathematics, CU Boulder. September 2019-Present. (Member since 2018)
- (2) Member of the Graduate Committee, Department of Mathematics, CU Boulder. August 2018-May 2021.
- (3) Member of committee to review postdoc hiring procedures. 2018-2019.
- (4) Co-Organizer for the CU Topology Seminar. August 2016-present
- (5) Co-Organizer for the CU Math Club. August 2016-May 2018.
- (6) Co-Organizer for Topology Day (March 14, 2017, February 2, 2018 and April 16, 2019).

- (7) Member of undergraduate thesis committee other than principal advisor in the Department of Mathematics: Nicholas Boschert (April 14, 2017).
- (8) Member of undergraduate thesis committee other than principal advisor in other departments: Justin White (Physics, April 3, 2019), Luke Mezsar (Computer Science, May 3, 2019), Dylan Wharton (Physics, November 4, 2020).
- (9) Member Ph.D thesis defense committee other than principal advisor: Paul Lessard (April 4, 2019), Leo Herr (May 3, 2019), Jonathan Belcher (April 9, 2019), Caroline Matson (April 7, 2020), Matthew Pierson (March 25, 2021)
- (10) Member of Ph.D qualifying examination committee other than principal advisor in Mathematics: Sebastian Bozlee (October 20, 2016), Matthew Pierson (November 9, 2017), Yu Wang (April 25, 2019), Jonathan Quartin (February 27, 2020), Adrian Neff (April 13, 2021), Howie Jordan (April 20, 2021)
- (11) Member of Ph.D qualifying examination committee other than principal advisor in other departments: Daniel Spiegel (Physics, January 21, 2020), Tzu-Chi Yen (Computer Science, April 27, 2021)
- (12) Principal advisor of Ph.D qualifying examination committee: Katharine Adamyk (April 27, 2017), Cherry Ng (November 16, 2017), Juan Moreno (March 16, 2021), Erik Knutsen (April 6, 2021).
- (13) Preliminary exam preparation and grading: Geometry & Topology, Winter 2017, Winter 2019, Fall 2020.
- (14) Member of promotion committee: Dr. Divya Vernerey (Fall 2018).
- (15) Recommendation letter for undergraduate and graduate students.
- (16) Teaching observation letters and classroom interviews for: Kevin Manley (December 2, 2016), Robin Deeley (November 7, 2018), Divya Vernerey. (Class interview, conducted with Sean O'Rourke, September 12, 2018), Robin Deeley (Class interview, conducted with Sergei Kuznetsov, March 31, 2021).

7.2. Service to the profession and other service.

7.2.1. Conferences and workshop organization.

- (1) Co-Organizer of AMS Special Session *Higher Topological and Algebraic K-Theories*, Salt Lake City, Utah. October 22-23, 2022.
- (2) Co-Organizer for *Homotopy Theory with Applications to Arithmetic and Geometry* to be hosted jointly with the Max Plank Institute (Bonn) and Fields Institute (Toronto). June 27-30, 2022.
- (3) Co-Organizer for AMS Special Session *Effective DEI Efforts in Math Departments*, Virtual AMS Joint Mathematics Meetings. April, 2022.
- (4) Co-Organizer of Canadian Mathematical Society Meeting Session *Homotopy Theory*. December 4-6, 2020. Online event.
- (5) Co-Organizer for AMS Special Session on *Categorical and Computational Methods in Homotopy Theory*, AMS Joint Mathematics Meetings, Denver, CO. January 16, 2020.
- (6) Co-Organizer for "International Workshop on Algebraic Topology", Fudan University, Shanghai, China. August 19-21, 2019.
- (7) Co-Organizer for "International Workshop on Algebraic Topology" (satellite conference to the AMS Joint International Meeting), South University of Science and Technology of China, Shenzhen, China. June 7-9, 2018.
- (8) Co-Organizer for Chromatic Homotopy Theory: Journey to the Frontier – Conference, University of Colorado at Boulder, Boulder, Colorado. This event was filmed. Videos of the talks are available on the conference website. May 18-20, 2018
- (9) Co-Organizer for Homotopy Theory in the Ecliptic: Chromatic, Equivariant, and Motivic Mathematics, Reed College, Portland, Oregon. Videos of the talks are available online. August 18-21, 2017.
- (10) Co-Organizer for the Spring Midwest Topology Seminar, University of Chicago, Chicago, Illinois. May 9-10, 2015.

7.2.2. Other service activities.

- (1) Guest Reviewer for zbMath. November 2019-January 2020

- (2) Reviewer for MathSciNet. February 2017-January 2021.
- (3) Referee for peer-reviewed journals and grants.
- (4) Recommendation letters
- (5) Co-Organizer for the University of Chicago Topology Seminar. September 2013-June 2016.
- (6) Editor and Founding Member, The Delta-Epsilon-McGill's undergraduate Mathematics Magazine, McGill University, Montréal, Québec, Canada. 2005-2008.

8. PROFESSIONAL DEVELOPMENT AND OUTREACH

- (1) "Anti-Blackness Within Non-Black Communities" facilitated by Dr. Patricia Gonzalez, our Assistant Dean for Inclusive Practice. April 12, 2022, 12-1 pm.
- (2) AMS Joint Mathematics Meeting: Hosted Grad and Career Fair virtual recruitment table. January 13, 2021.
- (3) Math Alliance *Fields of Dreams* Conference: Hosted Grad Fair recruitment table. November 6, 2021.
- (4) Presenter on the "Lightning talk" on Diversity Committees at the paraDIGMS 2021 conference. October 28, 2021.
- (5) "Managing Difficult Classroom Dynamics". Facilitated by OIEC. December 2, 2021.
- (6) UndocuAlly training! Facilitated by CISC. September 16, 2021.
- (7) "Using a Syllabus Pledge to Create An Exchange of Accountability" by Dr. Donna Mejia. Workshop for Equitable Teaching Conference. August 13, 2021.
- (8) "Creating a Syllabus". Coffee hour of Equitable Teaching Conference with Dr. CheyOnna Sewell. August 13, 2021.
- (9) Gamification Community of Practice. Arts & Sciences Support of Education Through Technology. May 4, 2021.
- (10) paraDIGMS working groups. Fall 2020 and Spring 2021
- (11) Bystander Intervention to stop anti-Asian/American and xenophobic harassment. Facilitated by Hollaback! May 3, 2021.
- (12) "Mathematics, We Have a Problem" by Dr. Erica J. Graham. paraDIGMS spring conference. April 23, 2021.
- (13) Recognizing & Interrupting Sexism. Center for Inclusion and Social Change. April 20, 2021.
- (14) How to Talk About What Matters: Anti-Asian Racism in the Time of COVID. Center for Inclusion and Social Change. April 7, 2021.
- (15) paraDIGMS workshop. "Looking for Dr. Green: A Workshop on Uncovering Historical Departmental Data on Underrepresented Students" by Dr. Edray Goins. February 9, 2021.
- (16) Equitable Remote Practices: An ICoP Community Meeting. January 13, 2021.
- (17) Bystander Training. OIEC. December 8, 2020.
- (18) Inclusive Excellence in the Graduate Admissions Process workshop. The Graduate School. December 2, 2020.
- (19) ASCEND Community Summit. November 5, 2020.
- (20) paraDIGMS fall conference. Diversity in Graduate Mathematical Sciences. November 20-23, 2020.
- (21) Leadership Alliance Grad Fair. Recruiting event. November 3, 2020.
- (22) Virtual Challenge Experience. Department of Mathematics team building event. Recreation Services. September 12, 2020.
- (23) Administering Quizzes Online with Canvas. OIT Training. August 13, 2020.
- (24) Proctorio Training. OIT Training. August 13, 2020.
- (25) Assignments and Grading in Canvas. OIT Training. August 12, 2020.
- (26) Teaching with Canvas. OIT Training. August 10, 2020.
- (27) What's Your Plan? A Symposium on Education for Fall 2020. Monday, July 27, 2020. College of Engineering & Applied Science
- (28) Inclusive Excellence in the Graduate Admissions Process Workshops. Facilitated by the Graduate School. January 21, 2020.
- (29) FTEP: Flipping the Class for the Skeptic, December 3, 2019.
- (30) Diversity & Inclusion Summit: Intent vs. Impact: Improving Inclusive Interactions. November 12-13, 2019.

- (31) Safe Zone Training. Facilitated by the Gender and Sexuality Center. November 6, 2019.
- (32) FTEP: What are your students learning? February 12, 2019.
- (33) Diversity & Inclusion Summit: Intent vs. Impact: Improving Inclusive Interactions. November 13-14, 2018.
- (34) Grief and self-care discussion session. Facilitated by Elizabeth Wilmer, Assistant Director of The Office of Victim Assistance (OVA). November 2, 2018.
- (35) FTEP: Inclusive classrooms : Moving from theory to practice. Facilitated by Vanessa Roberts, PhD Candidate in Sociology. April 10, 2018.
- (36) FTEP: Completed the New Assistant Professor Program (NAPP) 2016-2017.
- (37) FTEP: Doing It All: The First Seven Years. Facilitated by Myles Osborne, Associate Professor, History. April 13, 2017.
- (38) Safe Zone Training. Facilitated by the Gender and Sexuality Center. March 20, 2017.
- (39) FTEP: Time Management. Facilitated by Martha Hanna, Professor, History. March 1, 2017.
- (40) FTEP: Looking Forward to Tenure and Promotion. Facilitated by Jeff Cox, Associate Vice Chancellor for Faculty Affairs and Chair of the Vice Chancellor's Advisory Committee (VCAC). February 22, 2017.
- (41) FTEP: Addressing Challenging Situations in the Classroom Facilitated by Anna Spain Bradley, Professor, Law. February 9, 2017.
- (42) FTEP: Ditch the Chalk: Using a Tablet in Lecture. Facilitated by Daniel Bolton, Instructor, Physics. February 3, 2017.
- (43) FTEP: Preparing a Teaching Portfolio for Review and Tenure. Facilitated by Katherine Eggert, Professor, Quality Initiative Leader, Office of the Provost. February 1, 2017.
- (44) FTEP: Filling your FRPA. Facilitated by Matt Ramey, Scholarly Impact Liaison, Kristina Cizmar, Academic Services Program Manager, and Kirk Ambrose, Chair of Art and Art History. January 19, 2017.
- (45) Office of Special Undergraduate Enrichment Programs, UROP Symposium and Social. Faculty participant. October 12, 2016.
- (46) Panelist on a Postdoc panel for graduate students sponsored by the AWM on applying for jobs in mathematics at the University of Chicago. Spring 2014, Spring 2015.
- (47) Panelist for Graduate Research Opportunities for Women in Mathematics, Northwestern University, Evanston, Illinois. October 23-25, 2015.
- (48) Center representative for the University of Chicago (with John Boller) and poster presenter at 18th Annual Legacy of R.L. Moore – Inquiry Based Learning Conference, Austin, Texas. June 25-27, 2015.