

ELLEN E. EISCHEN

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ORGANIZATION OF THIS CV

§1 Professional profile; §2 Research; §3 Teaching; §4 Service; §5 Outreach.

To request a more concise or more detailed version of this CV, please email me.

1. PROFESSIONAL PROFILE

• Professional foci and objectives

Contribute to research developments in number theory and beyond; communicate about those developments; and broaden engagement with mathematics.

• Primary employment

- University of Oregon, Professor (previous: Associate and Assistant Professor), 2015–
- The University of North Carolina at Chapel Hill, Assistant Professor, 2012–2015
- Northwestern University, Ralph Boas Assistant Professor, 2009–2012

• Visits

- Keller Center, Princeton University School of Engineering and Applied Science, William R. Kenan, Jr. Visiting Professor for Distinguished Teaching, 2025–2026
- Institute for Advanced Study in Princeton, von Neumann Fellow, 2024–2025
- SLMath/MSRI, Research Professor (spring) and Member (fall), 2022–2023
- ICERM, Research Fellow, fall 2019
- Caltech, Invited Guest, November–December 2018
- EPFL in Switzerland, Invited Academic Guest, August and December 2017
- Columbia University, Visiting Scholar, spring 2014

• Honors and Grants

- von Neumann Fellowship, Institute for Advanced Study in Princeton, 2024–2025
- Fellow of the AMS (2025) and Fellow of the AWM (2024)
- NSF CAREER Grant, 2018–2024
- Continuous NSF research grant support as sole PI: DMS-2302011 ('23-'26), DMS-1751281 ('18-'24), DMS-1559609 ('15-'19), DMS-1249384 ('12-'15). Also collaborative research grant DMS-1557642 ('15-'17) and conference grant DMS-1601959 ('16).
- Other external funding includes NSA MSP conference grant '21-'23, AIM SQuaRE '18, BIRS FRG '14, US Junior Oberwolfach Fellow '14.
- Robert Calderbank and Ingrid Daubechies Scholar, Duke University, 2023–2025
- Teaching awards: Excellence in Remote Teaching (Oregon '20), Williams Fund for Undergraduate Education (Oregon '20), Excellence in Teaching (Northwestern '11)

- **Education**

- University of Michigan, Ann Arbor, PhD in Mathematics, 2009
- Princeton University, A.B. *summa cum laude* in Mathematics, 2003

2. RESEARCH

- **Primary research focus**

Number theory, especially algebraic and p -adic aspects of L -functions and *automorphic forms*, analytic functions that encode data arising in number theory and beyond. Connections with other areas.

- **Scholarly papers**

- *Algebraicity of Spin L -functions for GSp_6* . E. Eischen, G. Rosso, and S. Shah. 62 pages. <https://arxiv.org/pdf/2408.03442>.
- *Introduction to the Mathematical Legacy of Hel Braun*. E. Eischen. To appear in *Mitteilungen der Deutschen Mathematiker-Vereinigung*. 8 pages. Preprint available upon request.
- *Constructing vector-valued automorphic forms on unitary groups*. T. L. Browning, P. Čoupek, E. Eischen, C. Frechette, S. Hong, S.-Y. Lee, and D. Marcil. To appear in *Doc. Math.* 38 pages. Preprint at <https://arxiv.org/abs/2408.05198>
- *Archimedean zeta integrals for unitary groups*. E. Eischen and Z. Liu. *Journal für die reine und angewandte Mathematik (Crelles Journal)* 2024 (2024), No. 813, 103–132. <http://dx.doi.org/10.1515/crelle-2024-0035>
- *Automorphic forms on unitary groups*. E. Eischen. In *Automorphic Forms Beyond GL_2 : Lectures from the 2022 Arizona Winter School*. *Mathematical Surveys and Monographs* 279, American Mathematical Society (2024), 1–58. <https://doi.org/10.1090/surv/279>
- *Entire theta operators at unramified primes*. E. Eischen and E. Mantovan. *International Mathematics Research Notices* (2022), No. 21, 16405–16463. <https://doi.org/10.1093/imrn/rnab190>
- *p -adic families of automorphic forms in the μ -ordinary setting*. E. Eischen and E. Mantovan. *American Journal of Mathematics*. Vol. 143 (2021), No. 1, 1–52. <https://doi.org/10.1353/ajm.2021.0006>
- *An Introduction to Eisenstein Measures*. E. Eischen. *Journal de Théorie des Nombres de Bordeaux*. Vol. 33 (2021), No. 3.1, 779–808. <http://doi.org/10.5802/jtnb.1178>
- *Differential operators mod p : analytic continuation and consequences*. E. Eischen, M. Flander, A. Ghitza, E. Mantovan, and A. McAndrew. *Algebra & Number Theory*. Vol. 15 (2021), No. 6, 1469–1504. <http://doi.org/10.2140/ant.2021.15.1469>

Scholarly papers, continued

- *p-adic L-functions for unitary groups*. E. Eischen, M. Harris, J.-S. Li, and C. Skinner. Forum of Mathematics, Pi. Vol. 8 (2020), E9, 160 pages.
<http://doi.org/10.1017/fmp.2020.4>
- *Applications of nonarchimedean developments to archimedean nonvanishing results for twisted L-functions*. E. Eischen. Math. Res. Lett. 27 (2020), no. 4, 973–1002.
<https://dx.doi.org/10.4310/MRL.2020.v27.n4.a2>
- *A gallery of Gaussian periods*. E. Eischen and S. Garcia. Proceedings of Bridges 2020: Mathematics, Art, Music, Architecture, Education, Culture. Carolyn Yackel, Robert Bosch, Eve Torrence, and Kristóf Fenyvesi, eds., Tessellations Publishing (2020), 243–248. <http://archive.bridgesmathart.org/2020/bridges2020-243.html>
Associated app: <https://apps.apple.com/us/app/gaussianperiods/id1622050577>
- *Bootstrapping estimates of stability for clusters, observations, and model selection*. H. Yu, B. Chapman, A. Di Florio, E. Eischen, D. Gotz, M. Jacob, and R. Hageman Blair. Computational Statistics. Vol. 34 (2019), Issue 1, 349–372.
<http://doi.org/10.1007/s00180-018-0830-y>
Associated R package: <https://cran.r-project.org/web/packages/bootcluster/bootcluster.pdf>
- *Differential operators and families of automorphic forms on unitary groups of arbitrary signature*. E. Eischen, J. Fintzen, E. Mantovan, and I. Varma. Doc. Math. 23 (2018), 445–495. <http://doi.org/10.25537/dm.2018v23.445-495>
- *p-adic Eisenstein series and L-functions of certain cusp forms on definite unitary groups*. E. Eischen and X. Wan. J. Inst. Math. Jussieu. 15 (2016), no. 3, 471–510.
<http://dx.doi.org/10.1017/S1474748014000395>
- *Differential operators, pullbacks, and families of automorphic forms*. E. Eischen. Ann. Math. Qué. 40 (2016), no. 1, 55–82.
<http://dx.doi.org/10.1007/s40316-015-0049-z>
- *p-adic q-expansion principles on unitary Shimura varieties*. A. Caraiani, E. Eischen, J. Fintzen, E. Mantovan, and I. Varma. Directions in Number Theory: Proceedings of the 2014 WIN3 Workshop. Springer International Publishing (2016), 197–243.
http://dx.doi.org/10.1007/978-3-319-30976-7_7
- *A p-adic Eisenstein measure for unitary groups*. E. Eischen. J. Reine Angew. Math. 699 (2015), 111–142. <http://dx.doi.org/10.1515/crelle-2013-0008>
- *A p-adic Eisenstein measure for vector-weight automorphic forms*. E. Eischen. Algebra Number Theory. 8 (2014), No. 10, 2433–2469.
<http://dx.doi.org/10.2140/ant.2014.8.2433>
- *p-adic differential operators on automorphic forms for unitary groups*. E. Eischen. Ann. Inst. Fourier (Grenoble). 62, No. 1 (2012), 177–243.
<http://dx.doi.org/10.5802/aif.2704>
- *Decomposition of almost complete tripartite graphs into two isomorphic factors of fixed diameter*. E. Eischen. Discrete Math. 306 (2006), 745–761.
<http://dx.doi.org/10.1016/j.disc.2006.02.009>
- *Patterns, linesums, and symmetry*. E. Eischen, C. Johnson, K. Lange, and D. Stanford. Linear Algebra Appl. 357 (2002), 273–289.
[http://dx.doi.org/10.1016/S0024-3795\(02\)00417-2](http://dx.doi.org/10.1016/S0024-3795(02)00417-2)

- **Computer app to help visualize number theoretic data**

The **Gaussian Periods** computer app is available on the Mac App Store.

<https://apps.apple.com/us/app/gaussianperiods/id1622050577>

- **Invited lecture series**

- Arizona Winter School, March 2022 (4 lectures on automorphic forms beyond GL_2)
- Iwasawa 2019, Bordeaux, France, June 2019 (4 lectures on p -adic L -functions)
- Introductory Workshop on Euler Systems and Special Values of L -functions, EPFL, Switzerland, August 2017 (3 lectures on p -adic L -functions)

- **Invited research talks during past 10 years**

- Algebra Seminar, University of Pennsylvania, May 2025
- Mathematical Conversations, Institute for Advanced Study, Princeton, April 2025
- Members' Colloquium, Institute for Advanced Study, Princeton, March 2025
- Philadelphia Area Number Theory Seminar, March 2025
- Joint IAS/Princeton Number Theory Seminar, February 2025
- Automorphic Forms and Arithmetic Seminar, Columbia University, February 2025
- Arithmetic Geometry Seminar, CUNY Graduate Center, February 2025
- Workshop on *p-adic families of automorphic forms: theories and applications*, International Centre for Mathematical Sciences, Edinburgh, Scotland, July 2024
- Workshop on *Recent Progress on Hilbert's 12th Problem*, International Centre for Mathematical Sciences, Edinburgh, Scotland, June 2024
- Number Theory Seminar, UCSD, May 2024
- Colloquium, University of Arizona, March 2024
- Number Theory Seminar, University of Arizona, March 2024
- Colloquium, Caltech, February 2024
- Number Theory Seminar, UCSB, December 2023
- Plenary Lecture, TORA, Oklahoma, October 2023
- Karcher Colloquium, University of Oklahoma, October 2023
- ORCID Colloquium, Duke University, September 2023
- Number Theory Seminar, Duke University, September 2023
- “Number Theory and Combinatorics in Duluth” conference in honor of Joe Gallian's 80th birthday, Duluth, MN, August 2023
- Colloquium, University of Utah, April 2023
- Number Theory Seminar, University of Utah, April 2023
- Shimura Varieties and L -functions workshop, MSRI/SLMath, March 2023
- Number Theory Seminar, Caltech, February 2023
- Colloquium, University of California, Berkeley, November 2022
- Colloquium, Temple University, September 2022
- Philadelphia Area Number Theory Seminar, September 2022
- “Community-building in the Langlands program” research conference, University of Bonn, Germany, August 2022

Invited research talks during past 10 years, continued

- Algebra and Number Theory Seminar, Yale University, May 2022
- Algebra and Number Theory Seminar, University College Dublin, Ireland, April 2022
- Number Theory Seminar, University of British Columbia, December 2021
- Algebra and Number Theory seminar, Penn State, April 2021
- Algebra & Discrete Mathematics seminar, University of California, Davis, April 2021
- Colloquium, Penn State, February 2021
- Conference on automorphic forms, automorphic representations, Galois representations, and related topics, RIMS, Kyoto, Japan, January 2021
- Colloquium, University of Arizona, October 2020
- Conference on Serre Weights Conjectures and Geometry of Shimura Varieties, Centre de Recherches Mathématiques, Montréal, Canada, September 2020
- Pacific Rim Conference in Mathematics, UC Berkeley, August 2020
- Colloquium, Rice University, February 2020
- Joint Colloquium, Harvard University, November 2019
- Algebra and Number Theory Seminar, Brown University, November 2019
- Automorphic p -adic L -functions and Regulators conference, Lille, France, October 2019
- Heilbronn Number Theory Seminar, University of Bristol, England, October 2019
- AMS special session on Recent Developments in Automorphic Forms (45-min talk), Central and Western Joint Sectional Meeting, University of Hawaii, March 2019
- AMS special session on Advances in Iwasawa Theory, Central and Western Joint Sectional Meeting, University of Hawaii, March 2019
- Number Theory Seminar, Caltech, November 2018
- Workshop on Special Values of Automorphic L -functions and Associated p -adic L -Functions, BIRS-CMO, Oaxaca, Mexico, October 2018
- Number Theory Seminar, Stanford University, May 2018
- BC-MIT Number Theory Seminar, MIT, May 2018
- Bellairs workshop on Unitary Shimura Varieties & Modular Forms, Barbados, May 2018
- Number Theory Seminar, University of Chicago, March 2018
- Paul J. Sally Midwest Representation Theory Conference in honor of Freydoon Shahidi's 70th birthday, Purdue University, October 2017
- Colloquium, University of Southern California, September 2017
- Special Cycles on Shimura Varieties and Iwasawa Theory conference, EPFL, Switzerland, August 2017
- Mathematical Congress of the Americas, special session on Galois Representations and Automorphic Forms, Montreal, Canada, July 2017
- The Quebec-Vermont Number Theory Seminar, McGill University, May 2017

Invited research talks during past 10 years, continued

- Special session on Automorphic Forms and Arithmetic, AMS sectional meeting, New York, NY, May 2017
- Number Theory Seminar, Caltech, March 2017
- Number Theory Seminar, Oregon State University, October 2016
- Clay Mathematics Institute workshop on Recent Developments on Elliptic Curves, Mathematical Institute of the University of Oxford, England, September 2016
- Plenary speaker, Galois Representations and Automorphic Forms Conference, Bedlewo, Poland, August 2016
- Topic contributed paper session on The NSF/NIH/SAMSI Workshop on Interdisciplinary Approaches to Biomedical Data Science Challenges, JSM, Chicago, August 2016
- Invited lecture, Canadian Number Theory Association Conference (CNTA XIV), University of Calgary, Canada, June 2016
- Number Theory Seminar, University of Chicago, May 2016
- Number Theory Seminar, Northwestern University, May 2016
- Plenary lecture, Alberta Number Theory Days, Banff International Research Station, Canada, April 2016
- Southern California Number Theory Day, UCSD, February 2016
- Number Theory Seminar, UCLA, February 2016
- Special session on Number Theory and Cryptography, JMM, Seattle, January 2016
- AMS special session on The Langlands Program and Related Topics, Central Fall Sectional Meeting, Loyola University, Chicago, October 2015

- **Public Lectures**

- *To Hel and Back: An Early IAS Mathematician and the Shaping of Her Legacy*, Friends of the IAS Talk, Institute for Advanced Study, Princeton, May 2025
- *Creativity Counts: Math+Art*, Jordan Schnitzer Museum of Art, Eugene, May 2021

- **Invited expository talks (for students, etc) during past 10 years**

- What is...? Seminar, Institute for Advanced Study, Princeton, May 2025
- AWM Lecture Series, Rutgers University, March 2025
- AWM Colloquium, UCSD, May 2024
- Plenary Lecture, Berkeley RTG Undergraduate Conference, UC Berkeley, April 2023
- AWM-RTG Lecture Series, University of Utah, April 2023
- Colloquium, Swarthmore College, October 2022
- TATERS seminar, Boise State University, April 2022
- Maseeh Colloquium, Portland State University, May 2021
- Open Neighborhood Seminar, Harvard University, November 2019
- Applied Science Program, The Pennington School, NJ, September 2019

Invited expository talks during past 10 years, continued

- REU, Oregon State University, July 2019
- Faculty Perspectives, IntroDUCkTion, U. Oregon, June 2018 and July 2019
- The North Star Lectures, University of Oregon, May 2019
- Undergraduate Math Club, Occidental College, Los Angeles, November 2018
- Colloquium, Reed College, October 2018

3. TEACHING

- **Mentorship and supervision**

- PhD supervisor to Cathy Hsu '18 (current position: tenure-track assistant professor, Swarthmore College), Jonathan Aycock '22 (current position: Stefan E. Warschawski Visiting Assistant Professor, UCSD), Samantha Platt '24 (current position: assistant professor, Augsburg University), Sean Haight '24 (current position: Milliman), Francis Dunn (PhD expected '26), Sidney Washburn (PhD expected '28)
- Postdoctoral mentor to David Marcil (Paul Olum Postdoctoral Scholar '25-'28), Maria Fox (NSF Postdoctoral Fellow '20-22, Paul Olum Postdoctoral Scholar '19-'20), Vivek Pal (Postdoctoral Scholar in Number Theory '16-'17)
- Research supervisor to undergraduates Abby Lewis, Nat Milnes, Robert Macy, Max Dickinson, and Heidi van Batenburg-Stafford

- **Undergraduate course development**

- Developed new course, *Math and the Creative Process: A Participatory Exploration of Number Theory*, to introduce undergraduates early in their education to skills for exploring and communicating about math.
<https://pages.uoregon.edu/eeischen/CreativityCounts/course/>
- Designed elaborate cryptography scavenger hunt for students in Mathematical Methods of Cryptography.
<http://www.elleneischen.com/cryptography-scavenger-hunt.html>

- **Courses taught**

Range from beginning undergrad to advanced graduate. Courses taught at U. Oregon: Abstract Algebra (Math 44x/54x), Algebraic Number Theory (Math 607), Math and the Creative Process: A Participatory Exploration of Number Theory (Math 199), Modular Forms (Math 684), Linear Algebra (Math 441/451), Mathematical Cryptography (Math 458), Statistics (Math 461/561), and Multivariable Calculus (Math 281/282).

- **Reading courses**

Nearly every term, including 7-person reading courses in Winter '22 and '24.

4. SELECTED SERVICE

- **Editorial boards**

- Member of Editorial Board for the journal *Essential Number Theory*, 2021–present
- Member of Editorial Board for the journal *Research in Number Theory*, 2020–present
- Co-editor of *Directions in Number Theory: Proceedings of the 2014 WIN3 Workshop*. Springer International Publishing (2016).

- **Conference, workshop, and program organization**

- Coorganized semester-long research program at SLMath/MSRI in spring 2023
- Coorganized 13 conferences/workshops/special sessions since 2016:
 - * Co-organizing (with F. Andreatta, E. Hellmann, M. Kakde) Algebraische Zahlentheorie, Oberwolfach Research Institute, Germany, June 2026
 - * Co-organizing (with C. Hsu and K. Stange) Advancing Algebra and Number Theory Research through Illustration, Institut Henri Poincaré, France, March 2026
 - * Co-organized (with H. Darmon, B. Howard, E. Mantovan) Introductory Workshop on Euler Systems and Special Values of L -functions, MSRI, January 2023
 - * Co-organized (with H. Darmon, B. Howard, E. Mantovan) Connections Workshop on Euler Systems and Special Values of L -functions, MSRI, January 2023
 - * Co-organized (with S.W. Shin, L. Xiao) Number Theory and Arithmetic Geometry session, Pacific Rim Mathematical Association Congress, Vancouver, Canada, December 2022
 - * Organized 2 weeklong workshops: collaborative research workshop to promote diverse collaborations and instructional workshop on recent developments, U. Oregon, July and August 2022 <https://sites.google.com/view/automorphic2021>
 - * Co-organized (with M. Dimitrov, A. Jorza) 5-day instructional workshop and 5-day conference on p -adic L -functions and eigenvarieties, Notre Dame, July 2022
 - * Co-organized (with D. Barrera Salazar, L. Alberto Lomelí, A. Pacetti, C. Sorensen) session on Galois representations and automorphic forms, Mathematical Congress of the Americas, Buenos Aires, Argentina, July 2021
 - * Co-organized (with J. Kamnitzer, A. Kontorovich, K. Stange) Illustrating Algebra and Number Theory workshop, week-long workshop as part of the semester-long ICERM program Illustrating Mathematics, Brown University, Providence, RI, October 2019
 - * Co-organized (with Y. Liu, L. Xiao, W. Zhang) AMS Special Session on Special Values of L -functions and Arithmetic Invariants in Families, Spring Eastern Sectional Meeting, University of Connecticut, Hartford, CT, April 2019
 - * Co-organized (with A. Bucur) the AMS/MAA Joint Mathematics Meetings AWM Workshop (special session on number theory), Atlanta, GA, January 2017
 - * Co-organized (with J. Rouse, K. Thompson) the 30th Automorphic Forms Workshop, Wake Forest University, Winston-Salem, NC, March 2016

- **Service to professional organizations**

- Scientific Review Panel, Pacific Institute for the Mathematical Sciences, 2023–2026
- AMS Committee on the Profession, 2020–2023
 - Subcommittee to analyze the report from Committee on Professional Ethics (COPE)
 - Subcommittee to organize panel on COVID and the Profession for JMM 2022
 - Subcommittee to organize panel on Careers Outside Academia for JMM 2023
 - Subcommittee on mitigating the effects of COVID-19
- AMS Liaison Committee with the AAAS, 2020–2022
- MAA Committee on the Earle Raymond Hedrick Lectures, 2022–2025
- AWM Joint Mathematics Meetings committee, 2016

- **Selected university and departmental service**

- Post-Tenure Review Committee (elected 3-person committee), '23-'24
- College of Arts and Sciences Women in Science Mentoring Group, '23-'24
- At-Large Graduate Affairs Committee, UO Math Department, '18-'19, '21-'22, '23-'24
- Teaching Effectiveness Committee, UO Math Department, '21-'22
- Undergrad Research Opportunity Program Faculty Advisory Committee, UO, '21-'22
- Faculty supervisor, Oregon Undergraduate Mathematics Club, '18-'22
- Organizer of Number Theory Seminar, most years 2010–present
- Graduate Advising Committee, UO Math Department, '19-'21
- PhD Committee, UO Math Department, '19-'20
- Open Tenure-Track Search Committee, UO Math Department, '18-'19
- Executive Committee, UO Math Department, '18-'19
- Search committee for UO Director of McNair Scholars Program, '18
- Committee chair, Niven and Moursund Distinguished Lectures, U. Oregon, '17-'18

- **Selected projects to promote broader participation**

- Created research workshop to facilitate new, diverse research collaborations.
<https://sites.google.com/view/automorphic2021/collaborative-research-workshop>
- Spearheaded the creation of the AWM Reading Room at the University of Oregon.
 Featuring resources to help women and other members of underrepresented groups thrive at UO and beyond. <https://pages.uoregon.edu/uoawm/library.html>
- Led a research project at Women in Numbers 3 (co-leader: A. Caraiani)

5. SELECTED OUTREACH

- **Lectures for broader audiences**

Developed and chaired Oregon's *Distinguished Lectures for Students*, 2015–2024
<http://blogs.uoregon.edu/mathisawesome/>

- **Museums**

- Serve on the Advisory Board and the Exhibits Committee for the newly forming Seattle Universal Math Museum, 2021–present (on leave 2024–2026)
- Organized *Creativity Counts* exhibit, on display for 3 months at the Jordan Schnitzer Museum of Art in 2021.

<https://jsma.uoregon.edu/art/exhibition/creativity-counts>

*Accompanying virtual exhibit quickly became JSMA’s most-visited virtual exhibit and was extended to run for over three years, during which it has been viewed from 63 countries and 474 cities. <https://mpembed.com/show/?m=FGvT8EzPQpy&mpu=885>

- **Improv**

Develop and lead workshops for faculty and graduate students that integrate principles of improvisational theater for engagement in the classroom and beyond, 2018–present

<http://www.elleneischen.com/improv-1.html>

- **Nontechnical writing**

- *Time for Math*. E. Eischen. Notices of the American Mathematical Society. Vol. 71 (2024), no. 11, 1484–1485.
<https://www.ams.org/journals/notices/202411/rnoti-p1484.pdf>
- *Planting Seeds for Community*. E. Eischen and C. Hsu. Notices of the American Mathematical Society. Vol. 69 (2022), no. 10, 775–777.
<https://www.ams.org/journals/notices/202210/rnoti-p1738.pdf?adat=November%202022&trk=2563&cat=career&galt=career>.
- *The Seattle Universal Math Museum: Transforming Perceptions of Math*. E. Eischen. MAA FOCUS. Oct/Nov 2022. Vol. 42, No. 5, 6–7. https://digitaleditions.walsworth.com/publication/?i=762972&article_id=4354785&view=articleBrowser
- *Illustrating Mathematics*. E. Eischen. Review of *Illustrating Mathematics*, by D. Davis. Math Horizons. Vol. 29 (2022), no.1, 29–29.
<http://doi.org/10.1080/10724117.2021.1940509>
- *Creativity Counts*. E. Eischen. Math Buffet column in the *Girls’ Angle Bulletin*. Vol. 15 (2021), no. 1, 12–16 and cover image.
<http://www.girlsangle.org/page/bulletin-archive/GABv15n01E.pdf>
- *Moving Ahead in Your Research*. E. Eischen. Notices of the American Mathematical Society. Vol. 66 (2019), no. 2, 194–195. <http://dx.doi.org/10.1090/noti1791>
- *Improv-ing a Mathematician’s Professional Skills*. E. Eischen. MAA FOCUS. Dec 2016/Jan 2017. Vol. 36, No. 6, 22–24. <http://bit.ly/2ikwVg9>
- *5 Key Takeaways from the Innovations Lab*. E. Eischen. August 2015. Report on the first NIH/NSF Innovations Lab. <http://bit.ly/2igAjwK>

- **Selected interviews**

- *Uncovering a Lost Figure in Mathematics*, Institute Instances, Institute for Advanced Study. Spring 2025. <https://www.youtube.com/watch?v=rPNgXWaHG0c>
- *In Search of Striking Mathematical Patterns: Q&A with Ellen Eischen*, Institute for Advanced Study Fall Newsletter. October 2024. <https://www.ias.edu/ideas/search-striking-mathematical-patterns-qa-ellen-eischen>

Selected interviews, continued

- *The Secret Math Journal - with Ellen Eischen*, Numberphile Podcast, hosted by Brady Haran. July 30, 2024. <https://www.numberphile.com/videos/ellen-eischen-podcast>
- *QED: a conversation about math and math education. Hosted by Ingrid Daubechies Featuring Ellen Eischen*, National Museum of Math (online), November 16, 2023. <https://momath.org/civicrm/?page=CiviCRM&q=civicrm%2Fevent%2Finfo&reset=1&id=9656>
- *Oregon professors focus on equity, accessibility in STEM*, KGW (NBC affiliate), hosted by Brittany Falkers, February 11, 2022. <https://www.kgw.com/article/features/oregon-professors-focus-equity-accessibility-in-stem/283-a5adab25-d9f6-47bd-a906-24e68dd6ccb1>
- *Creativity Counts: An exhibit inspired by mathematical processes*, Ester Barkai, Eugene Weekly, June 24, 2021. <https://eugeneweekly.com/2021/06/24/creativity-counts/>
- *Mathematicians Find Long-Sought Building Blocks for Special Polynomials*, Kelsey Houston-Edwards, Quanta Magazine, May 25, 2021. <https://www.quantamagazine.org/mathematicians-find-polynomial-building-blocks-hilbert-sought-20210525/>
- *Stepping Outside the Mold to Improv-e Mathematics*. Winning submission to the AWM/Math for America high school essay contest, 2021 <https://awm-math.org/awards/student-essay-contest/2021-student-essay-contest-results/2021-student-essay-contest-high-school-winner/>