Ellen E. Eischen

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Organization of this CV

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

More detailed CV available upon request.

1. Professional profile

- **Professional foci and objectives**

  Contribute to research developments in number theory and beyond; expand participation in mathematics; and communicate with broader communities.

- **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**

  - 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

- **Education**

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

- **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)

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.

- **Research papers**

  - *Algebraicity of Spin L-functions for* GSp_6. E. Eischen, G. Rosso, and S. Shah. 60 pages. Submitted in December 2024. `https://arxiv.org/pdf/2408.03442`.

  - *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. 32 pages. Submitted in September 2024. `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`

  - *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`

Research papers, continued

– *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`

- **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
  - Members' Colloquium, Institute for Advanced Study, Princeton, March 2025
  - Philadelphia Area Number Theory Seminar, March 2025
  - Number Theory Seminar, Princeton University, 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
  - 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

Invited research talks during past 10 years, continued

– 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

– 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

Invited research talks during past 10 years, continued

– 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

– Pacific Northwest Number Theory Conference, Eugene, Oregon, May 2015

– Philadelphia Area Number Theory Seminar, Bryn Mawr College, April 2015

- **Public Lecture**

  – Creativity Counts: Math+Art, Jordan Schnitzer Museum of Art, 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

  – 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

  – Distinguished Lecture for Students, MAA Southeastern Section Meeting, March 2015

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: adjunct, Seattle University), Francis Dunn (PhD expected '25), Sidney Washburn (PhD expected '28)
  - NSF postdoctoral mentor to Maria Fox (current position: tenure-track assistant professor, Oklahoma State University) and postdoctoral mentor to Vivek Pal
  - 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 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)

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5. SELECTED OUTREACH

- **Museums**

  - Serve on the Advisory Board and the Exhibits Committee for the newly forming Seattle Universal Math Museum, 2021–2024
  - 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`

- **Lectures for broader audiences**

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

- **Nontechnical writing**
  - *Time for Math.* E. Eischen. Notices of the American Mathematical Society. Accepted for publication in the December 2024 issue.
  - *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**
  - *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`
  - *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/`