

# SAMUEL HANSEN

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## WORK EXPERIENCE

*2019–Present*   Mathematics & Statistics Librarian, UNIVERSITY OF MICHIGAN  
*2009–Present*   Director & Podcast Producer, ACMESCIENCE.COM  
*2017–2019*     PodcastRE Developer (Research Assistant), UNIVERSITY OF WISCONSIN

## EDUCATION

*2017–2019*     University of Wisconsin, Madison  
                      Masters of Library and Information Science  
                      Advisor: Dorothea Salo

*2008–2011*     University of Nevada, Las Vegas  
                      Masters of Science: Pure Mathematics  
                      Thesis: *Zero-Sum Magic and Null Sets of Planar Graphs*  
                      Advisor: Prof. Ebrahim Salehi

*2005–2008*     University of Wisconsin, Green Bay  
                      Bachelor of Science: Mathematics (Minor: Humanistic Studies)

## JOURNAL ARTICLES

*Upcoming*     PodcastRE Analytics: Studying the Norms, Styles, and Cultures of an Evolving Medium  
                      Digital Humanities Quarterly  
                      Authors: Eric Hoyt, Jeremy Morris, JJ Bersch, Susan Noh, Samuel Hansen, and Jacob Mertens

*2019*             The PodcastRE Project: Curating and Preserving Podcasts and their Data  
                      Journal of Radio and Audio Media  
                      Authors: Jeremy Morris, Samuel Hansen, Eric Hoyt

*2010*             Zero-sum magic and null sets of planar graphs  
                      Journal of Combinatorial Mathematics and Combinatorial Computing  
                      Authors: Ebrahim Salehi, Samuel Hansen

## BOOK CHAPTERS

*Upcoming*     The Feed is the Thing  
                      Saving New Sounds

*Upcoming*     Can a Hammer Categorize Highly Technical Articles?  
                      Machine Learning for Cross-Disciplinary Research

## PRESENTATIONS

## INVITED

- Apr 2020* Can you tell me a story? - Why and How we should tell more stories in mathematics  
MAA Allegheny Mountain Section Meeting 2020
- Oct 2019* Audio and the Academic Career (Panel)  
Sound Education 2019
- Sep 2019* Mathematical Biology and Systematic Mathematical Research Analysis  
ISSI 2019
- Nov 2018* Cycle of Mathematics: Development to Publication to Inspiration  
Sound Education 2018
- July 2018* Storytelling in the Mathematical Domain  
Girls Talk Math  
University of Maryland, College Park
- Nov 2011* Tell More Stories: Why We Need More Storytelling in Mathematics  
Mathematics Department  
University of Arkansas
- Nov 2010* Mathematical Podcasting  
IMA Early Career Mathematicians Conference  
With Peter Rowlett
- Nov 2010* Bacon, Small-Worlds, and Your Important Friends: Social Network Theory Explained  
University of Leicester Math Society & University of Birmingham Math Society  
With Peter Rowlett
- Nov 2010* Maths and Computing History Tour of Nottingham  
University of Greenwich Math Society  
With Peter Rowlett

## CONTRIBUTED

- Mar 2020* Campaigning Your Way to Useable and Clean Data  
The Collective 2020  
With Meredith Hale, Monica Ihli, and Allison Kittinger
- July 2019* What 117 years of aging data tells us about Mathematics Collections Development  
Great Lakes Science Bootcamp 2019
- May 2019* Mathematics  $\neq$  Science: A study in citation rates over time  
Bibliometrics and Research Impact Community Conference 2019
- Nov 2018* The long tail of mathematical citations

Annual MathsJam Gathering 2018

- Aug 2018* Playing with Mathematical Topic Modeling  
GeoDeepDive Workshop
- June 2018* PodcastRE Not Podcatcher: Archiving Podcasts for Research  
Code4Lib Midwest 2018
- Jan 2018* Word Problems from the Mid-1800s to Now: A Textbook Survey  
Joint Mathematics Meetings 2018
- Jan 2017* Outside the Equation — Exploring Alternative Forms of Mathematical Communication (Panel)  
Joint Mathematics Meetings 2017
- Jan 2017* What We Talk About When We Talk About Mathematics (Panel)  
Joint Mathematics Meetings 2017
- Aug 2010* Auditory Mathematics: Podcasting as Mathematical Outreach  
Math Fest 2010
- Jan 2010* Mathematics and the Internet: The Impact of New Media on a Discipline  
Joint Mathematics Meetings 2010
- May 2009* Zero-Sum Magic and Null Sets of Planar Graphs  
40th Southeastern International Conference on Combinatorics, Graph Theory and Computing

#### POSTERS

- Sept 2019* Sleeping Beauties in Mathematical Research  
International Conference on Scientometrics and Informetrics 2019
- June 2019* Measuring Similarity Between Mathematics Research  
& its References Using Bibliographic Coupling  
Special Libraries Association Annual Conference 2019
- June 2018* Relatively Prime — A Podcast Story in 3 Seasons  
ComSciCon 2018

#### PODCASTS

##### SERIES

- 2012-Current* Relatively Prime Stories from the Mathematical Domain  
Host & Producer
- 2015-2017* The Other Half  
Executive Producer & Editor
- 2009-2016* Strongly Connected Components

Host & Producer

- 2012-2015* Science Sparring Society  
Host, Producer, & Writer
- 2010-2013* Math/Maths  
Co-presenter with Peter Rowlett
- 2009-2011* Combinations and Permutations  
Producer & Host

#### LIVE SHOWS

- Jan 2019* Relatively Prime - Truthiness  
Joint Mathematics Meetings 2020
- Nov 2018* Relatively Prime - All The Math Podcasts  
Annual MathsJam Gathering 2018
- Jan 2017* Relatively Prime - Origins  
Joint Mathematics Meetings 2017
- Nov 2012* Math/Maths Live at MathsJam 2012  
Annual MathsJam Gathering 2012  
With Peter Rowlett
- Nov 2011* Math/Maths Live from Kingswood School  
Kingswood School Bath, England  
With Peter Rowlett
- Nov 2011* Math/Maths Live at MathsJam 2011  
Annual MathsJam Gathering 2011  
With Peter Rowlett
- Nov 2010* Math/Maths Live from Greenwich  
University of Greenwich  
With Peter Rowlett
- Nov 2010* Math/Maths Live from MathsJam 2010  
Annual MathsJam Gather 2010  
With Peter Rowlett

#### HONORS AND AWARDS

- 2020* University of Michigan Library Research and Creative Project Grant  
Funding for production of podcast on fake news and disinformation  
With Angela Oehrli, Hailey Mooney, and Shevon Desai
- 2019* CADRE Fellowship

Systematic over-time study of the similarities and differences in research across mathematics and the sciences

- 2019 CADRE Fellowship  
Comparative analysis of legacy and emerging journals in mathematical biology  
With Marisa Conte, Scott Martin, and Santiago Schnell
- 2019 SLA All-Star Poster Session  
Measuring Similarity Between Mathematics Research & its References Using Bibliographic Coupling
- 2019 Best Use of DH For Fun - DHAwards  
PodcastRE
- 2015 PRX STEM Story Project Grantee  
Three Letters Meet on Broom Bridge
- 2013 Best Science Multimedia on the Web - The Science Studio 2012 collection  
Chinook - Relatively Prime: Stories from the Mathematical Domain
- 2010 Edublog Awards Best Education Podcast Shortlist  
Math/Maths  
With Peter Rowlett
- 2008 Sheepshead Review Rising Phoenix Award  
Today on Book of the Day: Your Story on Shuffle