

JEFFREY PAUL WHEELER
CURRICULUM VITAE

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EDUCATION

- Ph.D. (2008) The University of Memphis, Memphis, TN - Supervisor: Paul Neville Balister
Dissertation: *The Cauchy-Davenport Theorem and the Erdős-Heilbronn Problem for Finite Groups*
Committee: Béla Bollobás, James Campbell, Tsz Ho Chan, Cecil Rousseau (5th most papers with Erdős), András Sárközy (most papers with Erdős)
- M.Sc. The University of Tennessee, Knoxville, TN - Supervisor: Pavlos Tzermias
Thesis: *The ABC Conjecture*
Committee: David Anderson and Shashikant Mulay
(I left the UT PhD program for Memphis when my wife began her FedEx career)
- B.A. Miami University, Oxford, OH
Major: Mathematics and Statistics, Minor: Social Work

AREAS OF INTEREST

Combinatorics, Number Theory, Operations Research, and Algebra.

POSITIONS HELD

TEACHING

- 2013-Present Lecturer, University of Pittsburgh
2009-2013 Assistant Instructor, University of Pittsburgh
2008–2009 Adjunct Professor of Operations Research, Tepper Business School, Carnegie Mellon University
2008–2009 Part-time Faculty, University of Pittsburgh
2008 Adjunct Faculty, Duquesne University
2002–2008 Graduate Teaching Assistant, University of Memphis
2004–2005 Instructor, Rhodes College, Memphis, TN
1998–2002 Graduate Teaching Assistant, University of Tennessee, Knoxville
1996–1998 Graduate Teaching Assistant, Miami University, Oxford, OH
1990–1996 Lecturer, Belmont Technical College, St. Clairsville, OH

ADMINISTRATIVE

- 1994–1996 Evening/Weekend Coordinator, Belmont Technical College, St. Clairsville, OH

PUBLICATIONS

7. “*The Mason-Stothers Theorem*”. This is an article I was asked to write for the 100th anniversary edition of the *Pi Mu Epsilon Journal*. 2013
6. “*On the Inverse Erdős-Heilbronn Problem for Restricted Set Addition in Finite Groups*”, with Suren Jayasuriya[†] and Steven Reich[†]. Submitted to *Involve*. 2013
5. “*Additive Properties of Pairs of General Sequences*”, with Fabricio Benevides, Jonathan Hulgan, Nathan Lemons, Cory Palmer, and Ago-Erik Riet, *Acta Arithmetica* 140 (2009), 105-118.
4. “*The Erdős-Heilbronn Problem for Finite Groups*”, with Paul Balister, *Acta Arithmetica* 139 (2009), 185-197.
3. “*Sequences with a Constant Ratio*”, with Jonathan Hulgan in the *Pi Mu Epsilon Journal*. 2008
2. “*The Cauchy-Davenport Theorem for Finite Groups*”. This work was done independently of Gyula Károlyi’s 2006 work, but never published. On *arXiv.org*. 2006
1. “*The abc Conjecture*” - my Master’s Thesis. On the *ABC Conjecture Home Page* maintained by Abderrahmane Nitaj of the University of Caen, France. As high as the #4 document (until recent announcement of Shinichi Mochizuki’s paper) when searching via Google the “abc Conjecture”. REUs exploring the abc Conjecture have used my Master’s Thesis as a text. 2002

ACADEMIC VISITS

June–July 2005 Trinity College, Department of Pure Mathematics and Mathematical Statistics,
University of Cambridge, Cambridge, England

AWARDS

2016	Nominee	Tina and David Bellet Excellence in Teaching Award in the Dietrich School of Arts and Sciences at the University of Pittsburgh
2015	Finalist	<u>Tina and David Bellet Excellence in Teaching Award in the Dietrich School of Arts and Sciences at the University of Pittsburgh</u>
2012	Recipient	Pitt’s <u>Lambda Sigma</u> (a national honors society for second year students) chapter’s inaugural <u>Teacher of the Month</u> (October)
2008	First Place	Math and Computer Science division of the 20th Annual Student Research Forum, University of Memphis
2005	Recipient	Graduate Assistant Teaching Award, University of Memphis
2002	Finalist	Dorothy & Edgar D. Graves Graduate Teaching Award, Un. of Tennessee-Knoxville
2001	Recipient	Dorothy & Edgar D. Graves Graduate Teaching Award, Un. of Tennessee-Knoxville
2000	Finalist	Dorothy & Edgar D. Graves Graduate Teaching Award, Un. of Tennessee-Knoxville
1999	Finalist	Dorothy & Edgar D. Graves Graduate Teaching Award, Un. of Tennessee-Knoxville
1998	Finalist	Graduate Teaching Award, Miami University
1997	Finalist	Graduate Teaching Award, Miami University

[†]Undergraduates at time of research.

SUPERVISED GRADUATE WORK

PhD Committee	David Burnstein (J. Rubin)	current
PhD Committee	Xiao Ma (Info Sciences)	current
MS Thesis Supervisor	Ian Martiny ¹ 2015	CS PhD Student U of Colorado, Boulder
MS Thesis Supervisor	Corinne Brucato ² 2013	Tenure-track Math Faculty CCAC
MS Thesis Committee	Dan Juncos 2010	
MS Exam Committee	Zayd Ghoggali 2013 Nadine Burt 2012	

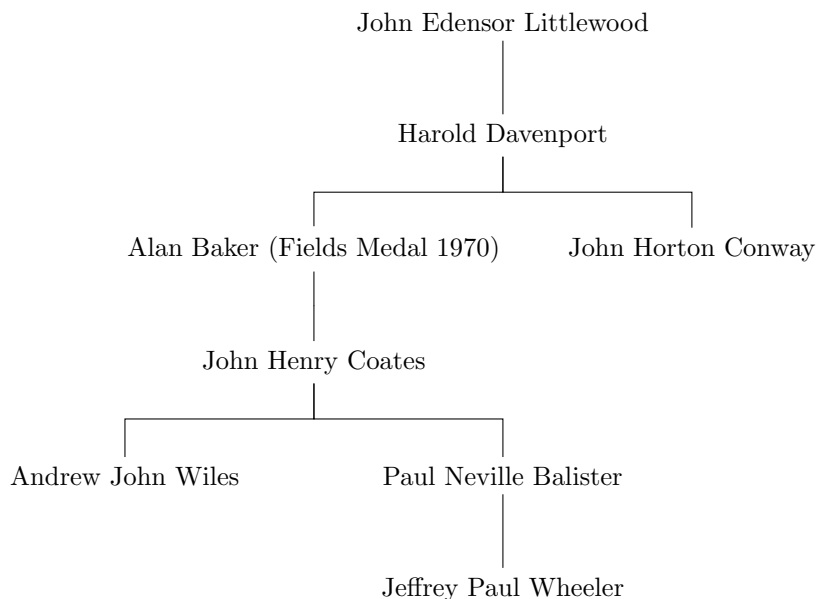
¹ “Top Presenter” at 2015 Dietrich School of A&S Grad Expo. CS Phd student, University of Colorado.

² Bellet Teaching Award recipient. Tenure-track Math faculty at CCAC.

ADDITIONAL INFORMATION

Most Papers with Paul Erdős[†]

1. András Sárközy (62 papers) - on my committee (visiting Memphis for academic year)
2. András Hajnal (56 papers)
3. Ralph Faudree (50 papers) - at Memphis
4. Richard Schelp (42 papers) - at Memphis
5. Cecil C. Rousseau (35 papers) - on my committee and at Memphis

My Geneology

[†]Erdős Project website <http://www.oakland.edu/enp> list Erdos0p or Wikipedia

TEACHING EXPERIENCE (THROUGH SPRING 2016)

Please feel free to read student evaluations from the University of Pittsburgh, the University of Memphis, and Rhodes College at ratemyprofessor.com

UNIVERSITY OF PITTSBURGH	Combinatorics (graduate)	1 section
	Algebraic Number Theory (graduate)	1 section
	Math Problems in Business, Industry and Government	2 sections
	I designed this course	
	Introduction to Optimization	I designed this course
	Graph Theory	3 sections
	Numerical Mathematica Analysis	1 section
	Number Theory	3 sections
	Abstract Algebra (senior level)	2 sections
	Abstract Algebra (sophomore level)	5 sections
	Introduction to Theoretical Mathematics	3 sections
	Intro to Linear Algebra	1 section
	Calculus III	3 large sections
	Calculus II (course coordinator 3 times)	17 large sections
	Calculus I	11 large sections
	Business Calculus	1 large section
	Graduate Directed Study	Combinatorics
	Graduate Directed Study	Graph Theory (three offerings with 4 students total)
	Undergraduate Directed Study	Additive Combinatorics (four offerings with 4 students total)
Undergraduate Directed Study	Enumerative Combinatorics (eight offerings with 8 students total)	

Includes supervising recitation Teaching Assistants and graders.

CARNEGIE MELLON UNIV.	Optimization Models for Operations	1 MBA section
	Mathematical Models for Consulting	2 sections
	Additive Combinatorics (graduate course)	taught one week

DUQUESNE UNIVERSITY	Calculus I	1 section
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UNIVERSITY OF MEMPHIS	Foundations of Mathematics	1 large section
	Mathematical Experiences	1 section
	Elementary Calculus	2 sections
	College Algebra & Trigonometry	1 large section
	Calculus I	2 sections
	Honors Calculus I	1 section
	Calculus II	2 sections
	Discrete Structures	3 sections
	Introduction to Proofs/Fundamentals of Mathematics	2 sections
<i>reading course:</i> Number Theory ¹	1 section	
<i>reading course:</i> Adv. Topics in Discrete Mathematics ²	1 section	
<i>reading course:</i> Galois Theory	1 section	

Instrumental in leading a freshman from a D in Calc 1 to the Memphis Putnam Team.

¹ For the final exam, the student presented a proof of the Law of Quadratic Reciprocity.

² For the final exam, the student [a freshman] gave a presentation of the Stirling Numbers of the First and Second

Kinds to a panel of faculty.

Additionally, at Memphis, I assisted in teaching special sections of Elementary Calculus and Honors Calculus II. I also taught 2 continuing education courses on ACT prep.

RHODES COLLEGE	Fall 2004 Spring 2005	Applied Calculus Calculus II
UNIVERSITY OF TENNESSEE	Finite Math Precalculus Business Calculus Calculus II	2 sections 7 sections (including 1 large section) recitation recitation
MIAMI UNIVERSITY	Precalculus Calculus I	1 section 3 sections
BELMONT TECHNICAL COLLEGE	Intro to College Math I Intro to College Math II Prealgebra Elementary Algebra I Elementary Algebra II Math Study Skills College Business Math Allied Health Math Tech Math I Engineering Math I Precalculus Physics I Physics II Engineering Chemistry Intro to Polymer Chemistry Engineering Mechanics I <i>reading course:</i> Calculus I <i>reading course:</i> History of Mathematics <i>designed and taught:</i> Intro to Logic	4 sections 2 sections 15 sections 16 sections 12 sections 1 section 1 section 1 section 1 section 1 section 4 sections 2 sections 1 section 1 section 1 section 1 section 1 section 1 section 1 section 1 section 1 section

Additionally I taught at least 4 continuing education courses on site.

NOTABLE PITT TEACHING ACTIVITIES

- New Courses Designed and Introduced
 1. Math 1101 - an Introduction to Optimization. Though a proper mathematics course, an emphasis is to give students the opportunity to create a skill set and gain experience with the aim of making them more attractive to a non-academic employer (the students team up at the end of the semester and present cases). This has been a very popular course, attracts a large number of students from other departments, and I regularly receive thank you notices from former students writing how something from the class helped them secure or advance at a job.
 2. Math 1103 - BIG Problems. In this seminar course, students team together to address problems obtained from Business, Industry, and Government (BIG). Students dialogue with BIG representatives to fully understand the problems then develop a strategy for solving the problems. No prescribed solution techniques will be assumed; students draw upon their current mathematical, statistical, and computer knowledge to address the problems and most likely need to further

deepen their current knowledge in these areas. Weekly progress reports will be expected. Additionally, each team will be required to give a presentation of their problem and solution.

The initial 2015 course was 1 of 30 nationwide accepted into the Mathematical Association of America's (MAA) pilot PIC Math Program (Preparation for Industrial Careers in the Mathematical Sciences). The Spring 2016 BIG Problems class will be 1 of 50 participating in the second year (17 returning classes). As part of the program the student presentations are to be recorded then submitted to the MAA where they are to be judged by a panel. PIC Math requests students attend the MAA's national meeting MathFest 2016. Please see Math Retreat Power Point Slides for more information including student testimonials.

- Undergraduate Research

- I have done meaningful research with two undergraduates (we submitted a paper) and have two projects with other students.
- Developed and chair the **Undergraduate Mathematics Seminar [UGMS]** (Please see Math Retreat Power Point Slides for more information). During 2014-2015 I was responsible for 15 of the 22 talks, including 5 undergraduate presentations.
- I encourage talented students to give presentations in class or at seminars. Some notable presentations:
 - * Supervised BIG team presenting to MAA, Global Links reps, and the UGMS.
 - * Supervised BIG team presenting to MAA, business liaisons, and the UGMS.
 - * Supervised Engineering undergrad Jonathan Kelly organizing his combinatorial findings into a coherent talk (with proof) to the UGMS.
 - * Supervised undergrad Nathan Warkentin to give a talk (with proof) on the transcendental numbers to the UGMS.
 - * Supervised undergrad Derek Or to give a talk (with proof for $n = 2$) on the Frobenius Coin Problem (open for > 2 coins) to the UGMS.
 - * Supervised an undergraduate presentation of Szemerédi's Regularity Lemma to the Pitt Math Club, the Allegheny Mountain MAA section, CMU Math Club, and a poster at the 2014 Erdős Memorial Lecture Series at the University of Memphis. The student presented between two University of Cambridge graduate students and entertained questions from a Fields Medalist.
 - * Spring 2013 - Math 1310 (Graph Theory)
 - A student gave a clever alternate proof of Cayley's Theorem for Trees.
 - An engineering graduate student gave a presentation comparing the run-times of Kruskal's Algorithm versus Prim's Algorithm.
 - An application of Graph Theory to bell-ringing (this really was quite an involved presentation that may have been too much for the class, though the student that presented it was incredibly talented).
 - * Fall 2012 - Math 1020 (Number Theory)
 - A talented student gave a 75 minute lecture on Ramanujan partition identities.
 - * Fall 2012 - Math 1020 (Number Theory)
 - A student presented the Bernoulli Numbers and their application.
 - * Fall 2012 - Math 1020 (Number Theory)
 - A student presented the Catalan Numbers and their application.
 - * Spring 2011 - Math 1250 (senior level abstract algebra)
 - A student presented p -adic numbers and then used them to prove that $\sqrt{2}$ is irrational and also used them to prove that H_n , the n^{th} harmonic number, is not an integer for $n > 1$.
 - * Spring 2011 Classical Number Theory Seminar
 - The above student, under my supervision, presented a recent paper (of someone else) to our Classical Number Theory Seminar establishing an relationship between some classic arithmetic functions.
 - * Spring 2011 - Math 1250 (senior level abstract algebra)
 - A student presented a proof of a theorem that appeared in the "Prisoner of Benda" episode of *Futurama* (the "Brain Swap" episode; Executive Producer Ken Keeler is a Harvard-educated

Mathematics Ph.D.).

- * Spring 2010 - Math 1250 (senior level abstract algebra)

A student presented Lagrange's proof of the theorem that bears his name. The student read Lagrange's original paper that was written in French.

- * Please also see the footnotes at the top of page 4 regarding my teaching at Memphis.

- Supervised Student Conference Activity (12 students)
 - 2105 Undergraduates Eric Bentley, Michael Garver, Chris Lindeman, and Joseph Molisani present their BIG Problems results at the MAA's national meeting MathFest in Washington, DC.
 - 2014 Grad student Woden Kusner to the 2014 *Erdős Memorial Lecture Series* at the University of Memphis. Woden presented a poster under my encouragement.
 - 2014 Junior math major Jourdain Lamperski to the 2014 *Erdős Memorial Lecture Series* at the University of Memphis. Jourdain presented a poster under my supervision.
 - 2012 Corinne Brucato (Masters student) to the 2012 *Erdős Memorial Lecture Series* at the University of Memphis. Corinne presented a poster.
 - 2011 Steve Reich and Richard Snyder to *EXCILL2: Extremal Combinatorics at Illinois, University of Illinois, Urbana-Champaign*
 - 2010 Chris Jones (graduate student), Suren Jayasuria, and David Hornbeck to 2010 *Erdős Memorial Lecture Series* at the University of Memphis.
- Have excellent speakers in my Optimization and Graph Theory classes:
 - Michael Trick, who schedules Major League Baseball, spoke to my Graph Theory class on scheduling (which involves Graph Theoretical ideas).
 - The statistical analyst for the Pittsburgh Pirates has shown how the organization uses optimization in its strategies and how he uses Excel to do modeling.
 - A divisional manager at the NSA spoke to my Fall 2014 and Fall 2015 Number Theory classes.
 - Since many of the students hope to be consultants or may be actuaries for consulting companies, I had a group of consultants from Deloitte who work with actuaries speak to the class.
 - A faculty member from Pitt's professional MBA program came and spoke on his work in Sensitivity Analysis and life as an applied mathematician in the private sector.
 - A group that does combinatorial optimization for FedEx has presented their work.
 - I regularly have a Pitt HR representative give a presentation on interviewing.
- I have supervised eighteen (18) directed studies/reading courses in my career. At Pitt my directed studies have included four (4) Culver Prize Winners[†]
 - Graduate Graph Theory - 3 times with a total of 4 students
 - Graduate Combinatorics
 - Undergraduate Combinatorics - 9 times with a total of 12 students
- I use a Surface Pro tablet when lecturing. In addition to being able to generate graphs, use Excel or Mathematica, I write the lecture notes on my laptop which are displayed on a projector (or - if equipped) on a PC screen at their desk. The notes are converted to a pdf and later posted on Courseweb.

[†]Jourdain Lamperski '15 Op Research PhD student at MIT with a fellowship, Suren Jayasuria '13 Elect and Comp Eng PhD student at Cornell with a fellowship, Stephen Reich '13 Phd student in Algebra at Maryland, Richard Snyder '13 Phd student in Combinatorics at Memphis (student of Bollobás).

RESEARCH TALKS

22. Jan 15 Spring 2015 “The Erdős-Heilbronn Problem for Finite Groups,” Algebra and Number Theory Seminar, **Penn State University**.
21. Nov 29, 2012 “The Polynomial Method of Alon, Nathanson, and Rusza,” Combinatorics Seminar, **University of Nebraska, Lincoln**.
20. Oct 27, 2012 “The Polynomial Method of Alon, Nathanson, and Rusza,” Algebra Gathering, **Slippery Rock University**.
19. March 13, 2012 “The Polynomial Method of Alon, Nathanson, and Rusza,” Combinatorics Seminar, **University of Illinois, Urbana-Champaign**.
18. Jan 20, 2011 “The Polynomial Method of Alon, Nathanson, and Rusza,” ACO Seminar, **Carnegie Mellon University**.
17. Nov 18, 2010 “The abc Conjecture and the Polynomial Analogue of Fermat’s Last Theorem,” Classical Number Theory Seminar, **University of Pittsburgh**.
16. Nov 4, 2010 “The Polynomial Method of Alon, Nathanson, and Rusza,” Research Highlights Seminar, **University of Pittsburgh**.
15. Oct 22, 2009 “A Proof of the Erdős-Heilbronn Problem Using the Polynomial Method of Alon, Nathanson, and Rusza,” Algebra, Combinatorics, and Geometry Seminar, **University of Pittsburgh**.
14. Apr 15, 2009 Colloquium Speaker, **University of Tennessee, Knoxville** [“The Erdős-Heilbronn Problem for Finite Groups,”].
13. Oct 30, 2008 “The Erdős-Heilbronn Problem for Finite Groups,” ACO Seminar, **Carnegie Mellon University, Pittsburgh**.
12. Sept 25, 2008 “The Erdős-Heilbronn Problem for Finite Groups,” Algebra, Combinatorics, and Geometry Seminar, **University of Pittsburgh**.
11. May 16-18, '08 “The Erdős-Heilbronn Problem for Finite Groups,” International Conference on Interdisciplinary Mathematical Techniques [IMST 2008 -FIM XVI]; **University of Memphis**.
10. April 25-26, '08 “The Erdős-Heilbronn Problem for Finite Groups,” 46th Midwestern Conference on Graph Theory (MIGHTY XLVI); **West Virginia University**, Morgantown, WV.
9. Feb 21, 2008 “The Erdős-Heilbronn Problem for Finite Groups,” Chat Yin Ho Memorial Conference on Combinatorics and Groups, the **University of Florida**.
8. Nov 27, 2007 “The Erdős-Heilbronn Problem for Finite Groups,” Graph Theory and Combinatorics Seminar, **The University of Illinois at Urbana-Champaign**.
7. Nov 9, 2007 “Additive Properties of Two General Sequences,” Combinatorics Seminar, the **University of Memphis**.
6. Oct 27, 2007 “The Erdős-Heilbronn Problem for Finite Groups,” *2007 Integers Conference*, **University of West Georgia**, Carrollton, Georgia.
5. March 19, 2007 “The Erdős-Heilbronn Problem for Finite Groups,” **Miami University**, Oxford, Ohio.
4. March 16, 2007 “A Survey of the Cauchy-Davenport Theorem and the Erdős-Heilbronn Conjecture,” *AMS Spring Central Section Meeting*, **Miami University**.
3. Nov 10, 2006 “The Erdős-Heilbronn Problem for Finite Groups,” Combinatorics Seminar, the **University of Memphis**.
2. April 3, 2006 “The Cauchy-Davenport Theorem for Finite Groups,” **West Virginia University**.
1. Feb 24, 2006 “The Cauchy-Davenport Theorem for Finite Groups,” Combinatorics Seminar, the **University of Memphis**.

INVITED TALKS

16. Nov 9, 2015 “The abc Conjecture and the Polynomial Analogue of Fermat’s Last Theorem,” Undergraduate Mathematics Seminar, **University of Pittsburgh**.
15. Sept 15, 2015 “The abc Conjecture and the Polynomial Analogue of Fermat’s Last Theorem,” Math Club, **University of Pittsburgh**.
14. Apr 8, 2014 “The abc Conjecture and the Polynomial Analogue of Fermat’s Last Theorem,” Math Club, **University of Pittsburgh**.
13. April 5, '14 “Assigning Value to the Valueless: Cauchy’s Principal Value Method for Divergent Integrals and similar ideas for Divergent Series”, MAA Allegheny Mountain Section Spring Meeting, **Westminster College**.
12. Oct 31, '13 “Assigning Value to the Valueless: Cauchy’s Principal Value Method for Divergent Integrals and similar ideas for Divergent Series”, Pitt’s *College in High School* program, **University of Pittsburgh**.
11. April 6, '13 “Fermat’s Last Theorem for Polynomials”, MAA Allegheny Mountain Section Spring Meeting, **Indiana University of Pennsylvania**.
10. Nov. 9, 2012 “Pitt Calc 2 Curriculum vs AP BC Exam Topics”, a talk to 60 area high school teachers participating in Pitt’s *College in High School* program, **University of Pittsburgh**.
9. Sept 20, 2012 “A Polynomial Analog of Fermat’s Last Theorem,” *University of Pittsburgh Mathematics Club*.
8. March 13, 2012 “A Polynomial Fermat’s Last Theorem,” Graduate Seminar, **University of Illinois, Urbana-Champaign**.
7. Nov 4, 2011 “The Trouble with Infinity” a talk to 60 area high school teachers participating in Pitt’s *College in High School* program, **University of Pittsburgh**.
6. Apr 14, 2011 “Pascal’s Triangle and the Binomial Theorem,” a talk to 30 area gifted high school students, **Schenley High School**.
5. April 20, 2011 “The abc Conjecture and the Polynomial Analogue of Fermat’s Last Theorem,” Math Club, **Carnegie Mellon University**.
4. Nov 5, 2010 “Pascal’s Triangle and the Binomial Theorem,” a talk to 60 area high school teachers participating in Pitt’s *College in High School* program, **University of Pittsburgh**.
3. Feb 1, 2010 “A Polynomial Analog of Fermat’s Last Theorem,” *University of Pittsburgh Mathematics Club*.
2. March 9, 2009 “A Polynomial Analog of Fermat’s Last Theorem”, **Westminster College**.
1. Sept 28, 2006 “A Polynomial Analog of Fermat’s Last Theorem,” *University of Memphis Undergraduate Mathematics Club [The Cantor Sect]*.

CONFERENCES ATTENDED

31. Sept 2015 MAA Mathfest Washington, DC.
30. June 2014 MAA PIC Math Workshop, BYU.
29. Sept 2014 MAA Allegheny Mountain Section Fall Meeting, **Penn State - Erie.**
28. March 26-28 2014 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
27. Apr 4-5, '14 MAA Allegheny Mountain Section Spring Meeting, **Westminster College**
26. Sept 21, '13 MAA Allegheny Mountain Section Fall Meeting, **Slippery Rock University.**
25. Aug 1-3, '13 *Combinatorics in Cambridge 2013*, in honor of Béla Bollobás 70th birthday, **The University of Cambridge, UK**
24. April 6, '13 MAA Allegheny Mountain Section Spring Meeting, **Indiana University of Pennsylvania.**
23. Mar 16-18, '13 EXCILL2: Extremal Combinatorics at Illinois, **University of Illinois, Urbana-Champaign.**
22. Nov 30-Dec 1, 12 *Workshop on Math in the City*, **University of Nebraska-Lincoln.**
21. Oct 27, 2012 *Algebra Gathering*, **Slippery Rock University**, Slippery Rock PA.
20. July 9-13, 2012 *Additive Combinatorics in Paris*, **Henri Poincaré Institute**, Paris, France
19. May 2012 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
18. March 2011 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
17. Mar 19-20, 2010 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
16. May 16-18, 2008 International Conference on Interdisciplinary Mathematical Techniques [IMST 2008 -FIM XVI]; **The University of Memphis**
15. April 25-26, 2008 46th Midwestern Conference on Graph Theory (**MIGHTY XLVI**); West Virginia University, Morgantown, WV
14. Mar 27-28, 2008 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
13. Feb 21-24, 2008 *Chat Yin Ho Memorial Conference on Combinatorics and Groups*, the **University of Florida.**
12. January 6-9, 2008 **AMS/MAA Joint Meetings - 2008**, San Diego, California.
11. Oct 24-27, 2007 *Integers Conference - 2007*, **University of West Georgia**
10. May 4-5, 2007 31st *SIAM-SEAS Meeting*, **University of Memphis** – General Sessions Chair
9. April 21-22, 2007 *Random Combinatorial Structures*, **University of Nebraska-Lincoln**
8. March 23-24, 2007 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
7. March 16-17, 2007 **AMS Spring Central Section Meeting**, Miami University
6. March 24-25, 2006 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
5. Oct 21-23, 2005 **AMS Fall Central Section Meeting**, University of Nebraska-Lincoln
4. Feb 25-26, '05 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
3. March 26-27, 2004 *Paul Erdős Memorial Lecture Series*, **University of Memphis**
2. March 8-12, 2004 35th **Southeastern International Conference on Combinatorics, Graph Theory, and Computing**, Florida Atlantic University
1. March 21-22, 2003 *Paul Erdős Memorial Lecture Series*, **University of Memphis**

SERVICE

UNIVERSITY ◇ I participate in FAST (Faculty Admission Support Team) which means I make my classes available to prospective students and their parents. My courses are regularly visited.
 ◇ I was asked to review a grant proposal during 2011-2012.

DEPARTMENTAL ◇ Calc 2 Liaison I supervise and write exams for *Pitt's College in High School* program (2013-present)
 ◇ Chair Undergraduate Mathematics Seminar 2014-present
 ◇ Advise Students currently advising fourteen (14) of our majors
 ◇ MAA Liaison Department's Liaison to the MAA
 ◇ Calc 2 Course Coordinator Oversee teaching of Pitt's Calc 2. Includes writing and organizing the grading of the departmental final exam. This has been my responsibility three times.
 ◇ Bus Calc Coordinator Oversee teaching of Pitt's Business Calc. Includes writing and organizing the grading of the departmental final exam. (Fall 2013)
 ◇ Chair Classical Number Theory Seminar 2010-2011.

UNDERGRADUATE ◇ Interviewing Seminar multiple offerings - see UGMS report for details
 ◇ Faculty Sponsor Chris Lindeman's personal BA program in CGS
 ◇ Faculty Advisor Pitt Hurling Club (2012-present)
 ◇ Faculty Advisor Pittsburgh Youth Outreach (2012-present)
 ◇ Faculty Advisor Do Something Club (2010-present)

COMMUNITY ◇ BIG Problems one team greatly helped the Pittsburgh charity Global Links. Received very positive press in the Pittsburgh Tribune Review and Pitt Chronicle.
 ◇ College in High School serve local HS teachers
 ◇ Puzzle Play (AY 2012) Visit elementary schools¹ and encourage problem solving through puzzle play.

¹ During 2011-12 I visited four classes at Hosack Elementary and North Allegheny's Marshall Elementary and engaged 75 students with puzzles.

PROFESSIONAL ◇ Reviewer Write reviews for the American Mathematical Society's MathSciNet.
 ◇ MAA Ex Committee I am an active Executive Committee Member of the Allegheny Mountain Section of the Mathematical Association of America.
 ◇ Poster Session, Organizer and Chair 2014 *Paul Erdős Memorial Lecture Series*, University of Memphis. I have volunteered to make this my ongoing responsibility.
 ◇ Poster Session, Organizer and Chair 2012 *Paul Erdős Memorial Lecture Series*, University of Memphis.