Jim L. Brown

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ACADEMIC POSITIONS

2018 - current	**Professor,** Occidental College, Los Angeles, CA.
Spring 2002	**Visiting Professor,** UCLA, Los Angeles, CA.
Winter 2022	**Visiting Professor,** California Institute of Technology, Pasadena, CA.
2018 - 2021	**Chair, Department of Mathematics,** Occidental College, Los Angeles, CA.
2017 - 2018	**Professor,** Clemson University, Clemson, SC.
2012 - 2017	**Associate Professor,** Clemson University, Clemson, SC.
2015-2016	**Gorenstein Distinguished Visiting Associate Professor of Mathematics,** City University of New York - Queens College, Queens, NY.
2008-2012	**Assistant Professor,** Clemson University, Clemson, SC.
2007-2008	**Olga Taussky - John Todd Instructor,** California Institute of Technology, Pasadena, CA.
2005-2007	**VIGRE Arnold Ross Assistant Professor,** The Ohio State University, Columbus, OH.

EDUCATION

1999-2005   **University of Michigan**, Ann Arbor, Michigan.

4. J. Brown, B. Gunsolus , J. Lilly , F. Manganiello, *Hilbert modular forms and codes over* $\mathbb{F}_{p^2}$, Finite Fields and Their Applications, **67**, 2020.

5. J. Brown and K. Klosin, *Congruence primes for automorphic forms on unitary groups and applications to the arithmetic of Ikeda lifts*, Kyoto J. Math., **60**(1), 179-217, 2020.

6. J. Brown, H. Geller , R. Vicente

20. J. Brown, *On the cuspidality of pullbacks of Siegel Eisenstein series and applications to the Bloch-Kato conjecture*, Int. Math. Res. Not., **7**, 1706-1756, 2011.

21. J. Brown, *Special Values of L-functions on* $GSp_4 \quad GL_2$ *and the Non-Vanishing of Selmer Groups*, Int. J. Number Theory, **6**(8), 1901-1926, 2010.

22. J. Brown, *On the congruence primes of Saito-Kurokawa lifts of odd square-free level*, Math.

7. *Number Theory Series in Los Angeles*, National Security Agency, PI, 2019-20, $11,029.

8. *Number Theory Meetings in the Southeast*, National Science Foundation, PI, 2017-18, $22,233.

9. *RTG: Coding Theory, Cryptography, and Number Theory*, National Science Foundation, PI, 2016-18, $2,126,971.

10. *Southeast Number Theory Meetings,* National Science Foundation, Co-PI, 2015-16, $13,615.

11. *Southeast Number Theory Meetings,* National Security Agency, Co-PI, 2015-16, $15,675.

12. *Southeastern conference for undergraduate women in mathematics,* TENSOR Women and Mathematics Grants, MAA, PI, 2014-15, $3,000.

13. *Southeastern conference for undergraduate women in mathematics,* TENSOR Women and Mathematics Grants, MAA, PI, 2013-14, $5,998.

14. *Southeastern number theory meetings,* National Science Foundation, Co-PI, 2013-14, $12,696.

15. *PANTS and SERMON meetings in the Southeast,* National Security Agency, Co-PI, 2013-14, $15,926.

16. *Collaborative Research: Research Experience for Undergraduates: Algebraic geometry, combinatorics, and number theory,* National Science Foundation, PI, 2012-14, $240,789.

17. *Southeastern Number Theory Meetings*, National Science Foundation, Co-PI, 2012-13, $12,012.

18. *Palmetto Number Theory Series/SouthEast Regional Meeting on Numbers*, National Security Agency, PI, 2011-12, $14,483.

19. *Palmetto Number Theory Series/SouthEast Regional Meeting on Numbers*, National Science Foundation, Co-PI, 2011-12, $11,223.

20. *The arithmetic of Siegel modular forms*, Young Investigator Grant, National Security Agency, PI, 2011-13, $30,000.

21. *Palmetto Number Theory Series*, National Science Foundation, Co-PI, 2010-11, $13,423.

22. *Palmetto Number Theory Series*, National Security Agency, PI, 2009-10, $13,507.

23. *Palmetto Number Theory Series*, National Science Foundation, Co-PI, 2009-10, $11,096.

GRADUATE STUDENT ADVISING

Former Students

Huixi Li, *Some conjectures in additive number theory*", 74 pages, (Ph.D. Clemson '18)

{ Initial employment: Three year postdoc at the University of Nevada - Reno

Hugh Geller, *Ramanujan type congruences for the Klingen-Eisenstein series*", 77 pages, (M.S. Clemson '16)

Rodney Keaton, *Level stripping of genus 2 Siegel modular forms,*" 136 pages, (Ph.D. Clemson '14)

{ Initial employment: Three year postdoc at the University of Oklahoma

Dania Zantout, *On the cuspidality of Maass-Gritsenko and mixed level lifts,*" 247 pages, (Ph.D. Clemson '13)

{ Initial employment: Visiting assistant professor at Clemson University

(a) 2015 Creative Inquiry: "Coding theory"

Sam Mixon, Kristen Savary, Ashley Stanziola (co-advised with Felice Manganiello)

(a) 2015 Creative Inquiry: "Cryptography"

Andrew Bell, Patrick Dynes, Debra Parmentola, Brittany Rosener

(a) 2013-14 Creative Inquiry: "Public key cryptography"

Joel Clingempeel

(a) 2011-12 "Siegel modular forms"

(b) 2012-13 Honors Thesis: "Averages of standard L-values of genus 2 Siegel modular forms"

5. Program Director: Clemson REU in Combinatorics, Computational Algebraic Geometry, and Number Theory: Summer 2013

"Degree 14 extensions of $\mathbb{Q}_7$"
  – Robert Cass (University of Kentucky)
  – Salvatore Parenti (University of Michigan)
  – Daniel Shankman (University of Tennessee - Knoxville)

"Eta quotients" (Jointly advised with Kevin James)
  – Allison Arnold-Roksandich (Harvey Mudd College)
  – Kimberly Stubbs (University of North Carolina - Asheville)

6. City University of New York - Queens College

Palak Bhasin

(a) 2015-16 Honors Thesis: "Elliptic curves and applications to cryptography"

7. Program Director: Clemson REU in Combinatorics, Computational Algebraic Geometry, and Number Theory: Summer 2012

"Classifying local fields of characteristic p"
  – Alfeen Hasmani (Molloy College)
  – Lindsey Hiltner (University of North Dakota)
  – Angela Kraft (Bethany Lutheran College)
  – Daniel Scofield (Grove City College)

"Amicable pairs for elliptic curves over number fields" (Jointly advised with Kevin James)
  – David Heras (Radford University)
  – Andrew Qian (University of California at Berkeley)

"Champion primes for elliptic curves" (Jointly advised with Kevin James)

- **{** Brandon Tran (Massachusetts Institute of Technology)
- **{** Minh-Tam Trinh (Princeton University)
- **{** Philip Wertheimer (Johns Hopkins University)

8. Faculty research advisor: Clemson REU in Combinatorics and Computational Number Theory: Summer 2010

   \Average values for L-functions on GL(2)"
   - **{** Nadine Amersi (University College London)
   - **{** Allison Pro er (Virginia Commonwealth University)
   - **{** Larry Rolen (University of Wisconsin-Madison)

9. California Institute of Technology (Summer Undergraduate Research Fellowship)

   Yingkun Li (Caltech)

   (a) Summer 2008 \Distribution of powers of the partition function modulo ^{j}"

EXPOSITORY WRITING

1. J. Brown, Graduate Linear Algebra, (209 pages, 2015)

2. J. Brown and K. Klosin with an appendix by K. Conrad, *On the norm of p-stabilized elliptic newforms*, 18 pages.

3. J. Brown, Introductory Topology, (271 pages, 2010)

4. J. Brown, Local class eld theory, (97 pages, 2008)

5. J. Brown, *Alex, I will take congruent numbers for one million dollars please*, (14 pages, 2007)

6. J. Brown, *Congruent numbers and elliptic curves*, (26 pages, 2007)

7. J. Brown, An introduction to Iwasawa theory, (102 pages, 2006)

8. J. Brown, *Abel and the insolvability of the quintic*, (13 pages, 2005)

9. J. Brown, *Complex theory of abelian varieties*, (16 pages, 2004)

10. J. Brown, *An introduction to algebraic number theory*, (120 pages, 2001)

PLENARY ADDRESSES

1. *Congruence primes for automorphic forms on unitary groups and applications to the arithmetic of Ikeda lifts*, Southern California Number Theory Day, University of California - Irvine (October 12, 2019)

2. *Congruence primes for automorphic forms on unitary groups and applications to the arithmetic of Ikeda lifts*, Galois Representation and Automorphic Forms, Polish Academy of Sciences Conference Center, Bedlewo, Poland (August 18, 2016)

3. *Ikeda lifts, the 3.*

12. *Right triangles and a million dollars,* High Point University, High Point, NC. (October 28, 2014)

13. *Right triangles and a million dollars,* Fordham University, Bronx, NY. (January 29, 2014)

14. *Prime factorization, complex analysis, and arithmetic geometry*, Dartmouth College, Hanover, NH (September 26, 2013)

15. *Prime factorization, complex analysis, and arithmetic geometry*, Fordham University, Bronx, NY. (April 18, 2013)

16. *Rational right triangles and a million dollar problem,* University of San Diego, San Diego, CA. (February 16, 2012)

17. *Rational right triangles and a million dollar problem,* Haverford College, Haverford, PA. (January 30, 2012).

18. *Dirichlet's class number formula and generalizations,* Clemson University, Clemson, SC. (February 21, 2008)

19. *Dirichlet's class number formula and generalizations,* Florida State University, Tallahassee, FL. (January 18, 2008)

20. *Dirichlet's class number formula and generalizations,* Oregon State University, Corvallis, OR. (November 16, 2007)

21. *The congruent number problem and elliptic curves,* Math Co ees, Davidson College, Davidson, NC. (February 5, 2007)

22. *Automorphy, L-functions, and problems in arithmetic,* Bucknell University, Lewisburg, PA. (January 25, 2007)

23. *L-functions and arithmetic,* Arizona State University, Phoenix, AZ. (April 5, 2006)

24. *L-functions and arithmetic,* Armstrong Atlantic State University, Savannah, GA. (February 2, 2005)

25. *L-functions and arithmetic,* Stephen F. Austin University, Nacogdoches, TX. (January 26, 2005)

INVITED CONFERENCE TALKS

2. *Increasing diversity in mathematics*, (Panel Member) Building Bridges: 2nd EU/US Workshop on Automorphic Forms and Related Topics, University of Bristol, Bristol, UK (July 9, 2014)

3. *Congruence Primes for Ikeda Lifts and the Ikeda ideal*, 27th Automorphic Forms Workshop, University College Dublin, Dublin, Ireland (March 11, 2013)

4. *The CAP ideal and applications*, Special Session on Automorphic and Modular Forms, AMS Sectional Meeting: 2012 Spring Western Meeting, Honolulu, HI (March 3-4, 2012)

5. *Eisenstein series on* GU(3; 3) *and non-trivial torsion in Shafarevich-Tate groups,* Special Session on Elliptic Curves, Modular Forms, and Related Topics, AMS Sectional Meeting: 2011 Fall Southeastern Meeting, Winston-Salem, NC (September 24, 2011)

6. *Research with Students: from attracting students to publishing,* (Panel Member) 25th Automorphic Forms Workshop, Oregon State University, Corvallis, OR. (March 24, 2011)

7. *Congruence primes of Saito-Kurokawa lifts,* Special Session on Automorphic forms, L-functions and applications, AMS Sectional Meeting: 2010 Spring Eastern Sectional Meeting, Newark, NJ. (May 22, 2010)

8. *Giving an e ective talk*, (Panel Member), Midwest Number Theory Conference for Graduate Students III, University of Wisconsin, Madison, WI. (November 5, 2005)

INVITED RESEARCH SEMINARS

1. *When is the product of two Siegel eigenforms an eigenform?* Algebra/Number Theory/Combinatorics Seminar at the Claremont Colleges, Claremont, CA. (February 26, 2019)

2. *Congruence primes for automorphic forms on unitary groups and applications to the arithmetic of Ikeda lifts*, Collaborative Number Theory Seminar at the CUNY Graduate Center, NYC, NY. (February 3, 2016)

3. *L-functions, modular forms, and arithmetic*, Dartmouth College, Hanover, NH. (September 26, 2013)

4. *Congruence Primes for Ikeda Lifts and the Ikeda ideal*, Number Theory Seminar, University of North Carolina - Chapel Hill, Chapel Hill, NC. (September 10, 2013)

5. *On the Bloch-Kato conjecture for elliptic modular forms of square-free level*, Collaborative Number Theory Seminar at the CUNY Graduate Center, NYC, NY. (April 19, 2013)

6. *L-functions and arithmetic*, Michigan State University, East Lansing, MI. (November 19, 2012)

7. *L-functions and arithmetic,* Research Seminar, University of San Diego, San Diego, CA. (February 16, 2012)

8. *Congruences of automorphic forms and torsion in the Bloch-Kato conjecture,* Number Theory Seminar, Texas A&M University, College Station, TX. (February 9, 2011)

9. *The Eisenstein ideal and generalizations,* Number Theory Seminar, University of South Carolina, Columbia, SC. (November 11, 2008)

10. *Saito-Kurokawa lifts and lower bounds on Selmer groups,* Number Theory Seminar, UCLA, Los Angeles, CA. (March 10, 2008)

11. *Congruences between automorphic forms and applications to arithmetic,* Algebra Seminar, Florida State University, Tallahassee, FL. (January 17, 2008)

12. *Saito-Kurokawa lifts, L-values for* GL(2)*, and congruences between Siegel modular forms,* Algebra Seminar, Boston University, Boston, MA. (February 7, 2005)

CONTRIBUTED TALKS AND PRESENTATIONS

1. *Basics of Cryptography*, Undergraduate Research Center, Occidental College. (June 22, 2020).

2. *Product identities for Siegel modular forms*, Building Bridges: 4th EU/US Workshop on Automorphic Forms and Related Topics, Alfred Renyi Institute of Mathematics, Budapest, Hungary. (July 18, 2018)

3. *Congruences for paramodular Saito-Kurokawa lifts and applications*, Building Bridges: 4th EU/US Workshop on Automorphic Forms and Related Topics, Alfred Renyi Institute of Mathematics, Budapest, Hungary. (July 16, 2018)

4. *Congruences for paramodular Saito-Kurokawa lifts and applications*, 32nd Automorphic Forms Workshop, Tufts University, Boston, MA, (March 21, 2018)

5. *Congruences for paramodular Saito-Kurokawa lifts and applications*, Southeast Regional Meeting on Numbers, East Tennessee State University, Johnson City, TN (March 10, 2018).

6. *A (somewhat) gentle introduction to Hida theory*, Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC (April 14, 2015).

7. *Southeastern Conference for Undergraduate Women in Mathematics*, Poster presentation Mathematical Outreach Programs, Joint AMS-MAA Mathematics Meetings, San Antonio, TX. (January 11, 2015).

8. *Combing a hairy coconut (or fun facts in topology)*, Math Club Talk, Clemson University, Clemson, SC. (September 12, 2014).

9. *Aliquot cycles for elliptic curves over number elds*, Building Bridges: 2nd EU/US Workshop on Automorphic Forms and Related Topics, University of Bristol, Bristol, UK (July 10, 2014).

10. *The U_p operator and some applications*, Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC (February 19, 2014)

11. *L-functions, modular forms, and arithmetic geometry*, Algebra and Discrete Mathematics Seminar, Clemson University, Clemson, SC (October 17, 2013)

12. *Right triangles and a million dollars*, Math Club Talk, Clemson University, Clemson, SC (September 17, 2013).

13. *Number theory projects from the 2013 Clemson REU*, Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC (August 28, 2013).

14. *What is ... the BSD conjecture?* Algebra and Discrete Mathematics Seminar, Clemson University, Clemson, SC. (November 8, 2012).

15. *What is a .. p-adic L-function?* Number Theory Seminar, Clemson University, Clemson, SC. (September 19, 2012).

16. *The Bloch-Kato conjecture for modular forms of square-free level,* Building Bridges: 1st EU-US conference on automorphic forms and related topics, RWTH Aachen University, Aachen,

25. *Modular forms and partitions*, Algebra, Discrete Mathematics, and Number Theory Seminar, Clemson University, Clemson, SC. (October 3, 2008)

26. *Saito-Kurokawa lifts and lower bounds on Selmer groups*, Number Theory Seminar, Caltech, Pasadena, CA. (April 3, 2008)

27. *Attaching Galois representations to modular forms*, Graduate student number theory seminar, The Ohio State University, Columbus, OH. (April 25, May 2, 2007)

28. *L-functions on GSp(4)   GL(2) and the Bloch-Kato conjecture*, Canadian Number Theory Association IX Meeting, University of British Columbia, Vancouver, BC, Canada. (July 12, 2006)

29. *L-functions on GSp(4)   GL(2) and the Bloch-Kato conjecture*, The 20th Annual Workshop on Automorphic Forms and Related Topics, University of Colorado, Boulder, CO. (March 30, 2006)

30. *Mathematics and internet security,* Mathematics Undergraduate Awards Ceremony, The Ohio State University, Columbus, OH. (May 5, 2006)

31. *The congruent number problem and elliptic curves*, Radical Pi (undergraduate math club) The Ohio State University, Columbus, OH. (February 1, 2006)

32. *Number Theory: A couple of \simple" problems,* Invitation to Research (Incoming graduate students are exposed to current research areas in various topics.) The Ohio State University, Columbus, OH. (January 23,30, 2006)

33. *Abel and the insolvability of the quintic,* VIGRE Reading Classics Working Group, The Ohio State University, Columbus, OH. (November 1, 2005)

34. *Saito-Kurokawa lifts and applications to the Bloch-Kato conjecture,* Number Theory Seminar, The Ohio State University, Columbus, OH. (October 3,10, 2005)

35. *Saito-Kurokawa lifts, L-values for GL_2, and congruences between Siegel modular forms,* The 19th Annual Workshop on Automorphic Forms and Related Topics, University of North Texas, Denton, TX. (March 20, 2005)

36. *Saito-Kurokawa lifts, L-values for GL_2, and congruences between Siegel modular forms,* AMS-MAA Joint Meeting, Atlanta, GA. (January 06, 2005)

37. *Saito-Kurokawa lifts, L-values for GL_2, and congruences between Siegel modular forms,* West Coast Number Theory Conference, UNLV, Las Vegas, NV. (December 18, 2004)

38. *Saito-Kurokawa Lifts and Congruences Among Siegel Modular Forms,* Midwest Number Theory Conference for Graduate Students and Recent PhDs, University of Wisconsin, Madison, WI. (October 25, 2003)

39. *Variation of Hodge Structures: Some Examples,* Arizona Winter School, Southwestern Center for Arithmetic Algebraic Geometry. University of Arizona, Tucson, AZ. (March 18, 2002) This was done as a group projection under the direction of Johan de Jong.

TEACHING

Occidental College:

Introductory 0y College:

Graduate Linear Algebra (F '12, Su '13, Su '14, F '14)

Graduate Abstract Algebra I (F '10)

Graduate Abstract Algebra II (S '11, S '15)

Graduate Number Theory (F '17)

Graduate Introductory Topology (F '09)

Graduate Algebraic Topology (S '10)

Commutative Algebra (Su '10)

Elliptic Curves (F '11)

Further Topics in Elliptic Curves (S '12)

Introduction to Lie Groups and Lie Algebras (F '11)

Riemann surfaces and algebraic curves (S '13)

Algebraic Geometry I (F '13)

Algebraic Geometry II (S '14)

Queens College:

Calculus II (S '16)

Introduction to Algebraic Structures (S '16)

Number Theory (F '15)

Caltech:

Local Class Field Theory (W '08)

Global Class Field Theory (S '08)

The Ohio State University:

Multivariable Calculus (F '05)

Discrete Mathematical Structures II (W '07)

Introductory Number Theory (S '07)

Undergraduate Abstract Algebra I (W '06)

Undergraduate Abstract Algebra II (S '06)

Introduction to Iwasawa Theory (F '06)

The Ross Program: (Seminar Instructor)
A program for gifted middle/high school students to learn basic number theory through exploration. (Su '06, '07)

The University of Michigan:

Calculus I Assistant Course Coordinator with Karen Rhea (W '04, F '04)

Calculus II Assistant Course Coordinator with Bob Megginson (F' 01) and with Al Taylor (F '03)

Data, Functions, and Graphs (F '99)

Calculus II (W '00 - W '02)

Mathematics Help Lab Graduate Student Supervisor (F '00)

Michigan Mentorship Program:

4. *The Engaged Classroom: Getting Students Involved in the Learning Process*, Center for Research on Learning and Teaching, University of Michigan, Ann Arbor, MI. Attended seminar. (Fall 2003)

SERVICE

1. *Member at Large (appointed by president of AMS)*, Committee on the Profession, American Mathematical Society, (2021-2024).

2. *Vice program chair (elected position)*, SoCal-Nevada Section, Mathematical Association of America, (2021-2024).

3. *Member (presidential appointee)*, Advisory Council, Occidental College (2020-2023).

4. *Conference organizer*, Southern California REU Conference, Occidental College (virtual), (August 12, 2020).

5. *Member*, Subcommittee on Finance (SCOF), Occidental College (2019-2020).

6. *Faculty advisor*, Men's basketball, Occidental College (2019-2020).

7. *Founder and organizer*, Number Theory Series in Los Angeles (two meetings thus far)

8. *Conference co-organizer*, Research Training Group Workshop, National Science Foundation, Arlington, VA. (Fall 2018).

9. *Conference co-organizer*, Building Bridges: 4th EU/US Workshop on Automorphic Forms and Related Topics, Alfred Renyi Institute of Mathematics, Budapest, Hungary. (July 2018)

10. *External Expert*, Senior Research Project of Ray Wang at Heathwood Hall High School, Columbia, SC. (Fall 2017-18)

11. *Conference Organizer*, PANTS XXIX, Clemson University, Clemson, SC. (December 2-3, 2017)

12. *Conference co-organizer*, PANTS XXV, Clemson University, Clemson, SC. (December 5-6, 2015)

13. *Co-founder and director*, Program to assign teaching mentors to incoming graduate students, Clemson University, Clemson, SC (Fall 2014 - 2015)

14. *Co-founder*, Graduate teaching assistant training program, Clemson University, Clemson, SC (Fall 2014)

15. *Faculty Advisor*, AMS student chapter at Clemson University, Clemson University, Clemson, SC (2013 - 2018)

16. *Elected Representative*, College of Engineering and Science Representative, Calhoun Honors College Committee, Clemson University, Clemson, SC (Fall 2013 - 2016)

17. *Elected Representative*, College of Engineering and Science Representative, Athletic Advisory Council, Clemson University, Clemson, SC (Fall 2013 - 2016)

18. *Affiliated Faculty* AWM Student Chapter, Clemson University, Clemson, SC (2013-2018)

19. *Volunteer* Clemson FIRST program, Clemson University, Clemson, SC. (2013-2018)

20. *Committee member*, Algebra preliminary examination committee, Clemson University, Clemson, SC. (2011 - 2018).

21. *Department representative*, Graduate student recruitment fair, Joint Mathematics Meetings. (2010 - 2015)

22. *Committee member*, Graduate Affairs, Department of Mathematical Sciences, Clemson University, Clemson, SC (2014 - 2015)

23. *Co-organizer*, Southeastern Regional Meeting on Numbers, Winthrop University, Rock Hill, SC (March 28-29, 2015)

24. *Conference founder and organizer*, Southeastern Conference for Undergraduate Women in Mathematics, Clemson University, Clemson, SC (2013, 2014)

25. *Chair*, Calculus Committee (committee to evaluate effectiveness of calculus instruction at Clemson), Department of Mathematical Sciences, Clemson University, Clemson, SC (2013-14)

26. *Conference organizer*, PANTS XXI, Clemson University, Clemson, SC. (December 7-8, 2013)

27. *Conference organizer*, 4th Annual Southeastern REU Symposium, Clemson University, Clemson, SC (July 9, 2013)

28. *Committee member*, Undergraduate Affairs, Department of Mathematical Sciences, Clemson University, Clemson, SC (Fall 2013)

29. *Judge* Undergraduate Creative Inquiry Posters, Clemson University, Clemson, SC (April 9, 2013)

30. *Judge* MAA Undergraduate Student Poster Session, Joint Mathematics Meetings. (2013-2014) , Clemson Calculus Challange, Clemson University, Clemson, SC. (2012, 2013)

31. *Algebra and Discrete Mathematics subfaculty representative,* Graduate student open house re-

33. *Conference organizer, PANTS XVII, Clemson University (2009,2013)* cruitment, Clemson University, Clemson, SC. (December 3-4, 2011)

32. *Volunteer*

34. *Conference organizer*, PANTS XV, Clemson University, Clemson, SC. (February 19-20, 2011)

35. *Referee*, Comp. Math., IJNT, J. of Comm. Alg., JNT, Math. Res. Lett., Rocky Mount. Math., Glasgow Math., etc.

36. *Algebra and Discrete Mathematics Subfaculty Coordinator*, Clemson University, Clemson, SC. (2010 - 2015)

37. *Research Mentor*, Clemson REU in Combinatorics and Computational Number Theory, Clemson University, Clemson, SC. (Summer 2010)

38. *Member*, Clemson Calculus Textbook Committee, Clemson University, Clemson, SC. (Spring 2010)

39. *Conference organizer*, PANTS XII, Clemson University, Clemson, SC. (February 20-21, 2010)

40. *Conference co-organizer*, PANTS X, Armstrong Atlantic State University, Savannah, GA. (September 19-20, 2009)

41. *Conference organizer*, PANTS IX, Clemson University, Clemson, SC. (February 7-8, 2009)

42. *Member*, Clemson Research Committee, Clemson University, Clemson, SC. (Fall 2008 - Fall 2010)

43. *Reviewer*, Mathematical Reviews, 22 reviews, (Fall 2007 - present)

44. *Conference co-organizer*, PANTS IV, Clemson University, Clemson, SC. (February 7-8, 2009)

45. *Seminar Organizer*, Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC. (2008 - 2015)

46. *Conference co-organizer*

51. *King-Chavez-Parks Program Host*, Gave talk to area high school students entitled \Clocks, Doughnuts, Paper-twisting, and Snow akes and How They Relate to Modern Mathematics," O ce of Academic Multicultural Initiatives, University of Michigan, Ann Arbor, MI. (November 13, 2003)

52. *Seminar Organizer*, Student Number Theory Seminar, University of Michigan, Ann Arbor, MI. (2000-2001, 2002-2003)