

# KEN ONO

<b>ADDRESS</b>	Dept. of Mathematics and Computer Science Emory University Atlanta, Georgia 30322	<b>EMAIL</b>	ono@mathcs.emory.edu
		<b>CITIZENSHIP</b>	United States

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**EDUCATION**

- UCLA, Ph.D. Mathematics, 1993.
- UCLA, M.A. Mathematics, 1992.
- University of Chicago, B. A. (Honors) Mathematics, 1989.

**RESEARCH**

- Algebra, Arithmetic Geometry, Combinatorics, Number Theory.

**EMPLOYMENT**

- Emory University, Asa Griggs Candler Professor of Mathematics, 2010-present.
- UW Madison, Hilldale Professor of Mathematics, 2008-present.
- UW Madison, Manasse Professor of Letters and Science, 2003-present.
- UW Madison, Associate Professor 1999-2001, Professor 2001-2003.
- Penn State University, Martarano Professor of Mathematics, 1999-2000.
- Penn State University, Assistant Professor, 1997-1999.
- Institute for Advanced Study, Member, 1995-1997.
- University of Illinois (Urbana-Champaign), Assistant Professor, 1994-1995.
- University of Georgia, Visiting Assistant Professor, 1993-1994.

**SELECTED HONORS**  
(last ten years)

- Candler Endowed Professorship, Emory University, 2010.
- Honored Instructor Award, UW Madison, Division of Housing, 2009.
- Hilldale Endowed Professorship, UW Madison, 2008.
- Favorite Instructor Award, UW Madison Residence Halls, 2007.
- NSF Director's Distinguished Teaching Scholar Award, 2005.
- Manasse Endowed Professorship, UW Madison, 2003.
- Guggenheim Fellowship, 2003.
- H. I. Romnes Fellowship, 2002.
- PECASE Award from President Clinton, 2000.
- David and Lucile Packard Fellowship.
- Louis J. Martarano Endowed Professorship, Penn State, 1999.
- Alfred P. Sloan Foundation Research Fellowship, 1999.
- NSF CAREER Award, 1999.

**EDITORIAL**

- Journal of Combinatorics and Number Theory, Editor.
- International Journal of Modern Mathematics, Editor.
- Involve, Editor.
- Bulletin of the American Mathematical Society, Book Review Editor.
- Communications in Number Theory and Physics, Editor.
- Journal of Analytic Combinatorics, Editor.
- Proceedings of the American Mathematical Society, Managing Editor.
- International Journal of Number Theory, Editor.
- Integers, Editor.
- Ramanujan Journal, Editor.
- International Mathematical Forum, Editor.

**SELECTED  
PROFESSIONAL  
SERVICE**

- SASTRA Ramanujan Prize Committee, 2010-2011.
- U.S. National Committee for Mathematics, 2010-present.
- AMS Committee on Committees, 2009-2010.
- AMS Mathematics Research Communities Advisory Board, 2009-present.
- Banff International Research Station, Scientific Advisory Board, 2009-present.
- College of Letters and Science Academic Affairs Committee, UW Madison, 2007-2010.
- Pohang Mathematical Institute, Advisory Board, 2007-present.
- Institute for Mathematics and Education, Advisory Board, 2007-present.
- AMS Committee on Publications, (Chair 2007-2009), 2006-2009.
- Davidson Institute for Talent Development, Advisory Board, 2007-present.
- Council of the AMS, Member, 2006-present.
- Smithsonian Institution, Science and Technology Advisory Board, 2005-2007.
- College of Letters and Science Curriculum Committee, UW Madison, 2001-2004.
- Member of dozens of Departmental Committees.
- Organizer and Co-Organizer of numerous conferences.

**SELECTED  
INVITED  
LECTURES**

- Deutsche Mathematiker-Vereinigung Invited Address, 2011 national meeting.
- Distinguished Lecture Series, UCLA, 2010.
- C. S. Subramaniam Centenary Lecture, Madras Institute for Science, 2009.
- Oliver Atkin Memorial Lecture Series, University of Illinois (Chicago), 2009.
- George Kempf Lecture Series, Johns Hopkins, 2009.
- American Mathematical Society Invited Address, 2009 national meeting.
- Harvard-MIT Current Developments in Mathematics Lecture Series, 2008.
- Prosser Lecture Series, Dartmouth College, 2008.
- Gentry Lecture Series, Wake Forest University, 2008.
- Maxson Lecture Series, Texas A&M University, 2008.
- Distinguished Visitor Lecture Series, University of Iowa, 2006.
- Winifred Asprey Lecturer, Vassar College, 2006.
- Milton Brockett Porter Lectures, Rice University, 2003.
- NSF/CBMS Conference Lecturer, 2003.
- U. Utah, Prospects in Mathematics Lecture Series, 2000.

**SELECTED  
PUBLICATIONS  
(130+ papers)**

1. K. Ono and K. Soundararajan, *Inventiones Mathematicae* **130** (1997), 415-454.
2. K. Ono and C. Skinner, *Annals of Mathematics* **147** (1998), 453-470.
3. K. Ono and C. Skinner, *Inventiones Mathematicae* **134** (1998), 651-660.
4. W. Kohlen and K. Ono, *Inventiones Mathematicae* **135** (1999), 387-398.
5. K. Ono, *Annals of Mathematics* **151** (2000), 293-307.
6. K. Ono, The web of modularity: Arithmetic of the coefficients of modular forms and  $q$ -series, NSF/CBMS Conference Series **102** (2004), Amer. Math. Soc., Providence.
7. K. Bringmann and K. Ono, *Inventiones Mathematicae* **165** (2006), 243-266.
8. K. Bringmann, K. Ono, and R. Rhoades, *J. American Math. Soc.* **21** (2008), 1085-1104.
9. K. Bringmann and K. Ono, Dyson's ranks, *Annals of Mathematics*, **171** (2010), 419-449.
10. J. Bruinier and K. Ono,  $L$ -functions and Maass forms, *Annals of Mathematics*, in press.

**RESEARCH  
GRANTS**  
(non-conference)

- NSF Standard Grant, (\$285,000), 2010-2013.
- NSF RTG Grant (\$1.3 million), 2009-2014.
- NSF REU Grant (\$237,709), 2009-2011.
- NSF Standard Grant (\$225,999), 2007-2010.
- NSF DTS Grant (\$305,000), 2005-2010.
- NSF FRG Grant (\$333,000), 2004-2007.
- NSF VIGRE Grant (\$2.5 million), 2004-2009.
- NSF REU Grant (\$71,991), 2003.
- Guggenheim Fellowship (\$75,000), 2003.
- Romnes Fellowship (\$50,000), 2002.
- Number Theory Foundation (\$51,000), 2000-2003.
- PECASE (\$500,000), 2000-2005.
- David and Lucile Packard Fellowship (\$625,000), 1999-2005.
- Sloan Fellowship (\$35,000), 1999-2001.
- NSF CAREER (\$200,000), 1998-2004.
- NSA Young Investigator (\$38,500), 1997-1999.
- NSF Postdoctoral Fellowship (\$75,000), 1995-1999.

**SELECTED  
OUTREACH**

- AMS “*Who wants to be a mathematician*” High School Talent Search, Keynote scientist promoting science to high school students nationwide (Arizona, California, Florida, Hawaii, Iowa, Montana, Puerto Rico, South Carolina, Wisconsin, Wyoming), 2004-present.
- NSF Research Experiences for Undergraduates, Annual summer programs since 2003.
- NEC “*Extreme Science*”, Keynote scientist selected by NEC to promote science nationwide (Maryland, Montana, Wisconsin, National Press Club), 2003.
- NSF 50 “*Where discoveries begin*”, Keynote scientist selected by NSF to promote science to K-12 students nationwide (Michigan, Montana, Pennsylvania, Wisconsin), 2000-2001.
- NSF 50 “*Back to School Campaign*”, Keynote scientist selected by NSF to promote science at the NSF’s 50th Birthday Celebration.
- Judge of numerous science fairs annually.

**ADVISING**

- 17 Ph.D. theses. Students have assumed postdoctoral positions at institutions such as: MIT, Princeton (2), Stanford (2), Institute for Advanced Study, UCLA, U. Illinois, Urbana (3), Max Planck, and Ohio State. These students have won multiple NSF postdocs, and the 2006 PNAS “Paper of the Year Award”.
- 12 Postdocs. Postdocs have assumed permanent faculty positions at institutions such as: University of Illinois (Urbana), U. Pennsylvania, University of Minnesota (Twin Cities), Rutgers (New Brunswick), Texas A&M (2), U. Paris (Jussieu), U. Cologne (2), and Ohio State. These postdocs have won prestigious awards such as: NSF CAREER Award, Krupp \$1 million Euro Prize, Heisenberg Fellowship, Sloan Fellowship, Chateaubriand Fellowship, and the SASTRA Ramanujan Prize.
- Dozens of undergraduates. Students have won 2 Morgan Prizes, 2 Alice T. Schafer Prizes, numerous NSF Graduate Fellowships, 6 Goldwater Scholarships, 6 Churchill Fellowships.
- Dozens of high school students. Students have won numerous national prizes since 1993 such as: International Science and Engineering Fair (7 top 3 awards), Westinghouse Talent Search (3rd in 1997), Intel Science Talent Search (2nd in 2000, 4th in 2005).