

Moreover, he has recorded videos of real analysis lectures that have become very popular online. Other avenues through which Su popularizes mathematics are his award-winning expository writing and extensive public speaking.

Su is the Benediktsson-Karwa Professor of Mathematics at Harvey Mudd College. He received his B.S. in mathematics from the University of Texas at Austin and his Ph.D. from Harvard University. His research is in geometric combinatorics and applications to the social sciences, and he has coauthored numerous papers with undergraduates. He also has a passion for teaching and popularizing mathematics. From the MAA he received the 2001 Merten M. Hasse Prize for expository writing and the 2004 Henry L. Alder Award for distinguished teaching. He authors the popular “Math Fun Facts” website and iPhone app. His hobbies include songwriting, gardening, and photography, and he is active in multiple ministries of his church. Just like

mathematics, these are modes of creative expression that divinely blend structure and freedom, truth and beauty, reflection and action.

Certificates for Meritorious Service

Each year the MAA presents Certificates of Meritorious Service for service at the national level or for service to a section of the MAA. Those honored in 2013 are: JON L. JOHNSON (Elmhurst College), Illinois Section; DAN CURTIN (Northern Kentucky University), Kentucky Section; YUNGCHEN CHENG (Missouri State University), Missouri Section; JEAN BEE CHAN (Sonoma State University) and PETER STANEK (President, Global Alliance for Preserving the History of World War II in Asia), Golden Section; ROBERT ROGERS (State University of New York, Fredonia), Seaway Section; JONATHAN KANE (University of Wisconsin-Whitewater), Wisconsin Section.

—MAA announcement

AWM Awards Given in San Diego

The Association for Women in Mathematics (AWM) presented several awards at the Joint Mathematics Meetings in San Diego, California, in January 2013.

Schafer Prize

The Alice T. Schafer Prize for Excellence in Mathematics by an Undergraduate Woman was established in 1990. The prize is named in honor of Alice T. Schafer, one of the founders of AWM and one of its past presidents. Schafer passed away in September of 2009.

The 2013 Schafer Prize was presented to MURPHY KATE MONTEE of the University of Notre Dame. She is a senior mathematics major and a member of the Notre Dame Seminar for Undergraduate Mathematics Research Program. Montee has consistently excelled in mathematics classes at both the undergraduate and graduate levels and has received numerous merit scholarships rewarding her extraordinary ability and promise. She has participated in multiple undergraduate research projects at Notre Dame and in two summer NSF-REU programs. Her time at the Louisiana State University REU led to a coauthored paper on the recursive behavior of ribbon graph polynomials. The following summer Montee attended the SMALL program at Williams College, where she produced two papers. The first was a single-authored paper “with lots of clever geometric arguments,”

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predicted to appear in a strong mathematics research journal. The second, “Knot projections with a single multi-crossing”, is hailed by her advisor as “perhaps the best work I have ever done with students,” containing results that will have a significant influence on future knot theory research.

Montee’s mentors uniformly praise her motivation and “infectious” enthusiasm for the subject, calling her “one of the most mathematically mature students I have ever known” and “exceptionally gifted”. Those who have worked with her expect that she will have many more “impressive results” and an “amazing career” ahead of her, in part because of her uncanny ability to get right at the heart of a problem.

Louise Hay Award

Established in 1991, the Louise Hay Award for Contributions to Mathematics Education recognizes outstanding achievements in any area of mathematics education. Louise Hay was widely recognized for her contributions to mathematical logic and her devotion to students.

The 2013 award was presented to AMY COHEN of Rutgers University in recognition of her contributions to mathematics education throughout an outstanding forty-year career at Rutgers. Like Louise Hay, her career is remarkable for her achievements as a teacher, scholar, administrator, and human being. An elected fellow of the American

Association for the Advancement of Science, Cohen has won many awards, including the MAA's Distinguished Service Award and a teaching award from her MAA Section.

She is principal investigator for the New Jersey Partnership for Excellence in Middle School Mathematics, an NSF-funded Math and Science Partnership Program. As part of that grant, she led the development of a geometry course for teachers. Earlier curriculum work included new mathematics courses for elementary and high school teachers, the revision of her department's precalculus program, and a course, Introductory Algebra for Returning Adults. She has served as dean of Rutgers' University College, as coprincipal investigator for her department's VIGRE grant, and as a liaison to the School of Education, serving on many education committees.

Cohen has made important contributions to mathematics education through her writing, the many talks she has given, and her service to professional organizations. For the MAA she has been a Project NExT consultant, member of the Committee on the Undergraduate Program in Mathematics, and chair of the committee to select the Leitzel Lecturer. For the AMS she was a member of the Committee on Research in Undergraduate Mathematics Education. She is on the MSRI Education Advisory Committee and was on the organizing committee for two Critical Issues in Mathematics Education workshops. For the American Institute of Mathematics she was a coprincipal investigator and organizer for two workshops on Finding and Keeping Graduate Students in the Mathematical Sciences. For AWM Cohen has served as treasurer, member of the Education Committee, and as an AWM mentor.

M. Gweneth Humphreys Award for Mentorship of Undergraduate Women in Mathematics

This award is named for M. Gweneth Humphreys (1911–2006). Humphreys graduated with honors in mathematics from the University of British Columbia in 1932, earning the prestigious Governor General's Gold Medal at graduation. After receiving her master's degree from Smith College in 1933, Humphreys earned her Ph.D. at age twenty-three from the University of Chicago in 1935. She taught mathematics to women for her entire career. This award, funded by contributions from her former students and colleagues at Randolph-Macon Woman's College, recognizes her commitment to and her profound influence on undergraduate students of mathematics.

The 2013 award was presented to JAMES MORROW of the University of Washington. The letters of nomination describe him as a superb teacher. Annually, he teaches the year-long Honors Advanced Calculus at UW, in which he teaches

students how to approach and enjoy problem solving. He challenges the students with tough problems but also provides motivation and enormous support to get them to discover the solutions. He has an outstanding record of motivating women students to pursue advanced degrees and research careers in the mathematical sciences. He accomplishes this by encouraging his students, by fostering their confidence, and by understanding and anticipating their needs as they follow their interests.

A midcareer shift in Morrow's research program from complex geometry to discrete inverse problems fortuitously extended his already well-established influence on undergraduate women (and men), primarily through the NSF-funded Research Experiences for Undergraduates (REU) he cofounded in 1988 at UW. Often described by the NSF as a model program, it has attracted a stellar group of students in its twenty-four years of existence. Included in this group are nearly thirty women who have gone on to do graduate work in the mathematical sciences, often at top-tier universities.

In support of his nomination, several women expressed sentiments conveyed in these excerpts:

"I am very grateful to Jim Morrow for the course my life has taken over the past several years. He saw potential in my application to his REU way back when I was a junior in college and I had not taken many advanced classes.... Like too many other mathematically talented women, I didn't really think about graduate school as a possibility; no one had suggested it to me.... Thanks to Jim, I did consider it, and now I am a successful student at a very good graduate school."

"I'm pretty sure that if it weren't for Jim, I never would have become a mathematician."

"Jim was the most influential professor in my undergraduate career.... His devotion to his students is unparalleled."

AWM Service Award

Ten women were presented with the inaugural AWM Service Award, which recognizes individuals for helping to promote and support women in mathematics through exceptional voluntary service to the Association for Women in Mathematics. The recipients are MARGARET BAYER, University of Kansas; HOLLY GAFF, Old Dominion University; REBECCA GOLDIN, George Mason University; REBECCA HERB, University of Maryland, College Park; VICTORIA HOWLE, Texas Tech University; PAO-SHENG HSU, independent consultant and researcher; KRZYSZYNA KUPERBERG, Auburn University; RACHEL KUSKE, University of British Columbia; SHARI MOSKOW, Drexel University; and ERICA VOOLICH, Somerville Mathematics Fund.

—AWM announcement