Mathematics People

Green Awarded 2007 SASTRA Ramanujan Prize

BEN GREEN of Cambridge University has been awarded the 2007 SASTRA Ramanujan Prize. This annual prize, which was launched in 2005, is given for outstanding contributions to areas of mathematics influenced by the Indian genius Srinivasa Ramanujan. The age limit has been set at 32 because Ramanujan achieved so much in his brief life of 32 years. The US$10,000 prize will be awarded at the International Conference on Number Theory, Mathematical Physics, and Special Functions, to be held December 20–22, 2007, at SASTRA University in Kumbakonam, India, Ramanujan's hometown.

The 2007 SASTRA Prize Citation reads as follows: "Ben Green is awarded the 2007 SASTRA Ramanujan Prize for his phenomenal contributions to number theory, by himself and in collaboration with Terence Tao, that have changed the face of combinatorial additive number theory. The prize recognizes the far-reaching impact of the ingenious new methods developed by him, and in collaboration with Terence Tao, that involve an interplay of combinatorial ideas, number theoretic methods, and analytic techniques, which significantly extend the powerful higher uniformity method of Tim Gowers and the classic Circle Method of Hardy-Littlewood-Ramanujan. The prize recognizes his many outstanding results, including his resolution of the Cameron-Erdős conjecture, his proof of a version of Roth's theorem for the primes in his 2005 *Annals of Mathematics* paper, which ultimately led to his revolutionary joint work with Terence Tao that confirms arbitrarily long arithmetic progressions among the primes and settled a celebrated long-standing conjecture."

Ben Green was born in Bristol, England, in 1977. He received his B.A. in 1998 and his Ph.D. in 2002, both from Cambridge University. He was awarded the Smith Prize in 2001 while a doctoral student under Tim Gowers. He has held postdoctoral positions at the Alfred Renyi Institute in Budapest (2003–2004) and the Pacific Institute of Mathematical Sciences in Vancouver (2005–2006). He joined the University of Bristol in 2005 and was appointed Hershel Smith Professor at Cambridge in 2006. He received a Clay Mathematics Fellowship in 2005 and delivered an invited lecture at the International Congress of Mathematicians in Madrid in 2006. He is a Fellow of Trinity College, Cambridge.

The 2007 SASTRA Ramanujan Prize Committee consisted of Krishnaswami Alladi (chair), George Andrews, Manjul Bhargava, James Lepowsky, Tom Koornwinder, Kannan Soundararajan, and Michel Waldschmidt. Previous winners of the SASTRA Ramanujan Prize are: Manjul Bhargava and Kannan Soundararajan (2005) and Terence Tao (2006).

—From a SASTRA Ramanujan Prize announcement

NSF Visualization Challenge

Möbius Transformations Revealed, a video by DOUGLAS ARNOLD, director of the Institute for Mathematics and its Applications at the University of Minnesota, and JONATHAN ROGNESS, also of the University of Minnesota, has been awarded an honorable mention in the 2007 Science and Engineering Visualization Challenge, sponsored by the magazine *Science* and the National Science Foundation (NSF). The video depicts the beauty of Möbius transformations and shows how moving to a higher dimension reveals their essential unity, showing transformations in the plane and then relating them to movements of a sphere. The video was first released on YouTube in June 2007 and has been watched by more than 50,000 people. The winning entries in the challenge appear in the September 28 issue of *Science* and online; see `http://www.ima.umn.edu/~arnold/moebius/`.

—AMS Public Awareness Office

NSF Postdoctoral Fellowships Awarded

The Mathematical Sciences Postdoctoral Research Fellowship program of the Division of Mathematical Sciences (DMS) of the National Science Foundation (NSF) awards fellowships each year for postdoctoral research in pure mathematics, applied mathematics and operations research, and statistics. Following are the names of the fellowship recipients for 2007, together with their Ph.D. institutions (in parentheses) and the institutions at which they will use their fellowships.

SAMI H. ASSAF (University of California, Berkeley), University of Pennsylvania; DMITRIY S. BOYARCHENKO (University of Chicago), University of Chicago; PATRICK C. CLARKE (University of Miami), University of Pennsylvania; CALDER DAENZER (University of Pennsylvania), University of California, Berkeley; JASON DEBLOIS (University of Texas), University of Illinois, Chicago; AMANDA L. FOLSOM (University of California, Los Angeles), University of Wisconsin, Madison; JAYCE R. GETZ (University of Wisconsin, Madison), Princeton University; THOMAS C. HANGELBROEK (University of Wisconsin, Madison), Texas A&M University; BENJAMIN J. HOWARD (University of Maryland), University of Michigan; RIZWANUR R. KHAN (University of Michigan), University of California, Los Angeles; KAY L. KIRKPATRICK (University of California, Berkeley), Massachusetts Institute of Technology; TROY J. LEE (University of Amsterdam), Rutgers University; YI-KAI LIU (University of California, San Diego), California Institute of Technology; JASON D. LOTAY (Oxford University), Duke University; LARSON E. LOUDER (University of Utah), Rutgers University; CHENG LY (New York University), University of Pittsburgh; DANIELLE J. LYLES (Cornell University), University of California, Davis; JEREMY L. MARZUOLA (University of California, Berkeley), Columbia University; DAVID B. MCREYNOLDS (University of Texas), University of Chicago; JEFFREY A. MERMIN (Cornell University), University of Kansas; GREGG J. MUSIKER (University of California, San Diego), Massachusetts Institute of Technology; ALVARO PELAYO (University of Michigan), Massachusetts Institute of Technology; KATHLEEN A. PONTO (University of Chicago), University of Notre Dame; KARL E. SCHWEDE (University of Washington), University of Michigan; JAKE P. SOLOMON (Massachusetts Institute of Technology), Princeton University; JEFFREY D. STREETS (Duke University), Princeton University; VINCENT R. VATTER (Rutgers University), Massachusetts Institute of Technology; BENJAMIN T. WEBSTER (University of California, Berkeley), Massachusetts Institute of Technology; PAUL A. WRIGHT (New York University), University of Maryland.

—NSF announcement