Mathematics People

Bourgade and Corwin Awarded Davidson Prize

PAUL BOURGADE of the Institute for Advanced Study and the University of Cambridge and IVAN CORWIN of Columbia University and the Massachusetts Institute of Technology have been awarded the 2014 Rollo Davidson Prize. Bourgade was honored for "remarkable new results in random matrix theory and related topics," and Corwin was selected for "outstanding achievements in the area of stochastic growth processes and their relation to integrable systems." The Rollo Davidson Trust was founded in 1975 and awards the annual prize to young mathematicians working in the field of probability.

—From a Rollo Davidson Trust announcement

Strogatz Receives AAAS Award

STEVEN STROGATZ of Cornell University has been chosen as the recipient of the 2013 Public Engagement with Science Award of the American Association for the Advancement of Science (AAAS). He was recognized for "his exceptional commitment to and passion for conveying the beauty and importance of mathematics to the general public." According to the prize citation, Strogatz "has contributed widely to the popularization and public understanding of mathematics through his newspaper articles, books, radio and television appearances, documentaries and public lectures." He was awarded the 2014 Euler Book Prize of the Mathematical Association of America (MAA) for his latest book, *The Joy of x.*

—From an AAAS announcement

Landman Awarded 2014 ANZIAM Medal

KERRY LANDMAN of the University of Melbourne has been awarded the ANZIAM (Australia and New Zealand Industrial and Applied Mathematics) Medal for 2014 for her "fundamental and significant contributions to the understanding of physical and biological processes across a remarkably broad spectrum of applications." According to the prize citation, "she has successfully exploited a wide variety of mathematical techniques, and has pioneered their use in numerous disparate applications." She has worked in the areas of mathematical modeling of biological cell invasion, mathematical study of patterns on growing domains, discrete cellular automata models, and industrial applications of mathematics.

The ANZIAM medal is awarded on the basis of research achievements, of activities enhancing applied or industrial mathematics or both, and of contributions to ANZIAM.

—From an ANZIAM announcement

Bobkov Receives Humboldt Award

SERGEY BOBKOV of the University of Bielefeld, Germany, has been awarded a Humboldt Research Award. This award is conferred in recognition of lifetime achievements in research. Award winners are invited to carry out research projects of their own choice for up to one year in cooperation with specialist colleagues in Germany. The amount of the award is 60,000 euros (approximately US$82,400).

—From a Humboldt Foundation announcement

de Vries Receives CMS Teaching Award

GERDA DE VRIES of the University of Alberta has been named the recipient of the 2014 Excellence in Teaching Award of the Canadian Mathematical Society (CMS). The award recognizes sustained and distinguished contributions in mathematics teaching at the undergraduate level at a Canadian postsecondary education institution.

From a CMS announcement

Sloan Research Fellowships Awarded

The Alfred P. Sloan Foundation has announced the names of the recipients of the 2014 Sloan Research Fellowships. Each year the foundation awards fellowships in the fields of mathematics, chemistry, computational and evolutionary molecular biology, computer science, economics, neuroscience, physics, and ocean sciences. Grants of US$50,000 for a two-year period are administered by each fellow's institution. Once chosen, fellows are free to pursue whatever lines of inquiry most interest them, and they are permitted to employ fellowship funds in a wide variety of ways to further their research aims.

Following are the names and institutions of the 2014 awardees in mathematics: NIR AVNI, Northwestern

University; NAYANTARA BHATNAGAR, University of Delaware; MAKSYM FEDORCHUK, Boston College; JONATHAN HAUENSTEIN, North Carolina State University; KAI-WEN LAN, University of Minnesota; LIONEL LEVINE, Cornell University; IVAN LOSEU, Northeastern University; MARYANTHE MALLIARIS, University of Chicago; AMIR MOHAMMADI, University of Texas, Austin; AARON NABER, Northwestern University; DEANNA NEEDELL, Claremont McKenna College; MICHAEL J. NEILAN, University of Pittsburgh; BENOIT PAUSADER, Princeton University; CHARLES SMART, Massachusetts Institute of Technology; JARED SPECK, Massachusetts Institute of Technology; SAMUEL STECHMANN, University of Wisconsin, Madison; SONG SUN, Stony Brook University; BENJAMIN WEBSTER, University of Virginia; JARED WEINSTEIN, Boston University; and JUN YIN, University of Wisconsin, Madison.

—From a Sloan Foundation announcement

Clay Research Fellows

The Clay Mathematics Institute is pleased to announce that JUNE HUH, MIGUEL WALSH, and ALEX WRIGHT have been appointed Clay Research Fellows.

June Huh will receive his Ph.D. in 2014 from the University of Michigan under the supervision of Mircea Mustață. He applies algebraic geometry and singularity theory to problems in combinatorics and other areas. His recent interests include singularities of projective hypersurfaces, positivity of Chern classes of Schubert varieties, and connections between realizability problems in algebraic geometry and combinatorial geometry. June has been appointed as a Clay Research Fellow for a term of five years beginning July 1, 2014.

Miguel Walsh was born in Buenos Aires, Argentina. He received his "Licenciatura" degree in 2010 from Universidad de Buenos Aires and his Ph.D. from the same institution in 2012, under the supervision of Román Sasyk. During this period he held a CONICET doctoral fellowship. He is currently based at the University of Oxford. His research so far has focused on inverse problems in arithmetic combinatorics, the limiting behavior of ergodic averages and the estimation of rational points on curves. Miguel has been appointed as a Clay Research Fellow for a term of four years beginning July 1, 2014.

Alex Wright will receive his Ph.D. in 2014 from the University of Chicago under the supervision of Alex Eskin. His recent work concerns dynamics on moduli spaces and special families of algebraic curves that arise in this context. His interests include dynamics, geometry, and especially ergodic theory on homogenous spaces and Teichmüller theory. Alex received his B.Math. from the University of Waterloo in 2008. Alex has been appointed as a Clay Research Fellow for a term of five years beginning July 1, 2014.

For more information, visit `www.claymath.org`.

—From a Clay Mathematics Institute announcement

National Academy of Engineering Elections

The National Academy of Engineering (NAE) has elected sixty-seven new members and eleven foreign associates. Following are the new members whose work involves the mathematical sciences.

JAN P. ALLEBACH, Purdue University, "for development of algorithms for digital image half-toning for imaging and printing"; DANIEL E. ATKINS III, University of Michigan, Ann Arbor, "for leadership in development of radix algorithms and cybertechnical collaborative systems"; JAMES K. BAKER, Dragon Systems, Maitland, Florida, "for introducing hidden Markov models to speech processing and applications to commercial speech-recognition systems"; HARRISON H. BARRETT, University of Arizona, Tucson, "for contributions to the physical and statistical foundations and applications of radiological and nuclear medical imaging"; PAUL F. BOULOS, Innovyze, Broomfield, Colorado, "for contributions to theory and practice of computational hydraulics simulation technology for water infrastructure"; TONY F. CHAN, Hong Kong University of Science and Technology, "for numerical techniques applied to image processing and scientific computing, and for providing engineering leadership at the national and international levels"; BRENDA L. DIETRICH, Business Analytics Software, IBM, "for contributions to engineering algorithms, frameworks, and tools to solve complex business problems"; THOMAS F. EDGAR, University of Texas, Austin, "for contributions to mathematical modeling, optimization, and automatic control of chemical and microelectronics processes, and for professional leadership"; GREGORY L. FENVES, University of Texas, Austin, "for contributions to computational modeling, creation of open source software for earthquake engineering analysis, and academic leadership"; J. KARL HEDRICK, University of California, Berkeley, "for analysis and control methods for nonlinear systems with application to practical problems"; MICHAEL LUBY, Qualcomm Inc., Berkeley, California, "for contributions to coding theory, including the inception of rateless codes"; JAMES J. RILEY, University of Washington, Seattle, "for contributions in analysis, modeling, and computations of transitioning and turbulent phenomena"; ROBERT E. SCHAPIRE, Princeton University, "for contributions to machine learning through invention and development of boosting algorithms"; and JERY R. STEDINGER, Cornell University, "for statistical methods for flood risk assessment and optimization methods for hydropower system management". Elected as foreign members were DAVID HAREL, Weizmann Institute of Science, Rehovot, Israel, "for invention of statecharts and contributions to the logic of programming" and KURT MEHLHORN, Max-Planck Institute for Informatics, Saarbruecken, Germany, "for contributions to algorithm design and the development of the LEDA software library".

—From an NAE announcement