
Mathematics People

De la Peña Receives Third World Academy of Sciences Award

The Third World Academy of Sciences (TWAS) has presented its 2002 Award in Mathematics to JOSÉ A. DE LA PEÑA of Universidad Autónoma de Mexico for fundamental contributions to the understanding of the structure of tame algebras and their module categories, particularly in the use of quadratic forms and geometric structure of module varieties.

The TWAS annually awards five prizes of \$10,000 each to scientists from developing countries who have made outstanding contributions to the advancement of basic sciences: biology, chemistry, mathematics, physics, and basic medical sciences.

—TWAS announcement

Araki, Lieb, and Schramm Awarded Poincaré Prizes

The International Association of Mathematical Physics (IAMP) has announced the awarding of the 2003 Henri Poincaré Prizes for mathematical physics to HUZHIRO ARAKI, Kyoto University; ELLIOTT H. LIEB, Princeton University; and ODED SCHRAMM, Microsoft Research.

Araki was honored for lifetime contributions to the foundations of quantum field theory, quantum statistical mechanics, and the theory of operator algebras. Lieb was cited for lifetime achievement in quantum mechanics, statistical mechanics, and analysis. Schramm was honored for contributions to discrete conformal geometry and for the discovery of the stochastic Loewner process as a candidate

for scaling limits in two-dimensional statistical mechanics.

The Poincaré Prize, which is sponsored by the Daniel Jagołnitzer Foundation, recognizes outstanding contributions that set the foundation for novel developments in mathematical physics. In 2003 the prizes were awarded at the International Congress on Mathematical Physics in Lisbon. The prize includes a cash award of 5,000 euros (about US\$5,600).

—From an IAMP announcement

Bell and Colella Receive SIAM/ACM Prize

The winners of the 2003 award of the SIAM/ACM Prize in Computational Science and Engineering are JOHN B. BELL and PHILLIP COLELLA, both of Lawrence Berkeley National Laboratory. The prize was established in 2002 by the Society for Industrial and Applied Mathematics (SIAM) and the Association for Computing Machinery (ACM). It was awarded for the first time at the SIAM Annual Meeting in June 2003 in Montreal, Canada.

Each prizewinner received \$2,500 and a framed, hand-calligraphed certificate bearing the following citation: “For the development of mathematical methods and computer science tools for science and engineering, including adaptive mesh refinement software, and for their application to the solution of a wide variety of physical problems in fluid dynamics, shock wave theory, combustion and astrophysics.”

The prize selection committee consisted of: Linda R. Petzold (chair), University of California, Santa Barbara; Wayne H. Enright, University of Toronto; and David S.

Wehrly, Forefronts Foundation for Large Scale Computation.

The prize is awarded in the area of computational science in recognition of outstanding contributions to the development and use of mathematical and computational tools and methods for the solution of science and engineering problems.

—From a *SIAM* announcement

LMS Prizes Awarded

The London Mathematical Society (LMS) has awarded a number of prizes for 2003.

ANGUS MACINTYRE, of the University of Edinburgh, received the Pólya Prize for his influential contributions to model theory and its applications.

TOM BRIDGELAND, of the University of Edinburgh, was awarded the Berwick Prize for a paper titled “Equivalences of triangulated categories and Fourier-Mukai transforms”, published in the *Bulletin of the London Mathematical Society*, which introduced new methods and solved an important question in algebraic geometry.

PETER NEUMANN, of Oxford University, received the Senior Whitehead Prize for his contribution to and influence on research in diverse branches of group theory and for broad contributions to British mathematics.

Four Whitehead Prizes were awarded. NICHOLAS DOREY, of the University of Wales, Swansea, was honored for his contributions to mathematical physics, specifically to the understanding of nonperturbative effects in gauge field theories. TOBY HALL was recognized for his work on the dynamics of surface homeomorphisms. MARC LACKENBY, of St. Catherine’s College and Oxford University, was honored for his contributions to three-dimensional topology and combinatorial group theory. MAXIM NAZAROV, of the University of York, received a prize for his work on the covering group of the symmetric group.

—From an *LMS* announcement

NSF Postdoctoral Fellowships Awarded

The Mathematical Sciences Postdoctoral Research Fellowship program of the Division of Mathematical Sciences of the National Science Foundation (NSF) awards fellowships each year for postdoctoral research in pure mathematics, applied mathematics and operations research, and statistics. Listed below are the names of the fellowship recipients for 2003, together with their Ph.D. institutions (in parentheses) and the institutions where they will use their fellowships.

MARK J. BEHRENS (University of Chicago) Massachusetts Institute of Technology; ANDREW R. BOOKER (Princeton University) University of California, San Diego; NATHAN D. BROADDUS (Columbia University) University of California,

Davis; GEOFFREY W. BUHL (University of California, Santa Cruz) Rutgers University, New Brunswick; JOSHUA N. COOPER (University of California, San Diego) Courant Institute; LAURA G. DEMARCO (Harvard University) University of Chicago; ALAN DEMLOW (Cornell University) University of Freiburg (Germany); JONATHAN E. FELDMAN (Massachusetts Institute of Technology) Columbia University; DAVID F. HELM (University of California, Berkeley) Harvard University; SAMUEL K. HSIAO (Cornell University) University of Michigan, Ann Arbor; DAVID M. KEMPE (Cornell University) University of Washington; AMIT KHETAN (University of California, Berkeley) University of Massachusetts, Amherst; MARCUS A. KHURIT (University of Pennsylvania) Stanford University; KEVIN K. LIN (University of California, Berkeley) New York University; NICHOLAS A. LOEHR (University of California, San Diego) University of Pennsylvania; ELIZABETH D. MANN (Oxford University, United Kingdom) Massachusetts Institute of Technology; JASON F. MANNING (University of California, Santa Barbara) California Institute of Technology; LAURA F. MATUSEVICH (University of California, Berkeley) Harvard University; TYLER K. McMILLEN (University of Arizona) Princeton University; DAVID E. MEASE (University of Michigan, Ann Arbor) University of Pennsylvania; COLLEEN C. MITCHELL (Duke University) Boston University; ANDREEA C. NICOARA (Princeton University) Harvard University; JAMES A. PARSON (Princeton University) University of Michigan, Ann Arbor; JACOB A. RASMUSSEN (Harvard University) Princeton University; TIM ROUGHGARDEN (Cornell University) University of California, Berkeley; NATHAN L. SEGERLIND (University of California, San Diego) Institute for Advanced Study, Princeton; JACOB K. STERBENZ (University of Maryland, College Park) Princeton University; PETER A. STORM (University of Michigan, Ann Arbor) University of Chicago; CRAIG J. SUTTON (University of Michigan, Ann Arbor) University of Pennsylvania; GREGORY S. WARRINGTON (Harvard University) University of Pennsylvania; MARTIN H. WEISSMAN (Harvard University) University of California, Berkeley; and KEVIN E. WORTMAN (University of Chicago) Cornell University.

—Allyn Jackson

Royal Society of Canada Elections

In June, 2003, four scholars who work in the mathematical sciences were elected fellows in the Royal Society of Canada. They are HENRI DARMON, McGill University; J. IAN MUNRO, University of Waterloo; KEITH J. WORSLEY, McGill University; and JAMES V. ZIDEK, University of British Columbia.

—From a *Royal Society* announcement