Mathematics People

2001 CAREER Awards Made

Five mathematicians have been honored by the National Science Foundation (NSF) in fiscal year 2001 with Faculty Early Career Development (CAREER) awards. The NSF established the awards to support promising scientists, mathematicians, and engineers who are committed to the integration of research and education. The grants run from four to five years and range from $200,000 to $500,000 each.

The CAREER grant awardees for 2001 and the titles of their grant projects are: RICARDO CORTEZ (Tulane University), Regularization methods for fluid/filament interactions in three dimensions; ALEXANDER FURMAN (University of Illinois, Chicago), Rigidity of group actions in ergodic theory and geometry; SÁNDOR KÓVACS (University of Washington), Theory of moduli; JOSÉ NATHAN KUTZ (University of Washington), Dispersive waves in nonlinear media: Dynamics and applications; and ITAY NEEMAN (University of California, Los Angeles), Large cardinals.

—From an NSF announcement

Alder and Kawasaki Win Boltzmann Medals

The 2001 Boltzmann Medals have been awarded to BERNI J. ALDER of the University of California, Davis, and Lawrence Livermore National Laboratory and to KYOZI KAWASAKI of the Los Alamos National Laboratory and Chubu University, Japan.

Alder was cited "for inventing the technique of molecular dynamics simulation and showing that with such 'computer experiments' important discoveries in the field of statistical mechanics can be made, in particular the melting/crystallization transition of hard spheres and the long-time decay of autocorrelation functions in fluids". Kawasaki was honored "for his contribution to our understanding of dynamic phenomena in condensed matter physics, in particular the mode-coupling theory of fluids near criticality, and nonlinear problems, such as critical phenomena in sheared fluids and phase separation".

The Boltzmann Medal is given every three years by the Commission on Statistical Physics in the name of the International Union of Pure and Applied Physics.

—Kurt Binder, Universität Mainz

AMS Awards Pi Mu Epsilon Student Prizes

Each year, the AMS sponsors the AMS Award for Outstanding Pi Mu Epsilon Student Paper Presentation. The awards, first presented in 1989, are made by Pi Mu Epsilon (PME), the U.S. honorary mathematics society, to recognize the best undergraduate student papers presented at a PME student paper session. Each awardee receives a prize of $150. Eight students received awards for presentations at the Student Conference held in Madison, Wisconsin, August 1–2, 2001. The conference was jointly sponsored by PME and the Mathematical Association of America. The names of the students, together with their institutions and the titles of their talks, are listed below.

ERIC APPELT, Miami University, "Bandwidth of a Product of Cliques of Uneven Size"; ERIN BERGMAN, St. Norbert College, "Origami and Mathematics"; DAVE GERBERRY, Youngstown State University, "Scheduling Tournaments Using Combinatorial Designs"; BRENDA JOHNSON, South Dakota State University, "Disjunctive Rado Numbers"; YAKOV KRONROD, Worcester Polytechnic Institute, "Pattern Formation in Biological Systems"; BRIAN MUSCIA, Elmhurst College, "Binomial Basketball: Success String Possibilities"; TOM WAKEFIELD, Youngstown State University, "Factorizable Groups"; and KATHY WOODSIDE, North Carolina State University, "Protecting the Public Health: Predicting PM Fine in Forsyth County".

—Allyn Jackson