
Mathematics People

Viehmänn Awarded von Kaven Prize

EVA VIEHMANN of the Technical University of Munich has been awarded the 2012 von Kaven Award in mathematics “in recognition of her outstanding research in the field of arithmetic algebraic geometry.” The prize, which is administered by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation), carries a cash award of 10,000 euros (approximately US\$13,000).

Viehmänn was honored for her work on the Langlands program, which consists of a wide-ranging series of conjectures that relate algebraic number theory to representation theory of algebraic groups. The program, according to the prize citation, “has developed into an important and highly relevant field of mathematical research.” Viehmänn, “through her investigations into the global structure of moduli spaces of p -divisible groups and into the definition of local G -shtukas, has contributed new and original findings in this specialized area.”

The von Kaven prize is funded from the proceeds of the von Kaven Foundation, which was established in 2004 by mathematician Herbert von Kaven, who died in 2009 at the age of 101.

—From a DFG announcement

Prizes of the Canadian Mathematical Society

MATTHEW KENNEDY of Carleton University has been awarded the 2012 Doctoral Prize of the Canadian Mathematical Society (CMS). In his Ph.D. thesis at the University of Waterloo he provided “a detailed structure theorem for an important class of linear operators, namely row isometries, which can be used to generate families of wavelets used for data compression. The structure theorem sheds new light on this area of application.”

The prize citation states, “The research Kennedy completed in his doctoral studies is related to an important class of algebras and operators. In his thesis entitled ‘Free semigroup algebras and the structure of an isometric tuple’ he made great strides towards completing the structure theory of free semigroup algebras, in particular fully resolving three questions that have been recognized to be of central importance to this project for at least a decade.

Furthermore, he generalized the classical Lebesgue-von Neumann-Wold decomposition of Hilbert space isometries to the situation of isometric n -tuples.”

The CMS Doctoral Prize is awarded annually to a Canadian doctoral student who has demonstrated outstanding performance in the area of mathematical research.

MELANIA ALVAREZ of the University of British Columbia and the Pacific Institute for the Mathematical Sciences (PIMS) has been awarded the 2012 Adrien Pouliot Award of the Canadian Mathematical Society in recognition of her contributions to mathematics education in Canada. She has focused largely on working with First Nations students to improve their mathematical education and reduce their dropout rates. She also helps organize the Elementary Mathematics Contest (ELMACON), problem-solving workshops for students at elementary and secondary schools, and math workshops for elementary and secondary school teachers, and engages in active fundraising to support a wide range of education activities.

The Adrien Pouliot Award was inaugurated in 1995 to recognize individuals who have made significant and sustained contributions to mathematics education in Canada. The award is named for Adrien Pouliot, the second CMS president, who taught mathematics at Université Laval for fifty years and was instrumental in developing Laval’s engineering and science faculty.

—From CMS announcements

Shiller Awarded 2012 CME/MSRI Prize

ROBERT SHILLER of Yale University has been awarded the 2012 CME Group-MSRI Prize in Innovative Quantitative Applications. Shiller is cocreator of the Case-Shiller Index of U.S. house prices and author of the book *Irrational Exuberance*, which warned about the possible bursting of speculative bubbles. The annual prize is awarded to an individual or a group to recognize originality and innovation in the use of mathematical, statistical, or computational methods for the study of the behavior of markets and, more broadly, of economics. The award carries a cash prize of US\$25,000.

—Elaine Kehoe

NDSEG Fellowships Awarded

Fourteen young mathematicians have been awarded National Defense Science and Engineering Graduate (NDSEG) Fellowships by the Department of Defense (DoD) for 2012. The fellowships are sponsored by the United States Army, Navy, and Air Force. As a means of increasing the number of U.S. citizens trained in disciplines of military importance in science and engineering, DoD awards fellowships to individuals who have demonstrated ability and special aptitude for advanced training in science and engineering. The following are the names of the fellows in mathematics, their institutions, and the offices that awarded the fellowships: DANIEL BEYLKIN, Yale University, Air Force Office of Scientific Research (AFOSR); ISSAC BUENROSTRO, Stanford University, AFOSR; MY HUYNH, Stanford University, AFOSR; MARKUS KLIEGL, Princeton University, AFOSR; ANDREW LI, Massachusetts Institute of Technology, Office of Naval Research (ONR); ALEXANDER LUEDTKE, Harvard University, ONR; HANNAH MANUEL, Princeton University, ONR; EMILY MEISSEN, University of Arizona, AFOSR; DEREK OLSON, University of Minnesota, Twin Cities, ONR; ZOHAR STRINKA, University of Michigan, Ann Arbor, Army Research Office (ARO); ILA VARMA, Princeton University, AFOSR; CHELSEA WEAVER, University of California Davis, ONR; ANDREW WILSON, University of California San Diego, AFOSR; and JASON XU, University of Washington, ARO.

—From an NDSEG announcement

B. H. Neumann Awards Given

The Australian Mathematics Trust has awarded several B. H. Neumann Awards for service to the mathematics profession. JANINE MCINTOSH of the Australian Mathematical Sciences Institute has been a primary school teacher and a member of the Mathematics Challenge for Young Australians Problems Committee, is an author of a series of textbooks, and provides professional development for teachers. GRAHAM K. MEIKLEJOHN, state director for Queensland Australian Mathematics Competition (AMC), is a coauthor of several resource books for mathematics teachers. WEN-HSIEN SUN is a mathematics book publisher and mathematics bookstore owner in Beijing and Taipei; he hosted the International Mathematics Competition in Taipei in 2012 and is the Taiwan national director for the AMC.

—From an Australian Mathematics Trust announcement



Worldwide Search for Talent

City University of Hong Kong is a dynamic, fast-growing university that is pursuing excellence in research and professional education. As a publicly-funded institution, the University is committed to nurturing and developing students' talent and creating applicable knowledge to support social and economic advancement. Currently, the University has six Colleges/Schools. Within the next two years, the University aims to recruit **100 more scholars** from all over the world in various disciplines, including **science, engineering, business, social sciences, humanities, law, creative media, energy, environment**, and other strategic growth areas.

Applications and nominations are invited for:

Chair Professor/Professor Associate Professor/Assistant Professor Department of Mathematics [Ref. A/094/49]

Duties : Conduct research in areas of Applied Mathematics including Analysis and Applications, Mathematical Modelling (including biological/physical/financial problems), Scientific Computation and Numerical Analysis, and Probability and Statistics; teach undergraduate and postgraduate courses; supervise research students; and perform any other duties as assigned.

Requirements : A PhD in Mathematics/Applied Mathematics/Statistics with an excellent research record.

Salary and Conditions of Service

Remuneration package will be driven by market competitiveness and individual performance. Excellent fringe benefits include gratuity, leave, medical and dental schemes, and relocation assistance (where applicable). Initial appointment will be made on a fixed-term contract.

Information and Application

Further information on the posts and the University is available at <http://www.cityu.edu.hk>, or from the Human Resources Office, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong [Fax : (852) 2788 1154 or (852) 3442 0311/email : hrojjob@cityu.edu.hk].

Please send the nomination or application with a current curriculum vitae to Human Resources Office. **Applications and nominations will receive full consideration until the positions are filled.** Please quote the reference of the post in the application and on the envelope. Shortlisted candidates for the post of Assistant Professor will be requested to arrange for at least 3 reference reports sent directly by their referees to the Department, specifying the position applied for. The University reserves the right not to fill the positions. Personal data provided by applicants will be used strictly in accordance with the University's personal data policy, a copy of which will be provided upon request.

The University also offers a number of visiting positions through its "CityU International Transition Team" for current graduate students and for early-stage and established scholars, as described at http://www.cityu.edu.hk/provost/cityu_international_transition.htm.

City University of Hong Kong is an equal opportunity employer and we are committed to the principle of diversity. We encourage applications from all qualified candidates, especially those who will enhance the diversity of our staff.