

Harvard University, received the award “for elegant theoretical and numerical analyses of coating and free-surface flows.”

The division of atomic, molecular, and optical physics gave two DAMOP Dissertation Awards in 2005. **Markus Greiner**, an assistant professor of physics at Harvard University, was recognized for realizing a “quantum phase transition from a superfluid to a Mott insulator in a gas of ultracold atoms.” **James K. Thompson**, a post-doctoral fellow at the MIT–Harvard Center for Ultracold Atoms in Cambridge, Massachusetts, received the honor for “testing $E = mc^2$ with a two-ion mass balance.”

Eduard Pozdeyev received the 2005 Award for Outstanding Dissertation in Beam Physics “for pioneering research on space charge effects of beams in the isochronous regime, including simulations and experimental verification following the design and construction of the Small Isochronous Ring.” Pozdeyev is an accelerator physicist at the Center for Advanced Studies of Accelerators at the Thomas Jefferson National Accelerator Facility in Newport News, Virginia.

Receiving the I. I. Rabi Prize for 2005 was **Deborah S. Jin**, NIST fellow and adjunct associate professor of physics at the University of Colorado in Boulder. Jin was recognized “for her pioneering work in the production of degenerate Fermi gases and exploitation of their novel physical properties.”

Murtadha A. Khakoo, professor of physics at California State University in Fullerton, was the recipient of the 2005 Prize for Research in an Undergraduate Institution. Khakoo was honored “for his challenging and sophisticated experiments in electron–atom collisions that have provided significant tests of atomic theory and for his energetic, sustained mentoring of students in his research.”

APS awarded its Arthur Schawlow Prize for 2005 to **Marlan O. Scully**, a Distinguished Professor of Physics at Texas A&M University in College Station who also holds the rank of professor in mechanical and aerospace engineering at Princeton University in Princeton, New Jersey. Scully was recognized “for his many far-reaching contributions to quantum optics and quantum electronics and, in particular, for the quantum theory of lasers, for the theory of free-electron lasers and laser gyros, and for theoretical and experimental contributions to optical coherence effects.”

Vladimir E. Fortov, president of the Institute for High Energy Densities of the Russian Academy of Sci-

ences in Moscow and professor and chair director of the High Energy Physics Chair at the Moscow Institute of Science and Technology, is the 2005 recipient of the Shock Compression Science Award. Fortov was honored “for pioneering research in high-energy density physics, strongly coupled plasmas, hot-condensed matter, shock-compression science, and their applications.”

Halliday Named ESF President

Ian Halliday, former chief executive of the Particle Physics and Astronomy Research Council in Swindon, UK, has been chosen to become president of the European Science Foundation. His role there will include chairing meetings of the ESF’s governing council, setting agendas, and conferring with member organizations around Europe.



Halliday

Halliday also began a new post 1 October as chief executive of the Scottish Universities Physics Alliance, where he will work to develop a partnership between the physics departments of six Scottish universities that do physics research,

including Glasgow, St. Andrews, Paisley, Strathclyde, Heriot-Watt, and Edinburgh.

Following Halliday’s recommendation as ESF president by a search committee comprising leading figures from Europe’s scientific community, in November the ESF’s governing council will propose to the annual assembly of member organizations that Halliday be appointed president for a three-year term starting 1 January 2006. He will succeed **Reinder van Duinen**, who served as president for the past six years.

In Brief

Jennifer M. Schwarz and **Xiangjun Xing** joined the physics department at Syracuse University, each as an assistant professor of physics, in August. Schwarz, who earned a PhD from Harvard University in 2002, was a research associate at the University of Pennsylvania and UCLA from 2003 to 2005 and at Syra-

cuse University from 2001 to 2003. Xing, who earned a PhD in 2003 from the University of Colorado in Boulder, was a research associate at the University of Illinois at Urbana-Champaign from 2003 to 2005 and at the Kavli Institute for Theoretical Physics from 2002 to 2003.

Massimo Inguscio, internationally renowned for his recent research on the physics of ultracold atoms, has won the 2005 Science Prize from the Simone and Cino del Duca Foundation of the French Academy of Science. Inguscio, a professor of physics at the University of Florence and director of atomic physics research at the European Laboratory for Nonlinear Spectroscopy in Florence, was awarded the prize “for his research in the area of degenerate fermion gases.” He accepted the honor during a 15 June ceremony in Paris and received C250 000 (about \$310 000) as part of the award.

A former Brookhaven National Laboratory chemist recognized for his expertise in crystallography and structural and synthetic chemistry has been named director of the University of South Carolina’s NanoCenter. **Tom Vogt** told PHYSICS TODAY that in his new post he leads a team of 40 scientists involved in nanoscience research and initiates and oversees the conceptual design and construction of a new nanoscience building at USC, where he is also a professor in the chemistry and biochemistry department and an adjunct professor of philosophy. At the time of his departure from Brookhaven in August, Vogt—who had joined the facility in 1992—was the head of the materials synthesis and characterization group in the lab’s physics department, cluster leader of materials synthesis in the Center for Functional Nanomaterials, and technical coordinator for scientific equipment for the center.

Daniel L. Stein has joined New York University as a Provost Faculty Fellow with joint appointments in the physics and mathematics departments. Stein comes to NYU from the University of Arizona, Tucson, where he was a physics professor from 1987 to 2005—heading the physics department from 1995 to 2005—and a member of UA’s applied mathematics program, serving on its steering committee for two years. Stein began his new position at NYU on 1 September.