

# Faculty Notes

## Honors & Awards



C. Komboes

Daniel Z. Freedman

**Robert J. Birgeneau**, Professor of Physics Emeritus and Chancellor, University of California, Berkeley, received the Founders Award from the American Academy of Arts and Sciences.

**Bernard F. Burke**, William A. M. Burden Professor of Astrophysics Emeritus, was honored with a plaque by the state of Maryland for the discovery of radio noise from the planet Jupiter.

**Deepto Chakrabarty**, Associate Professor of Physics, was named one of three co-recipients of the 2006 Bruno Rossi Prize of the American Astronomical Society's High Energy Astrophysics Division. The award recognizes the scientists' pioneering work on understanding the exotic environment around fast-spinning neutron stars.

**Bruno Coppi**, Professor of Physics, was the opening lecturer at the 40th Anniversary celebration of the Space Research Institute of Russia; was the Distinguished Federico II Lecturer, University of Naples; and attended a symposium in his honor on plasma physics and fusion research at the International Spring Meeting on Plasma Physics in Turin, Italy.

**Mildred S. Dresselhaus**, Institute Professor and Professor of Physics and Electrical Engineering, was awarded an Honorary Doctorate of Science Degree from George Washington University; and received the 2006 Harold Pender Award of the University of Pennsylvania's School of Engineering and Applied Science, for her "pioneering contributions and leadership in the field of carbon-based nanostructures and nanotechnology, and for promoting opportunities for women in science and engineering."

**Jan Egedal-Pedersen**, Assistant Professor of Physics, received the Junior Faculty Career Award in Plasma Physics of the U. S. Department of Energy.

**Daniel Z. Freedman**, Professor of Physics and Professor of Applied Mathematics, was one of three co-recipients of the 2006 Dannie Heineman Prize for Mathematical Physics of the American Physical Society. The three were honored for their work in "constructing supergravity, the first supersymmetric extension of Einstein's theory of general relativity, and for their central role in its subsequent development." **Freedman** was also named a Distinguished Alumni Fellow, University of Wisconsin.

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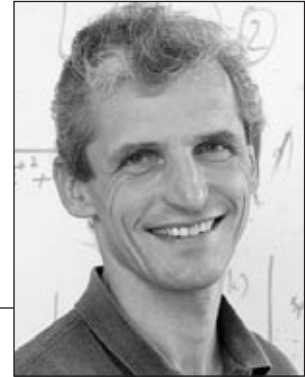
C. Monteiro

Jerome I. Friedman



Justin A. Knight

David Kaiser



Justin A. Knight

Wolfgang Ketterle

**Jerome I. Friedman**, Institute Professor and Professor of Physics Emeritus and 1990 Nobel Laureate, was awarded an Honorary Doctorate of Science Degree from Ohio State University.

**Scott A. Hughes**, Assistant Professor of Physics and Class of 1956 Career Development Professor, was awarded the 2005–06 School of Science Prize for Excellence in Undergraduate Teaching; received the Department of Physics 2005 Buechner Teaching Prize; and was awarded a National Science Foundation Career Grant.

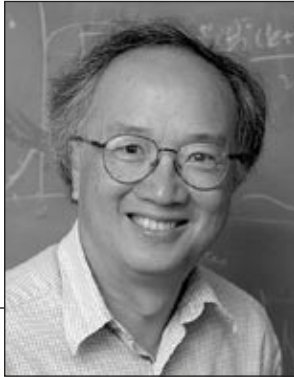
**Erich P. Ippen**, Elihu Thomson Professor of Electrical Engineering and Professor of Physics, was awarded a \$9.5 million, 3½-year program by the Defense Advanced Research Projects Agency (DARPA) of the U. S. Department of Defense. Ippen will lead a multi-institutional team of academic and industry partners to study the project, "Optical Arbitrary Waveform Generation for Ultrahigh Resolution Sensing and Imaging."

**Ali Javan**, Professor of Physics Emeritus, was named to the National Inventors Hall of Fame, honoring his invention of the helium-neon laser.

**David Kaiser**, Associate Professor of the history of science for the Program in Science, Technology & Society, and Lecturer in the Department of Physics, received the 2005–06 Harold E. Edgerton Faculty Achievement Award. The annual award recognizes exceptional distinction in teaching and research or scholarship in junior untenured faculty members.

**Wolfgang Ketterle**, John D. MacArthur Professor of Physics and 2001 Nobel Laureate, was awarded an Honorary Doctorate Degree of Sciences, Gustavus Adolphus College; gave the Van Vleck Lecture, University of Minnesota, the Wolfgang Pauli Lecture, ETH-Zürich, the C. N. Yang Nobel Lecture, Tsinghua University; and the 32nd Annual Hanan Rosenthal Memorial Lecture, Yale University.

**Bruce Knuteson**, Assistant Professor of Physics, was named a Finalist in the Young Scholars Competition, held in conjunction with the international symposium honoring the 90th birthday of Nobel Laureate and UC-Berkeley emeritus professor Charles Townes.



Patrick A. Lee

**Patrick A. Lee**, William and Emma Rogers Professor of Physics and Division Head, Atomic, Biological, Condensed Matter and Plasma Physics, gave the Houston Memorial Lecture, Rice University; and was one of three co-recipients of the 2005 Dirac Medal of the Abdus Salam International Centre for Theoretical Physics, given "for his pioneering contributions to our understanding of disordered and strongly interacting many-body systems."

**Young S. Lee**, Associate Professor of Physics, was awarded the Mark Hyman, Jr., Career Development Professorship, in recognition of his outstanding contributions to research and teaching.

**Hong Liu**, Assistant Professor of Physics, was named an Outstanding Junior Investigator by the U. S. Department of Energy.

**Ernest J. Moniz**, Professor of Physics, was appointed as the next holder of the Cecil and Ida Green Distinguished Professorship.

**Miklos Porkolab**, Professor of Physics and Director, Plasma Science and Fusion Center, was awarded the distinction of Fellow by the

American Association for the Advancement of Science (AAAS). He was honored by the AAAS for "pioneering experimental and theoretical research in nonlinear dynamics of plasmas and for leadership in advancing controlled fusion."

**Gunther Roland**, Associate Professor of Physics, was awarded an NEC Research Support grant.

**Gabriella Sciolla**, Assistant Professor of Physics, was named the 2006 Outstanding Faculty UROP Mentor by the Academic Resource Center of the Office of the Dean for Undergraduate Education; and was awarded an NEC Research Support grant.

**Marin Soljačić**, Assistant Professor of Physics, was awarded the 2005 Adolph Lomb Medal of the Optical Society of America. The annual award is presented to a person who has made a noteworthy contribution to optics at an early age.

**Soljačić** was also one of the winners in the Young Scholars Competition, for his paper, "Wireless Non-radiative Energy Transfer." The competition was held in conjunction with the international symposium honoring the 90th birthday of Nobel Laureate and UC-Berkeley emeritus professor Charles Townes.

## Honors & Awards



Justin A. Knight

Frank Wilczek

**Iain Stewart**, Assistant Professor of Physics, was awarded an Alfred P. Sloan Research Fellowship; and named an Outstanding Junior Investigator by the U. S. Department of Energy.

**Frank Wilczek**, Herman Feshbach Professor of Physics and 2004 Nobel Laureate, was named a Fellow of the Academy of Achievement (“Golden Plate Award”); and a Fellow of the American Philosophical Society.

**Barton Zwiebach**, Professor of Physics, received the Excellence Alumni Award from the Universidad Nacional de Ingeniería, Lima, Peru.

## Promotions

**Scott Burles** from Assistant Professor without tenure to Associate Professor without tenure.

**Isaac L. Chuang**, from Associate Professor without tenure to Associate Professor with Tenure, Departments of Physics and Electrical Engineering and Computer Science.

**Erotokritos Katsavounidis** from Assistant Professor without tenure to Associate Professor without tenure.

**Young S. Lee** from Assistant Professor without tenure to Associate Professor without tenure.

**Christoph Paus** from Associate Professor without tenure to Associate Professor with tenure.