

Edwards, Lee Win Dirac Medal

Samuel Frederick Edwards, emeritus Cavendish professor of physics at the University of Cambridge, UK, and **Patrick A. Lee**, William and Emma Rogers Professor of Physics at MIT, are the recipients of this year's Dirac Medal.

Edwards, noted for his work in condensed matter physics, is being honored "for his fundamental contributions to polymer physics, spin-glass theory and the physics of granular matter." Internationally known for his work on weak localization and interaction effects, Lee is being recognized "for his contributions to the international physics community's understanding of disordered and strongly interacting many-body systems."

Established in 1985 by the Abdus Salam International Centre for Theoretical Physics, the Dirac Medal, which carries a \$5000 cash prize, is awarded annually to scientists who have made significant contributions to theoretical physics and mathematics. The honorees received their medals during an August ceremony.



Edwards



Lee

Majkrzak, Berman Receive ACA Awards

The American Crystallographic Association will confer its two awards for 2006 upon a researcher and a professor.

Charles F. Majkrzak, a physicist at NIST's Center for Neutron Research, is receiving the 2006 Bertram E. Warren Diffraction Physics Award "for his seminal contributions to the development of neutron reflectivity and for his pioneering work in the exploration of many issues in interface science using this technique."

Helen M. Berman, Board of Governors Professor of Chemistry and



Majkrzak



Berman

Chemical Biology at Rutgers University and director of the Research Collaboratory for Structural Bioinformatics Protein Data Bank at Rutgers, has been named the winner of the 2006 Martin J. Buerger Award for "her lifetime work in the pioneering development of information services for the global community of researchers who both produce and use macromolecular structural data."

Both awards include a \$1500 cash prize. Majkrzak and Berman will receive their awards in July 2006 at ACA's annual meeting, slated for Hawaii.

AAPT Honors Four

Four scientists whose work has centered on communicating and educating about physics have been recognized for their efforts with awards from the American Association of Physics Teachers. The honors were presented in August at the society's annual summer meeting, held this year in Salt Lake City, Utah.

John Rigden, an honorary physics professor at Washington University in St. Louis, Missouri, is the recipient of the Robert A. Millikan Award. The former education officer at the American Institute of Physics and the former principal investigator on the Introductory University Physics Project, an NSF-funded effort to advance the teaching of introductory physics, Rigden was chosen for his "way of talking about physics that seems accessible and exciting, which is why he makes a great teacher," according to the society. He received a cash prize of \$7500 and a medal.

Wendy L. Freedman, the Crawford H. Greenewalt chair and director of the Observatories of the Carnegie Institute of Washington in Pasadena, California, took home the Klopsteg Memorial Award for bringing "current research to AAPT members, to help

keep them up to date on the latest science. They can take that back to their classrooms and their labs," according to the citation. Freedman received a \$7500 cash prize and a certificate.

The Excellence in Undergraduate Teaching Award went this year to **Gary Gladding**, physics professor and associate head of the physics department at the University of Illinois in Urbana-Champaign, for his "impact [on physics education] because of his research on how students learn physics, and he is always learning new ways to better the teaching of physics." Gladding received a \$3000 purse and a certificate.

Patrick T. Callahan, a physical science teacher at Delaware Valley Regional High School in Frenchtown, New Jersey, is this year's winner of the Excellence in Precollege Physics Teaching Award. Callahan was honored "for his many and innovative contributions to the teaching of physics and the professional growth of physics teachers." He received a \$3000 cash prize and a certificate.

AAS Division of Planetary Sciences Bestows Prizes

The American Astronomical Society's division of planetary sciences selected a professor, an editor, and two scientists as the winners of its 2005 awards, distributed in September at the division's annual meeting in Cambridge, UK.

William B. Hubbard was the recipient of the 2005 Gerard P. Kuiper Prize "in recognition of his lifetime of work on the energy transport, internal structure, and evolution of giant planets, extrasolar planets, and brown dwarfs, and for outstanding contributions to planetary science. His pioneering work in the study of



Hubbard



Beatty