

Emmanuel Desurvire received the John Tyndall Award, cosponsored with the Institute of Electrical and Electronics Engineers/Lasers and Electro-Optics Society, in March during the Optical Fiber Communication Conference and Exposition and the National Fiber Optic Engineers Conference 2007 in Anaheim, California. The senior director in the wavelength division multiplexing networks product group in Alcatel-Lucent's optics division, Desurvire was honored "for pioneering contributions to the physical and theoretical understanding of erbium-doped fiber amplifiers and to their early development."

The R. W. Wood Prize will go to **Bahram Jalali** "for the invention and demonstration of Raman lasing in silicon." Jalali is a professor of electrical engineering at UCLA.

NAS elects new members, foreign associates

The National Academy of Sciences has elected 72 new members and 18 foreign associates from 12 countries in recognition of their achievements in original research. Held in May in Washington, DC, the election brought the total number of active members to 2025 with foreign associates totaling 387.

Of the new members elected, 27 do physics-related work.

Mario H. Acuña, senior astrophysicist and project scientist at NASA's Goddard Space Flight Center in Greenbelt, Maryland

David A. Agard, investigator at Howard Hughes Medical Institute in Chevy Chase, Maryland, and professor in the department of biochemistry and biophysics at the University of California, San Francisco

Brian F. Atwater, geologist on the western earthquake hazards team of the US Geological Survey and affiliate professor in the department of Earth and space sciences at the University of Washington in Seattle

David D. Awschalom, professor of physics and of electrical and computer engineering in the physics department at UC Santa Barbara

Moungi G. Bawendi, professor of chemistry at MIT

Steven M. Block, professor of applied physical and biological sciences at Stanford University

Donald E. Canfield, professor of ecology at the Institute of Biology and director of the Nordic Center for Earth

Evolution, both at the University of Southern Denmark in Odense

Noel Clark, professor in the physics department at the University of Colorado at Boulder

Bruce T. Draine, professor in the astrophysical sciences department at Princeton University

Kerry A. Emanuel, Breene M. Kerr Professor in the atmospheres, oceans, and climate program of the Earth, atmospheric, and planetary sciences department at MIT

Paul G. Falkowski, professor at the Institute of Marine and Coastal Sciences and geological sciences department at Rutgers University in New Brunswick, New Jersey

Michael D. Fayer, David Mulvane Ehrsam and Edward Curtis Franklin Professor of Chemistry at Stanford University

Graham Fleming, Melvin Calvin Distinguished Professor of Chemistry at UC Berkeley

Gerald Gabrielse, George Vasmer Leverett Professor of Physics at Harvard University

Allen M. Goldman, Institute of Technology Professor of Physics and head of the school of physics and astronomy at the University of Minnesota in Minneapolis

David Gottlieb, Ford Foundation Professor and professor of applied mathematics at Brown University in Providence, Rhode Island

William L. Johnson, Ruben and Donna Mettler Professor of Materials Science, Engineering, and Applied Science at Caltech

Albert J. Libchaber, physics professor at the Rockefeller University in New York City

Curtis T. McMullen, mathematics professor at Harvard University

Christopher Miller, investigator at Howard Hughes Medical Institute and biochemistry professor at Brandeis University in Waltham, Massachusetts

William E. Moerner, Harry S. Mosher Professor of Chemistry at Stanford University

M. Granger Morgan, university professor and head of the department of engineering and public policy at Carnegie Mellon University in Pittsburgh, Pennsylvania

Timothy J. Richmond, professor at the Institute for Molecular Biology and Biophysics, ETH Zürich, Switzerland

David N. Spergel, professor in the department of astrophysical sciences at Princeton University

Katepalli R. Sreenivasan, Glenn L. Martin Professor of Engineering and

distinguished university professor at the University of Maryland, College Park

Clifford M. Will, James S. McDonnell Professor of Physics at Washington University in St. Louis, Missouri

Mark B. Wise, John A. McCone Professor of High Energy Physics at Caltech.

Of the foreign associates elected, five are involved in physics-related work.

Pierre Deligne, professor at the Institute for Advanced Study in Princeton, New Jersey (Belgium)

Sumio Iijima, professor in the department of materials science and engineering at Meijo University in Nagoya, Japan (Japan)

Aizhen Li, academic director of the State Key Laboratory of Functional Materials and Informatics at the Chinese Academy of Sciences' Shanghai Institute of Microsystem and Information Technology (People's Republic of China)

Simon D. M. White, director at the Max Planck Institute for Astrophysics in Garching, Germany (UK)

Ronald F. Woodman, executive president of the Geophysical Institute of Peru in Mayorazgo (Peru).

in brief

Former Alcatel-Lucent Bell Labs scientist **Tsuyoshi Kimura** has returned to Japan to accept a position at Osaka University as professor in the materials science division of the Graduate School of Engineering Science. Kimura, who had been a member of Bell Labs' technical staff from 2005 through March 2007, will focus his research on exploring new fundamental materials. He told PHYSICS TODAY he's delighted to be home. "I always wanted to come back to Japan finally and to work with young students," Kimura said.

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