



## Archives for Honors and Awards

### Chameau Receives Prize

January 7 2007 - **Jean-Lou Chameau**, president of Caltech and professor of civil engineering and environmental science and engineering, has been selected to receive the Prix Nessim Habif from the Société des Ingénieurs Arts et Métiers. The honor brings with it a prize of 3,000 euros. Chameau received his secondary and undergraduate education in France, and his MS and PhD from Stanford in 1977 and 1981, respectively. Prior to joining Caltech he served as provost and vice president for academic affairs at the Georgia Institute of Technology, where he was a Georgia Research Alliance Scholar and Hightower Professor and former dean of the Georgia Tech College of Engineering. He became Caltech's eighth president on September 1.

### Lester Receives Cole Award

January 7 2007 - **Henry Lester**, Bren Professor of Biology, has received the Kenneth S. Cole Award from the Membrane Biophysics Subgroup of the Biophysical Society. The award is given annually to an investigator "who has made a substantial contribution to knowledge of membranes." Lester received his AB from Harvard in 1966 and his PhD from Rockefeller University in 1971. He joined Caltech in 1973 as an assistant professor of biology and was appointed associate professor in 1976, professor in 1983, and Bren Professor in 2000.

### Boehm Elected AAAS Fellow

December 3 2006 - **Felix Boehm**, Valentine Professor of Physics, Emeritus, has been elected a fellow of the American Association for the Advancement of Science in the Section on Physics. The award ceremony will be held in 2007 during the AAAS meeting in San Francisco, February 15-19. Boehm joined Caltech's faculty in 1953 as a research fellow, became senior research fellow in 1955, assistant professor in 1958, associate professor in 1959, professor in 1961, Valentine Professor in 1985, and emeritus in 1995. He received his PhD from the Federal Institute of Technology (Zurich) in 1951.

### Caltech Observatories Honored

December 3 2006 - The **Caltech Astronomical Observatories**, and the scientists, researchers, and students associated with it, have been selected by the Space Foundation to be the group recipient of the John L. "Jack" Swigert, Jr., Award for Space Exploration. Named after the late *Apollo 13* astronaut, who died of bone cancer in 1982 shortly after being elected to Congress by Colorado's newly created Sixth District, the award recognizes "the trailblazing body of astronomy research and discoveries made by the Caltech astronomy community, and the successful management of one of the world's most impressive portfolios of observatories," which includes the Palomar Observatory, the W. M. Keck Observatory, and the Owens Valley Radio Observatory, among others. JPL received the award last year.

### Christy Elected AAAS Fellow

December 3 2006 - **Robert Christy**, Institute Professor of Theoretical Physics, Emeritus, has been elected a fellow of the American Association for the Advancement of Science in the Section on Physics. The award ceremony will be held in 2007 during the AAAS meeting in San Francisco, February 15-19. Christy received his BA from the University of British Columbia in 1935 and his PhD from UC Berkeley in 1941. He joined Caltech's faculty in 1946 as an associate professor of physics, was appointed professor of theoretical physics in 1950, was named Institute Professor in 1983, and became emeritus in 1986. During his career he served as executive officer for physics from 1968 to 1970, as vice president and provost from 1970 to 1980, and as acting president in 1977-78.

### Ellis to Give Bahcall Lecture

December 3 2006 - **Richard Ellis**, Steele Family Professor of Astronomy, has been named the inaugural John Bahcall Distinguished Professor at the Space Telescope Science Institute in Baltimore. He will give the Bahcall Lecture at the Space Telescope Science Institute and a public lecture at the Goddard Space Flight Center in early December. Ellis was selected for this honor on the basis of his research accomplishments and his "activities and vision in building for the future," as well as his "ability to communicate both the substance and the excitement of frontier astrophysics." A Fellow of the Royal Society, Ellis received his doctorate from the University of Oxford in 1974. He has been a professor at Caltech since 1999, and he directed the Caltech Optical Observatories from 2002 to 2005.

### Kamionkowski Named Robinson Professor

December 3 2006 - **Marc Kamionkowski** has been named the Robinson Professor of Theoretical Physics and Astrophysics. A

professor at Caltech since 1999, he received his bachelor's degree from Washington University in St. Louis in 1987 and his PhD from the University of Chicago in 1991. His research interests include how the large-scale distribution of mass in the universe originated, galaxy formation, the formation of the first stars, and the problems of dark matter and dark energy.

### **Raab Elected APS Fellow**

December 3 2006 - **Frederick Raab**, a member of the professional staff in the Laser Interferometer Gravitational-Wave Observatory (LIGO) Laboratory, has been elected a fellow of the American Physical Society (APS), on the recommendation of the Topical Group on Gravitation. According to the APS Fellowships page, "members are eligible for nomination and election to Fellowship. Each nomination is evaluated by the Fellowship committee of the appropriate APS division, topical group or forum. After review by the APS Fellowship Committee, the successful candidates are elected by APS Council. Fellowship is therefore a distinct honor signifying recognition by one's professional peers."

### **Ravichandran Receives Honorary Degree**

December 3 2006 - **Guruswami Ravichandran**, Goode Professor of Aeronautics and Mechanical Engineering, has been awarded the honorary degree *docteurs honoris causa* by Paul Verlaine University, Metz, France, "in recognition of his pioneering contributions to the mechanical behavior of materials under extreme conditions and for promoting international collaboration with researchers" at that university. Ravichandran received his BE from the University of Madras (Regional Engineering College) in 1981 and an ScM in solid mechanics and structures, an ScM in applied mathematics, and a PhD from Brown University in 1983, 1984, and 1986, respectively. He came to Caltech as an assistant professor in 1990, was appointed professor in 1999, and was named Goode professor in 2005.

### **Drever Awarded Einstein Prize**

November 5 2006 - **Ron Drever**, professor of physics, emeritus, has been chosen a recipient of the American Physical Society's 2007 Einstein Prize, which is supported by the Topical Group on Gravitation. Drever and his corecipient, Rainer Weiss of MIT, are being recognized "for fundamental contributions to the development of gravitational wave detectors based on optical interferometry, leading to the successful operation of the Laser Interferometer Gravitational Wave Observatory"; they will share the honor's \$10,000 prize. Drever received his BSc and PhD from Glasgow University in 1953 and 1958, respectively, and joined Caltech as professor of physics in 1979.

### **Eisenstein Named Buckley Prize Winner**

November 5 2006 - **James Eisenstein**, Roshek Professor of Physics and Applied Physics, has been named a corecipient of the American Physical Society's 2007 Oliver E. Buckley Prize in Condensed Matter Physics "for fundamental experimental and theoretical research on correlated many-electron states in low dimensional systems." He will share the \$10,000 prize with Steven Girvin of Yale and Allan MacDonald of the University of Texas, Austin. Eisenstein received his bachelor's degree from Oberlin College in 1974 and his PhD from UC Berkeley in 1980, and he joined Caltech as professor of physics in 1996.

### **Elowitz Receives Packard Fellowship**

November 5 2006 - **Michael Elowitz**, assistant professor of biology and applied physics and Bren Scholar, has been awarded a Packard Fellowship for Science and Engineering. "The intent of the Fellowship Program is to provide support for unusually creative researchers early in their careers." Elowitz will receive \$625,000, payable over five consecutive years. A member of the Caltech faculty since 2003, he received his bachelor's degree from UC Berkeley in 1992 and his PhD from Princeton in 1999.

### **Libbrecht Snowflake Guide Published**

November 5 2006 - **Ken Libbrecht**, professor of and executive officer for physics, who received multiple awards in 2004 for his book *The Snowflake: Winter's Secret Beauty*, has a new book out, *Ken Libbrecht's Field Guide to Snowflakes*. In addition, the U.S. Postal Service has issued a set of four commemorative stamps featuring images of snowflakes based on his photographs. Libbrecht received his BS from Caltech in 1980 and his PhD from Princeton in 1984, the same year he joined Caltech as an assistant professor of astrophysics. He has been professor since 1995 and executive officer since 1997.

### **Simon to Give Wasow Lecture**

November 5 2006 - **Barry Simon**, IBM Professor of Mathematics and Theoretical Physics, has been chosen to be the 2007 Wolfgang Wasow Memorial Lecturer at the University of Wisconsin-Madison; the lecture will be given next fall. Simon first came to Caltech as a Sherman Fairchild Distinguished Scholar in 1980, then joined the faculty as a full professor in 1981. Named IBM Professor in 1984, he served as executive officer for mathematics from 1997 to 2003. He received his AB from Harvard College in 1966 and his PhD from Princeton University in 1970.

### **Barish Receives Honorary Degree**

October 1 2006 - **Barry Barish**, Linde Professor of Physics, Emeritus, has been awarded a *Laurea ad Honorem* in Physics by the University of Bologna. A workshop, "Beyond the Standard Model," was held at the Bologna Academy of Sciences on October 2 in honor of Barish and fellow recipient Nobel Laureate Sheldon Glashow of Boston University. Barish has been a member of Caltech's faculty since 1963. He was named Linde Professor in 1991 and served as director of the Laser Interferometer Gravitational-Wave Observatory from 1997 to 2006.

### **Lange Awarded Balzan Prize**

October 1 2006 - **Andrew Lange**, Goldberger Professor of Physics, has been selected to be a corecipient of the 2006 Balzan Prize

for Observational Astronomy and Astrophysics, one of four Balzan Prizes to be presented November 24 in the Palazzo Corsini in Rome. Each prize is worth one million Swiss francs (about \$810,000), which Lange will share with his corecipient and BOOMERANG colleague, Paolo de Bernardis. The BOOMERANG experiment, utilizing a microwave telescope suspended from a balloon over the Antarctic, has provided important new images of the early universe. A professor at Caltech since 1994 and the Goldberger Professor since 2001, Lange received his BA from Princeton in 1980 and his PhD from UC Berkeley in 1987.

### **Meyerowitz Receives Balzan Prize**

October 1 2006 - **Elliot Meyerowitz**, Beadle Professor of Biology and chair of the biology division, has been selected to be a corecipient of the 2006 Balzan Prize for Plant Molecular Genetics, one of four Balzan Prizes to be presented November 24 in the Palazzo Corsini in Rome. Each prize is worth one million Swiss francs (about \$810,000), which Meyerowitz will share with his corecipient, Christopher Somerville of Stanford University, for "their joint efforts in establishing Arabidopsis as a model organism for plant molecular genetics." A member of the Caltech faculty since 1980, Meyerowitz received his bachelor's degree from Columbia in 1973 and his PhD from Yale in 1977.

### **Simon Named van Winter Lecturer**

October 1 2006 - **Barry Simon**, IBM Professor of Mathematics and Theoretical Physics, has been invited to give the 2006–07 van Winter Memorial Lecture in Mathematical Physics at the University of Kentucky, on March 20 of next year. Simon received his AB from Harvard College in 1966 and his PhD from Princeton University in 1970. He first came to Caltech as a Sherman Fairchild Distinguished Scholar in 1980, then joined the faculty as full professor in 1981. Named IBM Professor in 1984, he served as executive officer for mathematics from 1997 to 2003.

### **Zewail Honored by World Cultural Council**

October 1 2006 - **Ahmed Zewail**, Pauling Professor of Chemical Physics and professor of physics, has been selected to receive the "Albert Einstein" World Award of Science 2006 for his development of the new field of femtoscience and his "valuable contributions to the revolutionary discipline of physical biology." The honor is awarded by the World Cultural Council, which was founded in Mexico in 1982. The recipient of many honors, including the 1999 Nobel Prize in Chemistry, Zewail received his BSc from Alexandria University in 1967 and his PhD from the University of Pennsylvania in 1974. He has been a member of Caltech's faculty since 1976, and he is director of the Laboratory for Molecular Sciences.

### **Elachi to Receive Massey Award**

August 26 2006 - **Charles Elachi**, Caltech vice president, director of the Jet Propulsion Laboratory, and professor of electrical engineering and planetary science, has been selected to receive the 2006 Royal Society of London Massey Award, which "recognizes outstanding contributions to the development of space research, interpreted in the widest sense, in which a leadership role is of particular importance." He has also been named one of "America's Best Leaders" by *U.S. News & World Report* and the Center for Public Leadership at Harvard University's Kennedy School of Government. Elachi received his bachelor's degree at the University of Grenoble in 1968 and his Caltech PhD in electrical engineering in 1971, the same year he began working for Caltech/JPL.

### **E&S Earns Silver Medal**

August 26 2006 - **Engineering & Science**, Caltech's quarterly magazine for exploring the Institute's intellectual life and research activities as well as for advancing interest in science and scientific issues, has for the second year in a row won a silver medal in the Research Magazine category of the Circle of Excellence competition held annually by the Council for Advancement and Support of Education. According to the judges, the publication "excels at meeting its mission and serving its unique readership." The *E&S* team includes editor **Douglas Smith**, writer **Barbara Ellis**, graphic designer **Doug Cummings**, photographer **Bob Paz**, and circulation manager **Susan Lee**, who obtains the necessary permissions for using graphics from non-Caltech sources.

### **Visiting Associate Wins First Prize**

August 26 2006 - **Wolfgang Fink**, visiting associate in physics, has won first prize in the Congress of Evolutionary Computation 2006 Huygens Probe Competition, which was held at the World Congress on Computational Intelligence 2006, July 16–21, in Vancouver, British Columbia. The competition involved creating algorithms for evaluating fractal landscapes representing the surfaces of moons. A senior member of the technical staff at JPL, Fink received his PhD from the University of Tübingen in 1997.

### **Goldreich Receives Medal**

August 26 2006 - **Peter Goldreich**, DuBridge Professor of Astrophysics and Planetary Physics, Emeritus, has been awarded the Grande Medaille of the Academie des Sciences of the Institut de France. Created in 1997, the award is given annually, rotating among the disciplines relevant to each division of the academy. Recipients have "contributed to the development of science in a decisive way, both through the originality of their personal research and by their international presence and stimulating influence." A member of Caltech's faculty since 1966, Goldreich received his PhD from Cornell in 1963.

### **Valentine Professor Chosen for Laser Honor**

August 26 2006 - **Jeff Kimble**, Valentine Professor and professor of physics, has been chosen to receive the 2006 Berthold Leibinger Zukunftspreis, which "honors outstanding milestones in research for appliance and generation of laser light." He is the first recipient of the prize, which is to be awarded every two years, and was cited for "his groundbreaking experiments in the field of cavity quantum electrodynamics." Kimble received his PhD from the University of Rochester in 1978, joined Caltech as a professor in 1989, and was named Valentine Professor in 1997.

## Sky Survey Honored

August 26 2006 - The **Two-Micron All Sky Survey (2MASS) Team** has been named to receive the Astronomical Society of the Pacific's 2006 Maria and Eric Muhlmann Award, which recognizes "the development of innovative research instruments and techniques." Based at the University of Massachusetts Amherst, the project includes team members from Caltech's Infrared Processing and Analysis Center (IPAC) and from JPL. The Muhlmann Award is given annually "for recent significant observational results made possible by innovative advances in astronomical instrumentation, software, or observational infrastructure."

## Honorary Alumni Named

July 2 2006 - **Kevin Austin**, senior director of health and counseling services, and **William Caton**, visiting associate in biology, have been admitted to honorary membership in the Caltech Alumni Association. Austin has been working with the Caltech community since arriving on campus in 1990, and Caton is chairman of neurosurgery and director of neurosciences at Huntington Hospital, in Pasadena.

## ASCIT Honorees Named

July 2 2006 - **Warren Brown**, associate professor of history, **Nathan Dunfield**, associate professor of mathematics, **Ali Hajimiri**, associate professor of electrical engineering, **Niles Pierce**, assistant professor of applied and computational mathematics and bioengineering, and **Brian Stoltz**, associate professor of chemistry, have been named as faculty recipients of 2006 ASCIT (Associated Students of Caltech) Teaching Awards. The Teaching Award for research mentor has gone to **Preston McAfee**, Johnson Professor of Business Economics and Management, and awards for teaching assistant have been received by grad students **Bob Pelayo**, in mathematics, and **Christine Thomas**, in chemistry, and by **Po-Ru Loh**, undergraduate in mathematics, class of '07.

## Furlanetto Selected for Trumpler Award

July 2 2006 - **Steve Furlanetto**, former DuBridge Prize Fellow and now a visiting associate in physics, has been selected to receive the Astronomical Society of the Pacific's Robert J. Trumpler Award, which is "given each year to a recent recipient of the PhD degree in North America whose research is considered unusually important to astronomy." An assistant professor at Yale University, Furlanetto received his PhD from Harvard in 2003.

## Hall Receives Guggenheim

July 2 2006 - **Judith Hall**, lecturer in creative writing, has received a 2006 Guggenheim Fellowship. Associated with Caltech since 1999, Hall is a widely published poet, the author of several books, and the poetry editor for the *Antioch Review*. Her fellowship will support the composition of a new book. "Granted in diverse subjects, from the natural sciences to the creative arts," Guggenheim Fellowships "are awarded on the basis of distinguished achievement in the past and exceptional promise for future accomplishment."

## Jennings Chosen for Housner Medal

July 2 2006 - **Paul Jennings**, provost and professor of civil engineering and applied mechanics, has been chosen to receive the George W. Housner Medal, the most prestigious award bestowed by the Earthquake Engineering Research Institute. Named in honor of Caltech's Braun Professor of Engineering, Emeritus, the award recognizes "extraordinary and lasting contributions to public earthquake safety." Jennings has been a member of Caltech's faculty since 1965, and has held a number of administrative positions during his career, including as chair of the engineering and applied science division, and a prior stint as provost.

## Marsden Elected to Royal Society

July 2 2006 - **Jerrold Marsden**, Braun Professor of Engineering and Control and Dynamical Systems, has been named a Fellow of the Royal Society, which cites "his fundamental contributions to a very wide range of topics," including plasma physics, general relativity, and solar-system mission design. He has been a professor at Caltech since 1995 and was named Braun Professor in 2003. Established in England in 1660, the Royal Society is the world's oldest scientific academy in continuous existence and has counted Isaac Newton, Charles Darwin, and Albert Einstein among its members.

## GSC Honorees Named

July 2 2006 - **Professor Marsden** has also received the 2006 Graduate Student Council Mentoring Award. **Robert Sherman**, professor of economics and statistics, received the GSC Teaching Award, and **Ryan Turner**, graduate student in chemical engineering, the award for teaching assistant.

## Barton Receives Gibbs Award

June 4 2006 - **Jacqueline Barton**, Hanisch Memorial Professor and professor of chemistry, received the 2006 Willard Gibbs Award at a dinner hosted by the Chicago section of the American Chemical Society on May 12; she is the second woman to have received the honor in its 95-year history, the first having been Marie Curie. She and **Peter Dervan**, Bren Professor of Chemistry, who won the award in 1993, are the first husband and wife to have received the honor. Barton was cited for her "major impact on the understanding of the molecular chemistry of DNA and its relevance to the development of a variety of diseases and inherited abnormalities . . . Her work is elegant, vitally important work that has been widely recognized for its novelty and significance."

## Elachi Decorated in Lebanon

June 4 2006 - **Charles Elachi**, Caltech vice president, director of the Jet Propulsion Laboratory, and professor of electrical engineering and planetary science, in May received the Order of the Cedars, officer grade, from Émile Lahoud, president of Lebanon. Elachi's return to his native country included, among numerous events, a visit to Saint Joseph University's Ain Saade campus before

the medal ceremony and giving a lecture at the American University of Beirut on "The Challenges and Excitement of Space Exploration."

### **Braginsky Elected NAS Foreign Associate**

May 21 2006 - **Vladimir Braginsky**, visiting associate in physics, has been elected a foreign associate of the National Academy of Sciences. Incorporated in 1863, the NAS's mandate is to "investigate, examine, experiment, and report upon any subject of science or art" whenever asked by any government department. Election to the academy is considered one of the highest U.S. honors in science and engineering.

### **Mark Davis Elected to NAS**

May 21 2006 - **Mark Davis**, Schlinger Professor of Chemical Engineering, has been elected a member of the National Academy of Sciences. An honorific society incorporated in 1863, the NAS is "dedicated to the furtherance of science and technology and to their use for the general welfare." Election to the academy is considered one of the highest U.S. honors in science and engineering.

### **Lester Elected to American Academy**

May 21 2006 - **Henry Lester**, Bren Professor of Biology, has been elected to the American Academy of Arts and Sciences. Founded in 1780 by John Adams, John Hancock, and other scholar-patriots, the academy undertakes "projects and studies that advance the public good." Other 2006 fellows include former presidents George H. W. Bush and Bill Clinton, director Martin Scorsese, and conductor Michael Tilson Thomas.

### **Anneila Sargent Elected to American Academy**

May 21 2006 - **Anneila Sargent**, Rosen Professor of Astronomy and director of the Owens Valley Radio Observatory, has been elected to the American Academy of Arts and Sciences. Founded in 1780 by John Adams, John Hancock, and other scholar-patriots, the academy undertakes "projects and studies that advance the public good." Past fellows and foreign honorary members include George Washington, Benjamin Franklin, Albert Einstein, and Winston Churchill.

### **Steidel Elected to NAS**

May 21 2006 - **Charles Steidel**, DuBridge Professor of Astronomy, has been elected a member of the National Academy of Sciences. Signed into being by Abraham Lincoln in 1863, the NAS is called upon "to act as an official adviser to the federal government, upon request, in any matter of science or technology." Election to the academy is considered one of the highest U.S. honors in science and engineering.

### **Tirrell Elected to NAS**

May 21 2006 - **David Tirrell**, McCollum-Corcoran Professor, professor of chemistry and chemical engineering, and chair of the Division of Chemistry and Chemical Engineering, has been elected a member of the National Academy of Sciences. Incorporated in 1863, the NAS provides to the nation's leaders "advice on the scientific and technological issues that frequently pervade policy decisions." Election to the academy is considered one of the highest U.S. honors in science and engineering.

### **Benzer Receives \$500,000 Award**

May 7 2006 - **Seymour Benzer**, Boswell Professor of Neuroscience, Emeritus, has been selected to receive the \$500,000 Albany Medical Center Prize in Medicine and Biomedical Research. The prize, widely considered second only to the Nobel Prize in Physiology and Medicine, recognizes "extraordinary and sustained contributions to improving health care and promoting biomedical research."

### **Bockrath Named Sloan Fellow**

May 7 2006 - **Marc Bockrath**, assistant professor of applied physics, has been selected by the Alfred P. Sloan Foundation to receive a Sloan Research Fellowship. Established in 1955, the fellowships are awarded "to stimulate fundamental research by early-career scientists and scholars of outstanding promise."

### **Candes Chosen for Waterman Award**

May 7 2006 - **Emmanuel Candes**, professor of applied and computational mathematics, has been chosen to receive the National Science Board's Alan T. Waterman Award, the highest honor bestowed by the National Science Foundation. Comprising a medal and a grant of \$500,000 over a three-year period, the annual award recognizes "an outstanding young researcher in any field of science or engineering" supported by the NSF.

### **Corngold Named for Compton Award**

May 7 2006 - **Noel Corngold**, professor of applied physics, emeritus, has been named the recipient of the American Nuclear Society's 2006 Arthur Holly Compton Award, which consists of a plaque and a monetary award of \$2,000 to both the recipient and the recipient's academic institution. Corngold is being recognized "for the profound impact his seminal research and writings have had on nuclear engineering, his exemplary standards of scientific excellence, and his nurturing in his students the qualities that have enabled them to become leaders of the nuclear community."

### **Kimble to Give Haus Lecture**

May 7 2006 - **Jeff Kimble**, Valentine Professor and professor of physics, has been invited to give the second Hermann Anton Haus

Lecture, speaking on "The New Science of Quantum Information: From Quantum Computers to Teleportation of Quantum States" at MIT's Research Laboratory of Electronics (RLE). The Haus Lecture is "RLE's visiting lecturer program designed to bring the leading world researchers in fields intersecting RLE interests to RLE to share their thoughts and perspectives with the MIT community."

### **Murray Selected for Feynman Prize**

May 7 2006 - **Richard Murray**, Everhart Professor of Control and Dynamical Systems and director of information science and technology, has been awarded the Richard P. Feynman Prize for Excellence in Teaching. Caltech's most prestigious teaching honor, the prize comes with a \$3,500 cash award plus an equivalent raise in annual salary. The Feynman Prize Selection Committee singled out Murray for his "enthusiasm, responsiveness, and innovation" in the classroom and his "contribution to the undergraduate experience through teaching outside the conventional classroom."

### **Baltimore AAAS President-Elect**

April 2 2006 - **David Baltimore**, president of Caltech and Nobel laureate, has been chosen to serve as president-elect of the American Association for the Advancement of Science beginning February 21, at the close of the 2006 annual AAAS meeting, and will begin his one-year term as president in February 2007. President of Caltech since 1997, Baltimore is also chairman of the National Institutes of Health AIDS Vaccine Research Committee.

### **Golwala Receives DOE Award**

April 2 2006 - **Sunil Golwala**, assistant professor of physics, has received a Department of Energy Outstanding Junior Investigator Award in High Energy Physics. Equivalent to an NSF CAREER award, the honor is intended "to identify exceptionally talented new high energy physicists early in their careers, and to assist and facilitate the development of their research programs."

### **Kennedy Honored by IPSEN Foundation**

April 2 2006 - **Mary Kennedy**, Davis Professor of Biology, has been selected as a corecipient of the IPSEN Foundation Prize in Neuroplasticity, with Morgan Sheng of MIT and Eckard Gundelfinger of the Leibniz Institute for Neurobiology, for "studies of synaptic protein complexes in neuroplasticity."

### **MacMillan Chosen for Thieme-IUPAC Prize**

April 2 2006 - **David MacMillan**, Anthony Professor of Chemistry, has been named the recipient of the 2006 Thieme-IUPAC Prize. Consisting of 5,000 euros, the prize is awarded every two years to a scientist under 40 years of age "whose research has had a major impact on the field of synthetic organic chemistry." MacMillan will be presented with the prize and will give a lecture on June 13 at the International Conference on Organic Synthesis in Mérida, Mexico.

### **Murray Named Everhart Professor**

April 2 2006 - **Richard Murray** has been named the Thomas E. and Doris Everhart Professor of Control and Dynamical Systems, effective March 1. A member of Caltech's faculty since 1991, he served as chair of engineering and applied science from 2000 to 2005. His research focuses on dynamics and feedback in information, mechanical, and biological systems.

### **Simon Invited as Porter Lecturer**

April 2 2006 - **Barry Simon**, IBM Professor of Mathematics and Theoretical Physics, has been invited to give the 2006-07 Milton Brockett Porter Lectures at Rice University. He will present the series of five lectures from September 10 to 21 on topics of his own choosing and will have the opportunity to prepare a manuscript for publication by Princeton University Press.

### **Postdoc Awarded Lectureship**

March 5 2006 - **Nicole Bell**, Sherman Fairchild Postdoctoral Scholar in Physics, has been awarded the Michelson Postdoctoral Prize Lectureship by Case Western Reserve University. The prize includes an invitation to spend a week at Case Western and present a colloquium and three seminars to the university's physics department.

### **Professor Receives L'ORÉAL-UNESCO Honor**

March 5 2006 - **Pamela J. Bjorkman**, Delbrück Professor of Biology, executive officer for biology, and full investigator with the Howard Hughes Medical Institute, has been selected as the 2006 North American winner of the L'ORÉAL-UNESCO for Women in Science Award in recognition of her leadership and her research contributions. The award ceremony was held at UNESCO national headquarters in Paris on March 2.

### **Chemistry Prize Valued at 25,000 Euros**

March 5 2006 - **Harry Gray**, Beckman Professor of Chemistry and founding director of the Beckman Institute, has been chosen by the Italian Chemical Society to receive the Premio Città di Firenze sulle Scienze Molecolari (City of Florence Prize on Molecular Sciences) in honor of his contributions to scientific progress. The prize, which has a value of 25,000 euros, will be awarded in Florence on March 20.

### **March of Dimes Honors Professor**

March 5 2006 - **Alexander Varshavsky**, Smits Professor of Cell Biology, has been awarded the 2006 March of Dimes Prize in Developmental Biology. He is being honored "for revealing and characterizing the biological significance of the ubiquitin system in the

regulation of living cells." The recipient of numerous awards for his role in the discovery of ubiquitin, Varshavsky earned his BS from Moscow State University in 1970 and his PhD from the Institute of Molecular Biology in 1973. He has been Smits Professor at Caltech since 1992.

### Archives Receive Grant

February 5 2006 - **Judith Goodstein**, university archivist and faculty associate in history, and the **Institute Archives** have received a grant of \$7,500 from the American Institute of Physics to process the papers of **Murray Gell-Mann**, Nobel laureate and Millikan Professor of Theoretical Physics, Emeritus. Goodstein came to Caltech in 1968 as archivist, and she served as registrar from 1989 to 2003 as well as lecturer in history for several years. She received her BA from Brooklyn College in 1960 and her PhD from the University of Washington in 1969.

### Postdoc Honored for Dissertation

February 5 2006 - **Elissa Hallem**, postdoctoral scholar in biology, has received a 2005 Council of Graduate Schools (CGS)/UMI Distinguished Dissertation Award for her dissertation "The Role of Odorant Receptors in Odor Coding." Sponsored by the dissertation publisher UMI, its winners selected by CGS, and considered to be the nation's most prestigious honor for doctoral dissertations, the award is in its 24th year of recognizing "doctoral scholars who contribute exceptionally to their fields." Hallem completed her doctorate at Yale University last year.

### Professor Wins Astronomy Prize

February 5 2006 - **Re'em Sari**, associate professor of astrophysics and planetary science, has been selected by the American Astronomical Society to receive the Helen B. Warner Prize for Astronomy. Given to young astronomers under 36 or within eight years of receiving their PhD, the prize is awarded "for a significant contribution to observational or theoretical astronomy during the five years preceding the award." It includes a cash award and an invitation to present a paper.

### Honorary Fellowship Bestowed

February 5 2006 - **Barry Simon**, IBM Professor of Mathematics and Theoretical Physics, has been awarded an honorary fellowship by the University of Wales Swansea. The degree ceremony will be held at the Brangwyn Hall, Swansea, during the week of July 17-21. The honorary fellowships were established in 1985 as a special honor for persons "who have attained high distinction in their chosen field."

### Professor Receives Philosophy Award

February 5 2006 - **James Woodward**, Koepfli Professor of the Humanities, has been named winner of the 2005 Lakatos Award in Philosophy of Science by the London School of Economics (LSE), for his book *Making Things Happen: A Theory of Causal Explanation* (Oxford University Press, 2003). Endowed by the Latsis Foundation, the £10,000 award is given in memory of former LSE professor Imre Lakatos to honor an outstanding contribution to the philosophy of science.

### Yuk Yung Elected a Fellow of AAAS

January 4 2006 - **Yuk Yung**, professor of planetary science, has been elected a fellow of the American Association for the Advancement of Science in recognition of his contributions to science. His research focuses on the current chemical state of Earth's upper atmosphere, on describing current chemistry and radiative transfer in planetary atmospheres, and on the processes that have governed the evolution of atmospheres in the solar system.

### Mitchio Okumura Elected a Fellow of AAAS

January 4 2006 - **Mitchio Okumura**, professor of chemical physics, has been elected a fellow of the American Association for the Advancement of Science in recognition of his "groundbreaking applications of laser spectroscopy, kinetics, and experimental molecular dynamics" to problems in atmospheric chemistry.

### Michael Gurnis Named Smits Professor of Geophysics

January 4 2006 - **Michael Gurnis** has been named the John E. and Hazel S. Smits Professor of Geophysics. He joined Caltech as associate professor of geophysics in 1994, becoming professor in 1996. He served as associate director of the Seismological Laboratory from 1995 to 2003, and is currently working in the area of interpreting seismological observations.

### Out of Gas is a Finalist for the National Academies Communication Award

January 4 2006 - **David Goodstein**, Caltech's vice provost, professor of physics and applied physics, and Gilloon Distinguished Teaching and Service Professor, has had his book *Out of Gas: The End of the Age of Oil* (New York: W. W. Norton & Company, 2004) selected by the National Academies Keck Futures Initiative as one the two finalists for the National Academies Communication Award in the book category.

### Hans Hornung Elected a Fellow of AAAS

January 4 2006 - **Hans Hornung**, Johnson Professor of Aeronautics, Emeritus, has been elected a fellow of the American Association for the Advancement of Science in recognition of his "distinguished contributions to fluid mechanics, particularly in Mach reflection, the effects of dissociation in gas dynamics, in separated flows, and in wind tunnel technology."

### Tracey Ho named one of the nation's top 35 innovators under age 35

January 4 2006 - **Tracey Ho**, assistant professor of electrical engineering, has been named one of the nation's top 35 innovators under age 35 by MIT's *Technology Review* magazine. The honor recognizes her contributions to electrical engineering and computer science. She received her bachelor's degree from MIT in 1999 and her PhD in 2004, and she joined Caltech that same year as assistant professor.

#### **David MacMillan a Corecipient of the 2004 Corday-Morgan Medal and Prize**

December 20 2005 - **David MacMillan**, Anthony Professor of Chemistry, has been named a corecipient of the 2004 Corday-Morgan Medal and Prize by the Royal Society of Chemistry. He has also been selected to receive the 2005 Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator.

#### **Stephen Mayo Awarded Outstanding Science Alumni Award**

December 20 2005 - **Stephen Mayo**, professor of biology and chemistry; associate investigator, Howard Hughes Medical Institute; and executive officer for biochemistry and molecular biophysics, has been awarded the Penn State Eberly College of Science 2005 Outstanding Science Alumni Award. "The Outstanding Science alumni Awards are presented annually to recognize and reward outstanding Penn State alumni for their success as leaders in science and for the impact they have had and will continue to have on society and their professions." Mayo received his BS from Penn State in 1983 and his PhD from Caltech in 1987.

#### **Athanassios Siapas Received a McKnight Scholar Award**

December 20 2005 - **Athanassios Siapas**, assistant professor of computation and neural systems, has received a McKnight Scholar Award to support his work in "Cortico-Hippocampal Interactions and Memory Formation." Granted by the McKnight Endowment Fund for Neuroscience "for innovative research in neuroscience as it pertains to memory and, ultimately, to a clearer understanding and treatment of diseases affecting memory," the award will provide \$225,000 over the next three years.

#### **Paul Patterson Named Biaggini Professor of Biological Sciences**

December 20 2005 - **Paul Patterson** has been named the Anne P. and Benjamin F. Biaggini Professor of Biological Sciences. A professor of biology at Caltech since 1983, he served as executive officer for neurobiology from 1989 to 2000. His research currently focuses on the overlap of and interaction between the nervous and immune systems.

#### **Judith Cohen Named Page Professor of Astronomy**

December 20 2005 - **Judith Cohen** has been named the Kate Van Nuys Page Professor of Astronomy. She joined Caltech's faculty as an associate professor of astronomy in 1979, becoming professor in 1988 and serving as executive officer for astronomy from 1995 to 1996. She is currently working on a large survey of extremely metal-poor stars in the halo of our galaxy.

#### **Mory Gharib Elected a Fellow of the American Institute for Medical and Biological Engineering**

December 20 2005 - **Mory Gharib**, Liepmann Professor of Aeronautics and Bioengineering, has been elected a fellow of the American Institute for Medical and Biological Engineering, in recognition of his "many distinguished contributions to the field" as well as his "demonstrated interest, concern and involvement with critical issues affecting medical and biological engineering."

#### **Keith Taylor Given Royal Astronomical Society Medal**

December 20 2005 - **Keith Taylor**, a member of the professional staff in astronomy, was awarded the Royal Astronomical Society's Jackson-Gwilt Medal, the society's premier award for instrumentalists. The honor recognizes "the pivotal role he has played in developing world-class instrumental facilities for UK astronomers. The instruments he has built and commissioned have inspired a new generation of observers and have been responsible for major discoveries in optical astronomy." He came to Caltech after a distinguished career with the Royal Greenwich Observatory and the Anglo-Australian Observatory, and is best known for his role, as project scientist and then project manager, in the Two-degree Field (2dF) project, which has identified the redshift values for over 250,000 galaxies and 20,000 quasars.

#### **Brian Stoltz Received the 2006 Arthur C. Cope Scholar Award**

December 20 2005 - **Brian Stoltz**, assistant professor of chemistry, has been selected by the American Chemical Society to receive the 2006 Arthur C. Cope Scholar Award, in recognition of his contributions to the field of organic chemistry.

#### **Fred Anson Received the Hans Fischer Career Award in Porphyrin Chemistry**

December 20 2005 - **Fred Anson**, Gilloon Professor of Chemistry, Emeritus, has received the Hans Fischer Career Award in Porphyrin Chemistry from the Society of Porphyrin and Phthalocyanines, in recognition of his achievements in the field of chemistry.

#### **David Baltimore Received an Honorary Doctor of Science Degree from Harvard University**

December 20 2005 - **David Baltimore**, president of Caltech and a Nobel laureate, received an honorary doctor of science degree from Harvard University at the school's 354th commencement ceremony. President of Caltech since 1997, Baltimore is also chairman of the National Institutes of Health AIDS Vaccine Research Committee. He shared the Nobel Prize in physiology or medicine in 1975-- for identifying the enzyme reverse transcriptase, which synthesizes DNA from RNA and plays a role in the development of cancer-- and received the National Medal of Science in 1999. He is also a professor of biology at Caltech.

