A Celebration of Faculty Achievement

Fall 2007
A CELEBRATION OF FACULTY ACHIEVEMENT

Fall 2007
Each year, University of Colorado at Boulder faculty receive a wide range of awards, fellowships, and honors, from community service recognitions to national teaching honors to international research awards. Some, granted at the campus level, enable faculty to recognize their peers or students to honor their teachers. Others, such as the four Nobel Prizes or the seven MacArthur Fellow “genius grants” held by our colleagues, are the highest national and international recognitions granted to researchers, scholars, and artists.

To list all of the awards our faculty have received would require a hefty volume. This publication contains a sampling of the many awards our faculty have received, including individuals who have become full professors, received tenure or campus fellowships, become CU-Boulder Distinguished Faculty or President’s Teaching Scholars, or gained membership in prestigious honorary academic societies.

We hope this summary gives you a snapshot of our truly distinguished faculty—a community of scholars dedicated to educating their students, serving the greater good, and furthering the pursuit and dissemination of knowledge.

Philip P. DiStefano
Provost and Executive Vice Chancellor for Academic Affairs
**Tenure Recipients**
*(effective August 2007)*

Kwasi Ampene, Music
Phil J. Armitage, Astrophysical and Planetary Sciences; JILA
Vanessa Baird, Political Science
Rajagopalan Balaji, Civil, Environmental, and Architectural Engineering
Robert T. Batey, Chemistry and Biochemistry
Lorilai Biernacki, Religious Studies
Jeanne Nielsen Clelland, Mathematics
John Crimaldi, Civil, Environmental, and Architectural Engineering
Jeffrey Deshell, English
Richard Green, Mathematics
Robert Guralnick, Ecology and Evolutionary Biology; University Museum
Richard Y. Han, Computer Science
Mathew Hayward, Business
Joseph H. Jupille, Political Science
Timothy Kuhn, Communication
Kai Larsen, Business
Suzanne Magnanini, French and Italian
Terra McKinnish, Economics
Kamran Mohseni, Aerospace Engineering Sciences
Stephen J. Mojzsis, Geological Sciences
Nathalie Moyen, Business
Greg Odorizzi, Molecular, Cellular, and Developmental Biology
Onye Ozuzu, Theatre and Dance
Cecilia Pang, Theatre and Dance
Scott R. Peppet, Law
Andrew J. Phillips, Chemistry and Biochemistry
Rafael Piestun, Electrical and Computer Engineering
Reiland Rabaka, Ethnic Studies
Carolyn Ramsey, Law
John-Michael Rivera, English
Yumi Janairo Roth, Art and Art History
Amy J. Schmitz, Law
Sara Steen, Sociology
Gregory Tucker, Geological Sciences; Cooperative Institute for Research in Environmental Sciences
Ahmed White, Law

**Promotions to Full Professor**
*(effective August 2007)*

Julio Baena, Spanish and Portuguese
Daniel S. Dessau, Physics
Ruben Donato, Education
Shemin Ge, Geological Sciences
Martha Hanna, History
Kent Hutchison, Psychology
Keith A. Kearnes, Mathematics
Janette Klingner, Education
Steve Lekson, Anthropology
Congming Li, Applied Mathematics
James H. Martin, Computer Science
Patrick Mason, Music
Dayna Matthew, Law
Yuko Munakata, Psychology
Robert Pasnau, Philosophy
John Pitlick, Geography
Phil Shane, Business
Mark Whisman, Psychology
Ding Xue, Molecular, Cellular, and Developmental Biology
CU-Boulder Distinguished Professors

2007 Recipients

The University of Colorado extends the title of “distinguished professor” to recognize the outstanding contributions of faculty members to their academic disciplines. This title signifies a select group of faculty members who are leaders in their respective fields as attested to by national or international recognition and/or their significant public service achievements.

Andrzej Ehrenfeucht
Computer Science

An expert in the theoretical aspects of computer science, Professor Ehrenfeucht has played an influential role in one of the most important and potentially beneficial achievements in the history of science—the mapping of the human genetic code, or genome. He was among the first computer scientists to collaborate with biologists on the genome, creating important new applications for computer science research and encouraging researchers to work across disciplines. In the 1980s, his research group laid the foundation for new mathematical methods to analyze DNA sequences, and two of his students went on to lead the research groups that successfully decoded the genome—unlocking the door to new genetic research that could revolutionize the treatment of hereditary diseases such as cystic fibrosis, hemophilia, muscular dystrophy, and sickle cell anemia. A member of the European Academy of Sciences, Ehrenfeucht earned his PhD from the Mathematical Institute of P.A.N., Warsaw, and in recent years has received the Faculty Research Award from the College of Engineering and Applied Science and the Boulder Faculty Assembly Excellence in Research, Scholarly, and Creative Work Award.

James R. Markusen
Economics

Professor Markusen’s research has changed the way economists and business scholars approach the theory of international trade and foreign direct investment, from simple movements of international capital to complex transactions that support global corporate strategies. His work focuses on analyses of imperfect competition, increasing returns to scale, and multinational corporations—particularly the location, production, and welfare effects of large-scale firms. His impressive list of publications features five books, including the influential Multinational Firms and the Theory of International Trade, published by MIT Press in 2002. Some of his writings have become the foundation for aspects of international trade theory and analysis, earning him a reputation among his peers as a world-renowned international trade economist. Since coming to CU-Boulder, he has served as the economics department chair, the co-editor of the Journal of International Economics, a National Bureau of Economic Research research associate, and a Centre for Economic Policy Research fellow. He also received the Boulder Faculty Assembly Excellence in Research, Scholarly, and Creative Work Award in 1997.
CU-Boulder Distinguished Professors

Linda R. Watkins
Psychology

Professor Watkins’s research has the potential to dramatically improve the quality of life for chronic pain sufferers around the world. A University of Colorado President’s Teaching Scholar and director of the Interdepartmental Neuroscience PhD Program, Watkins seeks new methods to control and manage the neurological processes involved with pain, focusing on the role of glial cells—nervous system cells that have long been ignored—as the primary pathway for the chronic pain response. Her research aims both to understand how glial cells activate chronic pain and to develop clinical therapies to help control it. In this pursuit, she is currently collaborating through the university’s Technology Transfer Office to develop new drug-based pain treatments with the company Avigen, Inc. A prolific scholar, Watkins has authored or co-authored over 190 book chapters, review articles, and journal articles. She has also received career awards from the National Institutes of Health and National Institute for Mental Health, and has earned numerous research grants from the National Institute for Neurological Diseases and Stroke, and National Institute for Drug Abuse.

Active Distinguished Professors
Frank S. Barnes, Electrical and Computer Engineering
Roger G. Barry, Geography; Cooperative Institute for Research in Environmental Sciences
Marvin Caruthers, Chemistry and Biochemistry
Thomas Cech, Chemistry and Biochemistry
Margaret A. Eisenhart, Education
Delbert S. Elliott, Institute of Behavioral Science
Barbara Engel, History
Richard Jessor, Psychology; Institute of Behavioral Science
Carl Lineberger, Chemistry and Biochemistry; JILA
Steven Maier, Psychology
Allan McMurray, Music
Jane Menken, Sociology; Institute of Behavioral Science
Carl Wieman, Physics; JILA
Charles F. Wilkinson, Law
William B. Wood, Molecular, Cellular, and Developmental Biology

Retired Distinguished Professors
Hazel E. Barnes, Philosophy
Stanley Cristol, Chemistry and Biochemistry
Stephen Fischer-Galati, History
Fred Glover, Business
Robert L. Linn, Education
Richard McCray, Astrophysical and Planetary Sciences
J. Richard McIntosh, Molecular, Cellular, and Developmental Biology
Marjorie K. McIntosh, History
David Prescott, Molecular, Cellular, and Developmental Biology
Wolfgang Schmidt, Mathematics

Deceased Distinguished Professors
Kenneth Boulding, Economics
James S. (Stan) Brakhage, Film Studies
Stuart Cook, Institute of Behavioral Science
David Hawkins, Philosophy
Keith R. Porter, Molecular, Cellular, and Developmental Biology
Gilbert White, Geography

Faculty Fellowships Awarded

2007-08 academic year

Faculty Fellowships were created to acknowledge research excellence and to allow faculty to devote a year to research projects. The fellowships are highly competitive and are based on the applicant’s proposal, professional record, and the likelihood that the applicant’s research will result in significant contributions to academia and society.

Timothy Curran, Psychology
Katherine Eggert, English
Nan Goodman, English
Carl Lineberger, Chemistry and Biochemistry; JILA
Stephen J. Mojzsis, Geological Sciences
Tad Pfeffer, Civil, Environmental, and Architectural Engineering; Institute for Arctic and Alpine Research
Robert D. Schulzinger, History
Anne Sheehan, Geological Sciences; Cooperative Institute for Research in Environmental Sciences
David W. Stock, Ecology and Evolutionary Biology
Luis Valdivino, Art and Art History
Mahesh Varanasi, Electrical and Computer Engineering
Mark Winem, Molecular, Cellular, and Developmental Biology
Shijie Zhong, Physics

Provost Faculty Achievement Awards

These annual awards are presented to faculty nominated by their deans in recognition of a particular piece of research, scholarship, or creative work. Each awardee receives a research grant recognizing their achievement.

FALL 2007
Assistant Professors
Jason Boardman, Sociology
Jose Jimenez, Chemistry and Biochemistry; Cooperative Institute for Research in Environmental Sciences
Jay Keister, Music
David Klaus, Aerospace Engineering
Soo Rhee, Psychology

Associate Professors
Linnea Avallone, Atmospheric and Oceanic Sciences; Laboratory for Atmospheric and Space Physics
David Boonin, Philosophy
Tim Brown, Electrical and Computer Engineering
Karen Jacobs, English
David Korevaar, Music
Randall O'Reilly, Psychology
President’s Teaching Scholars at CU-Boulder

2007 Scholars

The program, established as a University of Colorado presidential initiative, is designed to honor and reward faculty who have excelled in teaching, scholarship, and research and to endorse teaching excellence throughout the university.

ACTIVE SCHOLARS

Brian Argrow, Aerospace Engineering Sciences
Daniel Barth, Psychology
Martin Bickman, English
Douglas Burger, English
Lee V. Chambers, History
Anne Costain, Political Science
Alexander Cruz, Ecology and Evolutionary Biology
James H. Curry, Applied Mathematics
Michael Eisenberg, Computer Science
John L. Falconer, Chemical and Biological Engineering
Michael Grant, Ecology and Evolutionary Biology
Clayton Lewis, Computer Science
Ronald Melicher, Business
Wesley Morriston, Philosophy
James Palmer, Film Studies
Ed Rivers, English
Harvey Segur, Applied Mathematics
J. Michael Shull, Astrophysical and Planetary Sciences
James (Jim) Symons, Theatre and Dance
Dennis Van Gerven, Anthropology
Linda R. Watkins, Psychology
Marianne Wesson, Law
Carl Wieman, Physics; JILA
Shelby A. Wolf, Education

RETIRED SCHOLARS

Jack Kelso, Anthropology
Dale Meyer, Business
David M. Prescott, Molecular, Cellular, and Developmental Biology
Norton Steuben, Law
John R. Taylor, Physics
Klaus Timmerhaus, Chemical and Biological Engineering

DECEASED SCHOLARS

Nancy K. Hill, Humanities
Robert Pois, History
CU-Boulder Faculty Awards

2006–07 Recipients

HAZEL BARNES PRIZE
The $20,000 Hazel Barnes Prize is the largest single faculty award funded by the university. It was established in 1991 by former Chancellor James Corbridge in honor of philosophy Professor Emerita Hazel Barnes to recognize the enriching interrelationship between teaching and research.

Margaret Tolbert
Professor, Chemistry and Biochemistry

A CU-Boulder faculty member since 1991, Professor Tolbert has involved both undergraduate and graduate students in her groundbreaking work on the processes involved in atmospheric ozone destruction. Her teaching and research focuses on polar stratospheric clouds, or PSCs, which form 12 to 20 miles above Earth’s poles each winter and provide surfaces where the chemical reactions linked to ozone destruction occur. Her pioneering work linking chemical reactions on the surfaces of PSCs to the formation and activity of ozone-gobbling chlorine molecules in the atmosphere has led to numerous awards and recognitions, including the Newcomb Cleveland Prize from the American Association for the Advancement of Science; a Guggenheim Fellowship; the Boulder Faculty Assembly Excellence in Research, Scholarly, and Creative Work Award; and a prestigious National Science Foundation Young Investigator award. In 2004, she was elected to the National Academy of Sciences for her work on PSCs and sulfuric acid aerosols and their implications for the Antarctic ozone hole. In addition, 15 of her students have won prestigious NASA and Environmental Protection Agency fellowships in recent years.

ROBERT STEARNS AWARD
Given by the CU Alumni Association, the Robert Stearns Award recognizes faculty for outstanding teaching, extraordinary service, exemplary work with students, significant research, and/or off-campus service to the community.

Daniel Baker
Institute Director, Laboratory for Atmospheric and Space Physics; Professor, Astrophysical and Planetary Sciences

Professor Baker researches the effects of Earth’s magnetic field on the functioning of orbiting spacecraft for the purpose of improving satellite performance. Aspects of his work include the analysis of satellite data, understanding the nature of solar wind and magnetospheric energy relative to satellite performance, and creating models that describe the possible role of heavy ions in the creation of magnetic field instabilities. Much of his recent work focuses on understanding and demonstrating how disturbances in Earth’s magnetic field contribute to the operational challenges of near-Earth spacecraft like satellites. He is also pursuing new ways to use computer systems and networks to enhance the acquisition, dissemination, and display of spacecraft data. In recognition of his important work, he has received four NASA Group Achievement Awards; served on the National Academy of Sciences Space Science Board; and participated in many space science missions, including Pioneer 10 and 11, SAMPEX, POLAR, CLUSTER, and IMEX.

Polly McLean
Associate Professor, Journalism and Mass Communication

Associate Professor McLean teaches courses in media theory, culture, and society. Originally from Trinidad and Tobago, she received her PhD from the University of Texas at Austin and has lived and conducted research in Grenada, Swaziland, Zambia, Namibia, and the United States. Her primary research interests are in the areas of media and culture, race/ethnicity, popular music and society, population and communication, and international development communication as it pertains to Africa. She has vast international experience in applied research, having worked as a consultant for UNESCO, USAID, the Academy for Educational Development, and Pathfinder International. Since coming to CU-Boulder, she has served as chief technical adviser to the government of Swaziland in development communication and to the Family Life Association of Swaziland in reproductive health information, education, and communication. In 1999 and 2000, she was awarded a Fulbright Fellowship to the University of Namibia in teaching pedagogy and curriculum development in media studies. She has taught at Howard University; the University of Zambia, Lusaka; and the University of Namibia, Windhoek. At CU-Boulder she is an affiliated faculty member with the Honors Program and the Women and Gender Studies Program.

Uriel Nauenberg
Professor, Physics

Professor Nauenberg received both his bachelor’s degree and PhD from Columbia University. His research focuses on the fundamental interactions of particles to understand, at a basic level, how the world we live in was formed at the time of the Big Bang. Nauenberg has often involved his students, both undergraduate and graduate, in his research projects. His doctoral students hold significant positions at the Stanford Linear Accelerator Center, Lawrence Livermore Laboratories, and York University in Toronto. He has been named “Outstanding Physics Professor” three times, has served in numerous faculty governance positions during his CU-Boulder career, and is the current chair of the Boulder Faculty Assembly, having previously served a term as chair in 2002–03. In addition, Professor Nauenberg is a fellow of the American Physical Society and a member of the American Association for the Advancement of Science. Before joining the physics department at CU-Boulder, he taught at Princeton University.
Boulder Faculty Assembly Awards

Each year the Boulder Faculty Assembly presents up to 12 awards for faculty excellence. The awards are broken into three categories—teaching; service; and research, scholarly, or creative work—encouraging faculty members to nominate their colleagues for achieving outstanding results in the classroom, in the community, and in their chosen disciplines.

Boulder Faculty Assembly Excellence in Teaching Award

Noah Finkelstein
Assistant Professor, Physics

Assistant Professor Finkelstein focuses his efforts on researching and applying innovative teaching methods to physics education, including the use of interactive “clicker” remote controls to enable students to send instant feedback on their understanding of lectures, creating computer simulations to illustrate difficult concepts for students, and employing undergraduates as learning assistants during classes. A dedicated educator, he has taught high school, community college, informal science programs at museums, and at the university. After receiving his PhD from Princeton University, he spent the following years developing programs in teacher preparation, pre-college science programs, community college partnerships, and undergraduate and graduate education. As a CU-Boulder professor, his passion for teaching has also led him to participate in a variety of professional organizations, including the American Physical Society’s Forum on Education, the Physics Education Research Leadership Organizing Council, the Physics Teacher Education Coalition Steering Committee, the CU-Boulder Alliance for Technology, Learning, and Society, and the Colorado Physics Teacher Education Coalition.

David Klaus
Assistant Professor, Aerospace Engineering

Assistant Professor Klaus teaches graduate and undergraduate aerospace engineering courses with an emphasis on human space flight. He is recognized for leading the creation and implementation of CU-Boulder’s Bioastronautics program, a unique academic offering among universities across the country, for which he received the American Institute of Aeronautics and Astronautics Rocky Mountain Section 2004 Educator of the Year Award. His professional background spans space shuttle life support systems, thermal numerical modeling, and advanced space suit testing and analysis. He earned his master’s and doctoral degrees at CU-Boulder and spent a postdoctoral year at the University of Bonn in Germany before returning to Boulder as the manager of payload mission operations for BioServe Space Technologies, where he was later named associate director of research for the BioServe center. Additionally, Klaus has twice been named a NASA astronaut candidate finalist and received the 2003 Young Investigator Award from the American Society for Gravitational and Space Biology.
Boulder Faculty Assembly Awards

Dale Mood  
*Professor, Integrative Physiology*

Professor Mood's professional expertise centers on the applications of measurement, evaluation, statistics, and research design in integrative physiology. He has shared his knowledge with students in nearly 30 different courses, ranging from small graduate courses to large lecture sessions. In his 37 years at CU-Boulder, he has played a role in more than 150 student-related projects, theses, and dissertation committees. A leader among his peers, Mood has served as department chair and as Associate Dean for Student Academic Affairs, and has also received both the Boulder Faculty Assembly Excellence in Service Award and the Robert Stearns Award. His recent publications include *Measurement and Evaluation in Human Performance* and *Sports and Recreational Activities for Men and Women*. In recognition of his academic work, he has been honored with the 1992 American Alliance for Health, Physical Education, Recreation, and Dance (AHPERD) Honor Award and a 2000 Honor Award from the AHPERD Measurement and Evaluation Council.

Boulder Faculty Assembly Excellence in Service Award

Anne Bliss  
*Senior Instructor, Program for Writing and Rhetoric*

As a CU-Boulder faculty member, Bliss was the first to design, develop, and implement a web-based core curriculum composition course, and in the intervening years has focused her work on studying and improving web-based writing curriculum for future users. She received her master's and doctoral degrees from CU-Boulder and is the coordinator for the Program for Writing and Rhetoric's English as a second language services. She received a Fulbright Fellowship to Chile in 2005 to develop assessment programs for bilingual education, and has since been invited by the Chilean federal government to return and provide additional assistance. She has also served as an English language instructor in China since 2002, primarily with Xian Jiaotong University.

Bud Coleman  
*Associate Professor, Theatre and Dance*

Associate Professor Coleman has chaired the Department of Theatre and Dance for several years and is recognized for consistently exceeding expectations as chair. He has been a member of the advisory committee for and co-director of the certificate program in lesbian, gay, bisexual, and transgender (GLBT) studies most of the years since the program's inception. He also serves on the Faculty Council GLBT Issues Committee, and has worked for 10 years as the entertainment co-coordinator of the Boulder County AIDS Project's Holiday Cabaret. He helped form the lesbian and gay focus group of the Association for Theatre in Higher Education, and has also been a respondent to 38 productions for the Kennedy Center American College Theatre Festival, encouraging college-level students to become better performers and theatre professionals.
Elisa Facio
Associate Professor, Ethnic Studies

Associate Professor Facio helped to establish Chicana studies as a valid field of inquiry and has been a member of the ethnic studies department since the 1990s. She serves on a number of organizations and committees at CU-Boulder and in Denver, and is also active in international efforts, for example taking nearly 100 CU-Boulder students to Cuba to participate in Havana's International Woman's Conference. She is the recipient of numerous research and teaching awards, including a National Institute of Mental Health fellowship, a National Institute of Aging postdoctoral fellowship, an American Sociological Association Minority Fellowship, and the Chicana Dissertation Fellowship at the University of California, Santa Barbara. Additionally, she was awarded a Rockefeller Fellowship hosted by Washington State University, Pullman, and has received a Boulder Faculty Assembly Excellence in Teaching Award.

David Rood
Professor, Linguistics

Professor Rood has played an instrumental role in developing the field of Native American linguistics, and his work has helped support communities in their efforts to document and revitalize their languages. He teaches courses on the Siouan and Caddoan Native American languages, on the field methods involved in obtaining linguistic data, and on the shape and form, or morphology, of language. He earned his PhD in linguistics from the University of California, Berkeley, and is one of three faculty members in CU-Boulder's Center for the Study of Indigenous Languages of the West, which is currently collaborating with CU's Minority Engineering Program to develop joint projects for Native American students in science, engineering, and computer science with language and cultural components. He is also editor emeritus of the *International Journal of American Linguistics*, the only scholarly journal dedicated to studies of Native American languages, where he works with native language speakers or descendents of speakers, graduate students, and researchers to improve their manuscripts for publication.

Barbara Demmig-Adams
Professor, Ecology and Evolutionary Biology

Professor Demmig-Adams received her PhD from the University of Würzburg, Germany, and was a postdoctoral fellow at the Department of Plant Biology, Carnegie Institution of Washington, in Stanford, California, from 1984 to 1986. She received the “Academy Award for Biology” from the Academy of Sciences at Göttingen, Germany, and was awarded a Fellowship in Science and Engineering from the David and Lucile Packard Foundation from 1992 to 1997. Demmig-Adams is considered one of the most influential researchers in the field of plant photosynthesis. Three of her papers have been cited more than 1,300 times in the primary literature. Her research on the xanthophylls cycle and energy dissipation in plants has been widely adopted in introductory texts in biology, and her recent work on the role of xanthophylls in human health is producing important insights into the functional role of dietary antioxidants against environmental stress in plants and humans.

Doug Gin
Professor, Chemical and Biological Engineering; Chemistry and Biochemistry

Professor Gin is engaged in pioneering research in the design and development of new structures of molecules, or polymers, that could potentially be used in a variety of innovative applications on the molecular level. His research group is creating new molecule-sized, or nanostructure, materials with enhanced functions using substances that share both liquid and solid properties, or liquid crystals, as starting materials. The group is also exploring new approaches to incorporating additional functional properties and capabilities onto different liquid crystal platforms. A CU-Boulder faculty member since 2001, Gin's research group has quickly achieved a significant breakthrough, becoming the first to demonstrate that functional organic nanomaterials can be developed by bonding together, or polymerizing, specific types of liquid crystal assemblies. His work on the formation of materials with controlled nanostructures has already been cited more than 800 times.
Boulder Faculty Assembly Awards

Paul Levitt
Professor, English
Spanning an academic career of over 40 years, Professor Levitt’s research and teaching interests include modern drama and fiction, creative writing, composition, and pedagogy. Since earning his PhD from the University of California, Los Angeles, he has built a diverse body of work, including essays and books of literary criticism, 20 plays for the stage and radio, nonfiction books, books for children, and five novels. His recent works include the novels *Come with Me to Babylon*, *The Saint Makers*, and *Dreams Bigger Than the Night*; the children’s book *Raven Finds the Daylight*; and *Vaudeville Humor: The Collected Jokes, Routines, and Skits of Ed Lowry*, which he edited. Levitt has been recognized with a variety of awards during his time at CU-Boulder, including a teacher recognition award, three faculty fellowships, and the prestigious University of Colorado Thomas Jefferson Award for contributions to the profession and service to the university.

Warren Motte
Professor, French and Italian
Professor Motte is considered the nation’s leading scholar of contemporary literature and particularly experimental fiction. He shows how the modern novel has put into question accepted notions of literary form. His work has not only brought him international scholarly recognition but has also captured the attention of contemporary writers themselves. Professor Motte received an AB in English literature from the University of Pennsylvania, a Maîtrise in Anglo-American literature from the Université de Bordeaux, and an AM and PhD in French literature from the University of Pennsylvania. He is the author of *The Poetics of Experiment: A Study of the Work of Georges Perec*, *Questioning Edmond Jabès, Playtexts: Ludics in Contemporary Literature*, and *Small Worlds: Minimalism in Contemporary French Literature*, and is the translator and editor of *Oulipo: A Primer of Potential Literature*. His most recent book is *Fables of the Novel: French Fiction Since 1990.*

The Herd Recognition Award
Each spring since 1962, students have voted for outstanding teachers in the only CU-Boulder faculty award chosen and administered by undergraduate students. The Herd, the student group of the CU-Boulder Alumni Association, conducts the award.

Janet DeGrazia, Senior Instructor, Chemical and Biological Engineering
Sally Elliot, Senior Instructor, Art and Art History
Brett King, Senior Instructor, Psychology
Ray MacFee, Senior Instructor, Business

OTHER CAMPUS AWARDS

KAYDEN BOOK AWARD
Named for Eugene M. Kayden, a 1912 CU-Boulder alumnus who went on to a distinguished career as a scholar and teacher of economics, the Kayden Book Award is open each year to CU-Boulder faculty in the humanities. Award recipients receive a research stipend, and their department receives a grant to organize a one-day author-meets-critics symposium on their award-winning book.

The Real History of Tom Jones
John Stevenson
Associate Dean, Graduate School; Associate Vice Chancellor for Graduate Education; Professor, English
Professor Stevenson was recognized this year for his book that brings new historical contexts to and offers new readings for Henry Fielding’s famous novel, *Tom Jones*. Reminding us that the novel is set during the final days of the Jacobite rebellion against the Hanoverian monarchy that led to the crushing defeat of the Stuarts’ supporters at Culloden, Stevenson shows how this timeless comic masterpiece achieves its power from taking on contemporary events, linking, for example, concerns about Tom’s legitimacy with arguments over the legitimacy of the reigning monarchs. This is a book that is revitalizing the study of this key novel. Also an award-winning teacher, Stevenson has spent his entire academic career at CU-Boulder, rising through the ranks to full professor, serving as chair of the English department, and directing the Farrand Residential Academic Program, the Program for Writing and Rhetoric, the Center for British Studies, and the former Colorado Humanities Center. He currently serves as Associate Dean of the Graduate School and Associate Vice Chancellor for Graduate Education, where he brings his scholarly expertise and long experience at the university to helping graduate students find their own ways into rewarding academic careers.

KAYDEN BOOK AWARD—Honorable Mention
The Emergence of Mexican America
John-Michael Rivera, Associate Professor, English

College of Arts and Sciences Professor of Distinction
Now in its second year, the honorary title Professor of Distinction is reserved for scholars and artists of national and international distinction who are recognized by their peers as teachers and colleagues of exceptional talent. Appointments to this lifetime honor are made from those holding the rank of professor in the College of Arts and Sciences.

2007 RECIPIENTS
Gerard Hauser, Communication
Alice Healy, Psychology
Charles Judd, Psychology
Russell Monson, Ecology and Evolutionary Biology

2006 RECIPIENTS
Mark Ablowitz, Applied Mathematics
Robert Schulzinger, History and International Affairs
Michael Tooley, Philosophy
Thomas Veblen, Geography
Additional Academic Achievements

Each year, faculty at the University of Colorado at Boulder are awarded many honors and recognitions from beyond the campus. They range from the local to the international, and they honor the work of the faculty in teaching, research, and service. The following list of some of the most prestigious awards serves as a sample of the much larger number of recognitions garnered by our faculty.

AMERICAN ACADEMY OF ARTS AND SCIENCES
The American Academy of Arts and Sciences is an international learned society composed of world's leading scientists, scholars, artists, business people, and public leaders. The academy was founded in 1780. Members represent the full range of disciplines, including mathematics, physical and biological sciences, medicine, social sciences, humanities, business, government, public affairs, and the arts.

Deborah Jin
Physics; JILA; National Institute of Standards and Technology (2007)
In recognition of her groundbreaking physics research, Adjunct Professor Jin was one of 203 new fellows elected to the American Academy of Arts and Sciences, along with former Vice President Al Gore, former Supreme Court Justice Sandra Day O'Connor, and New York City Mayor Michael Bloomberg. After receiving her doctorate in physics from the University of Chicago in 1995, Jin spent two years as a post-doctoral researcher at JILA, a joint institute of CU-Boulder and NIST, before being named a NIST physicist and an adjunct professor at CU-Boulder. In 2003, Jin and CU-Boulder postdoctoral researcher Markus Greiner and graduate student Cindy Regal created the world's first "fermionic condensate," a new form of matter that has opened up new fields of inquiry that may help physicists unlock the mysteries of high-temperature superconductivity—a relatively unexplained phenomenon in which electricity is conducted without resistance and can pass through a loop indefinitely with no power source. Jin was awarded a MacArthur Fellowship, popularly known as a "genius grant," for her research achievements, and was also elected to the National Academy of Sciences in 2005.

Other CU-Boulder Fellows
Marvin Caruthers, Chemistry and Biochemistry (1994)
Thomas Cech, Chemistry and Biochemistry (1988)
Eric Cornell, Physics; JILA (2005)
Charles DePuy, Chemistry and Biochemistry (2003)
Larry Gold, Molecular, Cellular, and Developmental Biology (1993)
Reid Hastie, Psychology (2006)
Carl Lineberger, Chemistry and Biochemistry; JILA (1995)
Jane Menken, Sociology; Institute of Behavioral Science (1990)
Josef Michl, Chemistry and Biochemistry (1999)
Margaret Murnane, Physics; JILA (2006)
Norman Pace, Molecular, Cellular, and Developmental Biology (1991)
David Prescott, Molecular, Cellular, and Developmental Biology (1970)
Wolfgang Schmidt, Mathematics (1994)
Noboru Sueoka, Molecular, Cellular, and Developmental Biology (1969)
Carl Wieman, Physics; JILA (1998)
Gilbert White, Geography (1969)
William B. Wood, Molecular, Cellular, and Developmental Biology (1976)

NATIONAL ACADEMY OF EDUCATION
The National Academy of Education advances the highest-quality education research and its use in policy formulation and practice. It consists of up to 150 U.S. members and 25 foreign associates who are elected on the basis of outstanding scholarship or outstanding contributions to education. Since its establishment, the academy has sponsored a variety of commissions and study panels that have published proceedings and reports on current educational issues.

Margaret Eisenhart, Education (2004)
Walter Kintsch, Psychology; Institute of Cognitive Science (1992)
Robert Linn, Education (1990)
Lorrie Shepard, Education (1992)

NATIONAL ACADEMY OF ENGINEERING
The National Academy of Engineering includes more than 2,000 peer-elected senior professionals in business, academia, and government who are among the world's most accomplished engineers, providing leadership and expertise for numerous projects focused on the relationships between engineering, technology, and the quality of life.

Frank Barnes, Electrical and Computer Engineering (2001)
Steve Clifford, Cooperative Institute for Research in Environmental Sciences (1997)
Ross Corotis, Civil, Environmental, and Architectural Engineering (2002)
Don Hearth, Aerospace Engineering Sciences (1989)
Martin Mikulas, Aerospace Engineering Sciences (1999)
Jacques Pankove, Electrical Engineering (1986)
Max Peters, Chemical and Biological Engineering (1969)
Valerian Tatarki, Cooperative Institute for Research in Environmental Sciences (1994)
Klaus Timmerhaus, Chemical and Biological Engineering (1975)
Kasper Willam, Civil, Environmental, and Architectural Engineering (2004)
NATIONAL ACADEMY OF SCIENCES

Founded in 1863 and considered one of the highest honors for an American scientist or engineer, the National Academy of Sciences is a private, non-profit, self-perpetuating society of distinguished scholars engaged in scientific and engineering research, dedicated to the furtherance of science and technology and to their use for the general welfare.

Noel Clark

*Physics (2007)*

Professor Clark was one of 72 new members elected to the National Academy of Sciences, and was the only Colorado scientist elected. Clark is director of the university’s Liquid Crystal Materials Research Center, which brings together faculty, graduate students, and undergraduate students from physics, chemistry, and engineering to develop novel liquid crystal science and applications. Much of Clark’s research has focused on the physics and applications of ferroelectric liquid crystals—used in a variety of commercial products, from liquid crystal displays (LCDs) to portable computing devices. Most notably, Clark is credited with developing electro-optic light valves in the mid-1980s, which use a ferroelectric liquid crystal between closely spaced glass plates to accelerate liquid crystal performance. Clark has held Guggenheim and Humboldt fellowships and is a fellow of the American Physical Society and the American Association for the Advancement of Science. In recognition of his research achievements, he was awarded the American Physical Society’s Oliver E. Buckley Condensed Matter Prize in 2006.

Other CU-Boulder Members

- **Marvin Caruthers**, Chemistry and Biochemistry (1994)
- **Thomas Cech**, Chemistry and Biochemistry (1987)
- **Linda Cordell**, Anthropology; University Museum (2005)
- **Stanley Cristol**, Chemistry and Biochemistry (1972)
- **Charles DuPuy**, Chemistry and Biochemistry (1999)
- **Lawrence Gold**, Molecular, Cellular, and Developmental Biology (1995)
- **Deborah Jin**, Physics; JILA (2005)
- **Carl Lineberger**, Chemistry and Biochemistry; JILA (1983)
- **Joseph Michl**, Chemistry and Biochemistry (1986)
- **Margaret Murnane**, Physics; JILA (2004)
- **Norman Pace**, Molecular, Cellular, and Developmental Biology (1991)
- **David Prescott**, Molecular, Cellular, and Developmental Biology (1974)
- **Margaret Tolbert**, Chemistry and Biochemistry; Cooperative Institute for Research in Environmental Sciences (2004)
- **Gilbert White**, Geography (1973)
- **Carl Wieman**, Physics; JILA (1995)
- **William B. Wood**, Molecular, Cellular, and Developmental Biology (1972)

NOBEL LAUREATES

The Nobel Prize is one of the world’s most prestigious awards, given yearly for achievements in physics, chemistry, economics, medicine, literature, and peace. Nomination and selection of winners vary according to the category and prize-awarding institutions.

- **Thomas Cech**, Chemistry and Biochemistry (1989)
- **Eric Cornell**, Physics; JILA (2001)
- **John Hall**, Physics; JILA (2005)
- **Carl Wieman**, Physics; JILA (2001)
Academic Achievements

**MACARTHUR FELLOWS**
The MacArthur Foundation accepts yearly nominations in as broad a range of fields and areas of interest as possible to talented individuals—writers, scientists, artists, social scientists, humanists, teachers—who have shown extraordinary originality and dedication in creative pursuits and marked capacity for self-direction.

Charles Archambeau, Physics (1988)
David Hawkins, Philosophy (1981)
Deborah Jin, Physics; JILA (2003)
Patricia Limerick, History (1995)
Margaret Murnane, Physics; JILA (2000)
Norman Pace, Molecular, Cellular, and Developmental Biology (2001)

**PACKARD FELLOWS**
Candidates for a Packard Fellowship must be faculty members eligible to serve as principal investigators engaged in research in the natural and physical sciences or engineering and must be within the first three years of their faculty careers. Disciplines include physics, chemistry, mathematics, biology, astronomy, computer science, earth science, ocean science, and all branches of engineering.

Alexis Templeton
In October 2006, Assistant Professor Templeton was selected as one of 20 promising young scientific researchers by the David and Lucile Packard Foundation. Templeton, who earned her doctorate at Stanford University, will use the Packard funding to build an interdisciplinary group of graduate students and post-doctoral researchers who will conduct cutting-edge research at the interface of geology and microbiology. In 2005, Templeton was recognized as one of *Popular Science*’s “Brilliant 10” young scientists for her research on newly identified metal-ingesting and mineral-forming bacteria. Her research focuses on little-understood microorganisms in subsurface environments that get their energy from water reacting with rocks rather than sunlight or organic carbon. Her work seeks to understand how these tiny life forms survive and shape larger, more complex environments around them.

Other CU-Boulder Packard Fellows
Anton Andreev, Physics (1999)
Kristi Anseth, Chemical and Biological Engineering (1997)
Elizabeth Bradley, Computer Science (1995)
Barbara Demmig-Adams, Ecology and Evolutionary Biology (1992)
David Jonas, Chemistry and Biochemistry (1996)
Karla Kirkegaard, Molecular, Cellular, and Developmental Biology (1989)
John Price, Physics (1990)
Leo Radzihovsky, Physics (1998)
Shijie Zhong, Physics (2001)
Academic Achievements

FULBRIGHT FELLOWS

The Fulbright program sends 800 U.S. faculty and professionals abroad each year, and is intended for candidates who wish to conduct research, teach, or undertake a combination of both at an academic institution of their choice in a host country. Grantees lecture and conduct research in wide variety of academic and professional fields.

Marie Banich
Psychology (2006)

Professor Banich was awarded a Fulbright Senior Research Scholar grant to collaborate with a group of university researchers at the University of Verona in Italy on human brain research. Banich is the director of CU-Boulder's Institute of Cognitive Science, where she researches the neural architecture of the human brain, focusing on how different regions in the brain work together to enable human beings to focus their attention. The results of her work could help researchers gain a better understanding of Attention Deficit Hyperactivity Disorder, the symptoms of which include extreme levels of inattention and impulsive hyperactive behavior. Banich joined the CU-Boulder psychology department in 2000, and is a member of several professional groups, including the Cognitive Neuroscience Society, the Organization for Human Brain Mapping, and the International Society for Behavioral Neuroscience.