# CU lecturer and NIST scientist Wineland wins Nobel[1]

Physicist David J. Wineland (Photo: National Institute of Standards and Technology)

David J. Wineland, a lecturer in the University of Colorado Boulder physics department and physicist with the National Institute of Standards and Technology[3] (NIST) in Boulder, on Tuesday won the 2012 Nobel Prize[4] in physics.

Wineland is internationally recognized for developing the technique of using lasers to cool ions to near absolute zero. His experiments have been used to test theories in quantum physics and may lead to the development of quantum computers. He shares the prize with Serge Haroche of France.

Wineland becomes the fifth CU researcher to be honored with the Nobel Prize in science, following Tom Cech, who won for chemistry in 1989; Carl Wieman and Eric Cornell, physics, 2001; and John “Jan” Hall, physics, 2005.

“It’s kind of overwhelming,” Wineland said in a NIST news release. “This could have gone to a lot of other people. It’s certainly a wonderful surprise. The fellow I shared it with – he and I have been friends for a long time, so it’s nice to share it with him.”

Wineland joined the CU-Boulder physics faculty as a lecturer in 2000. He works with four CU-Boulder graduate students pursuing doctorates, said physics department chair Paul Beale.

“On behalf of the CU Board of Regents and the entire university community, congratulations to Dr. Wineland and his colleagues,” said Michael Carrigan, the board’s chair. “This distinct honor demonstrates the exceedingly high quality of the work being done at CU and in collaboration with our federal partners. We are very proud of our fifth Nobel Laureate.”

CU President Bruce D. Benson called Wineland’s Nobel a “testament to the quality of the discovery and innovation that makes the University of Colorado one of the top research universities in the world. It also highlights the value of our collaboration with federal laboratory partners such as the National Institute of Standards and Technology, as well as the tremendous opportunities for our students to work alongside the world's best scientists.”

Said CU-Boulder Chancellor Philip P. DiStefano, “This is an honor for our friends, colleagues and partners at the National Institute of Standards and Technology, the University of Colorado Boulder and for the world. That our university today has five Nobel Laureates walking our halls and interacting with our students is proof positive that the University of Colorado is a world-class institution.”

CU-Boulder Provost Russell Moore said Wineland’s Nobel Prize “underscores the strong relationships and quality of work among the research laboratories in Boulder, nearly all of which have strong ties to the University of Colorado. Our ability to share researchers and conduct research together has enormous benefits for new generations of CU students and young scientists, and has made Boulder a global center for cutting-edge research.”

Said Stein Sture, CU-Boulder vice chancellor for research, “CU-Boulder physics lecturer David Wineland’s work with our graduate students at the National Institute of Standards and Technology has placed him among a special group of scientists at NIST and CU who are changing the face of atomic, molecular and optical physics. We congratulate him, NIST and the CU-Boulder physics department.”

Beale, chair of the CU-Boulder Department of Physics[5], said the department is thrilled with the news of the Nobel.

“David's … research using trapped ions to study quantum entanglement, now recognized for the groundbreaking work it is by a Nobel Prize, acknowledges his great successes,” Beale said. “David is an important member of our graduate faculty who has been both a key graduate adviser for our students and a strong member of our graduate student recruiting team. His laboratory at NIST has allowed our graduate students to engage in world-class research, and it's an honor for our department to be associated with him.”

John Jost, who worked in Wineland's group for about 10 years as a CU-Boulder doctoral student and postdoctoral researcher, called Wineland "brilliant and humble."

"I feel lucky to have worked in his lab for my Ph.D. regardless of whether or not he won the Nobel Prize," Jost said. "He was always available when we had questions and problems in the lab and usually had some great idea about what to try next. At the same time, he gave us the freedom to figure things out on our own."

In August, Jost began a Marie Curie fellowship as a postdoctoral researcher in the École Polytechnique Fédérale de Lausanne in Lausanne, Switzerland.

Wineland's first demonstration of laser cooling in 1978 led many other scientists to pursue the laser cooling and trapping of atoms. His research helped make possible the creation of the world's first Bose-Einstein condensate, for which Wieman (of CU and JILA) and Cornell (of NIST, JILA and CU) were awarded the Nobel Prize in physics in 2001. JILA is a joint institute of CU-Boulder and NIST.

From NIST's news release: Wineland was born in Wauwatosa, Wis., near Milwaukee. His family then settled briefly in Denver and when he was 3 moved to Sacramento, Calif., where he grew up. Wineland has worked at Boulder's NIST laboratories since 1975. He received a bachelor's degree in physics from the University of California at Berkeley and master's and doctoral degrees in physics from Harvard University. Before joining NIST, Wineland worked as a postdoctoral research associate at the University of Washington.

## CU Denver's Boots to Suits quick to gain national attention[6]

[7]

In the matter of just a few months, the University of Colorado Denver's Boots to Suits[8] program already has garnered national attention as a model for more partnerships among higher education, business and community leaders, and military veterans.

About two dozen members of the CU Advocates[9] program, a community outreach effort based in the Office of the President, gathered for a Sept. 28 session at the CU Denver Business School to learn about Boots to Suits.

Developed in conjunction with the Denver Metro Chamber of Commerce[10] and launched earlier this year, CU Denver Boots to Suits helps veterans transition through a series of roles: from service members to students to business professionals and community leaders.

Leanna Clark, CU Denver vice chancellor of marketing and community engagement, told CU Advocates that the program matched 40 veteran students with business mentors last spring. This semester, the goal is for 100 such matches – and to pair 100 veteran students with jobs.

"The mentor piece has become the centerpiece of what we're doing," Clark said. For a semester of the senior year, a student veteran is matched with a Denver business executive. The business leader offers insight and advice to the student; the executive's organization has the option of buying a suit for the student as he or she begins job interviews.

The program also works with businesses willing to offer internships and/or eventual jobs for student veterans; contributions to a business attire fund are solicited as well, with PCL Construction Leaders on board by providing a seed grant for the Suit Up Our Veterans Fund. Mock interviews and business panels are other offerings of Boots to Suits.

The program's unusual, multipronged approach to helping student veterans gained attention from PBS, which featured it in this NewsHour piece[11] over Memorial Day weekend. Clark said she considers the program unique in the country, and that the university has fielded inquiries from other higher education institutions about how the initiative works.

Cameron Cook, veteran student services manager at CU Denver, said there's a strong likelihood that Boots to Suits could be established at other CU campuses, but that he wants to see it further established at CU Denver before expanding elsewhere.

For more information, including how to become a mentor or donate, visit the Boots to Suits website[8] or call the CU Denver Office of Veteran Support Services at 303-556-2745.

## CU study: Graphene membranes may lead to efficient, cleaner energy[12]

This illustration depicts a single molecular-sized pore in a graphene membrane. The membrane is separating carbon dioxide from nitrogen. A carbon dioxide molecule is passing through the pore while nitrogen molecules are too large to pass through. (Illustration by Zhangmin Huang)
This illustration depicts a single molecular-sized pore in a graphene membrane. The membrane is separating carbon dioxide from nitrogen. A carbon dioxide molecule is passing through the pore while nitrogen molecules are too large to pass through. (Illustration by Zhangmin Huang)

Engineering faculty and students at the University of Colorado Boulder have produced the first experimental results showing that atomically thin graphene membranes with tiny pores can effectively and efficiently separate gas molecules through size-selective sieving.

The findings are a significant step toward the realization of more energy-efficient membranes for natural gas production and for reducing carbon dioxide emissions from power plant exhaust pipes.

Mechanical engineering professors Scott Bunch and John Pellegrino co-authored a paper in Nature Nanotechnology with graduate students Steven Koenig and Luda Wang detailing the experiments. The paper was published Sunday in the journal's online edition.

The research team introduced nanoscale pores into graphene sheets through ultraviolet light-induced oxidative "etching," and then measured the permeability of various gases across the porous graphene membranes. Experiments were done with a range of gases including hydrogen, carbon dioxide, argon, nitrogen, methane and sulphur hexaflouride -- which range in size from 0.29 to 0.49 nanometer -- to demonstrate the potential for separation based on molecular size. A nanometer is 1 billionth of a meter.

"These atomically thin, porous graphene membranes represent a new class of ideal molecular sieves, where gas transport occurs through pores which have a thickness and diameter on the atomic scale," Bunch said.

Steven Koenig, left, and Scott Bunch in the graphene lab at the University of Colorado Boulder. (Photo by Casey A. Cass/University of Colorado)

Graphene, a single layer of graphite, represents the first truly two-dimensional atomic crystal. It consists of a single layer of carbon atoms chemically bonded in a hexagonal "chicken wire" lattice -- a unique atomic structure that gives it remarkable electrical, mechanical and thermal properties.

"The mechanical properties of this wonder material fascinate our group the most," Bunch said. "It is the thinnest and strongest material in the world, as well as being impermeable to all standard gases."

Those characteristics make graphene an ideal material for creating a separation membrane because it is durable and

yet doesn't require a lot of energy to push molecules through it, he said.

Other technical challenges will need to be overcome before the technology can be fully realized. For example, creating large enough sheets of graphene to perform separations on an industrial scale, and developing a process for producing precisely defined nanopores of the required sizes are areas that need further development. The CU-Boulder experiments were done on a relatively small scale.

The importance of graphene in the scientific world was illustrated by the 2010 Nobel Prize in physics that honored two scientists at Manchester University in England, Andre K. Geim and Konstantin Novoselov, for producing, isolating, identifying and characterizing graphene. Scientists see a myriad of potential for graphene as research progresses, from making new and better display screens and electric circuits to producing tiny biomedical devices.

The research was sponsored by the National Science Foundation; the Membrane Science, Engineering and Technology Center at CU-Boulder; and the DARPA Center on Nanoscale Science and Technology for Integrated Micro/Nano Electromechanical Transducers at CU-Boulder.

UCCS to host exhibit on World War II Japanese internment camps[15]

[16]
The lives of Japanese Americans who were interned in a southeast Colorado camp during World War II will be remembered in a special exhibit at the University of Colorado Colorado Springs opening Monday and continuing through Nov.5.

"Connecting the Pieces: Dialogues From the Amache Archaeology Collection" will be displayed at the Heller Center for Arts and Humanities in the studio gallery. An opening reception is scheduled for 4 p.m.-6 p.m. Oct. 18 at the Heller Studio. The reception and the exhibit are free and open to the public.

The exhibit was created by students at the University of Denver working in conjunction with descendants and their families from the Amache World War II Japanese internment camp. The Amache Japanese Internment Camp, also known as the Granada Relocation Center, was built and operated during the war for housing Japanese-Americans who were relocated from the West Coast to southeastern Colorado. Camp Amache operated from August 1942 until October 1945. At its capacity, Amache housed more than 7,500 people, two-thirds of whom were American citizens.

The exhibit commemorates those who were detained there through a collaboration between archaeologists and members from the community who lived at Camp Amache. Items pulled from the archaeological remains collected during excavations at the camp are paired with stories told by survivors and their family members. Each highlights life in what was Colorado's 10th largest city during World War II.

The exhibit is sponsored by the State Historical Fund. Its appearance at UCCS was made possible by the University of Denver Anthropology Department and Bonnie Clark, associate professor. Additional support was provided by the UCCS Visual and Performing Arts Department and the Heller Center for the Arts and Humanities.

The Heller Center for the Arts and Humanities hosts exhibits on art and culture of Colorado. For more information and hours contact Karin Larkin at (719) 255-3124 or arts@uccs.edu[17].

To reach the Heller Center, visitors should enter from North Nevada Avenue, turning east onto North Campus Heights Road. For more information about the Heller Center or to see a map, please visit http://www.uccs.edu/~heller/contact.html[18]

[With help from CU friends, sculptor rises from ashes][19]
Friends of Jerry Wingren bought his “Standing Stone #2,” made of Swedish black granite, and donated it to the University of Colorado. Photo by Noah Larsen
Friends of Jerry Wingren bought his “Standing Stone #2,” made of Swedish black granite, and donated it to the University of Colorado. Photo by Noah Larsen

The Fourmile Fire of 2010 destroyed more homes than any wildfire to that point in Colorado history, and Jerry Wingren’s artistic studio was one of the casualties. A lifetime of sculptures, his library and many tools disappeared in a plume of smoke that could be seen from space.

Wingren’s friends strategized about how to help him. But the former faculty member at the University of Colorado did not want charity. He wanted to sell art.

Brenda Niemand, Wingren’s friend and a board member of the CU Art Museum, hatched a plan with her husband: buying one of Wingren’s pieces of art and then donating it to CU-Boulder.

With help from his friends and CU-Boulder’s Wingren’s “Standing Stone #2, 2002,” was purchased and donated to the university, which formally dedicated the sculpture on Oct. 4.

“This sculpture represents the growing importance of the arts at CU-Boulder,” said campus Chancellor Philip P. DiStefano. He noted that the campus is a hub for the visual arts and said more than 385,000 people annually come to the campus to take advantage of cultural and fine-arts events.

Lisa Tamiris Becker, director of the CU Art Museum, thanked the donors for the gift, which she said “creates a sense of place” and combines traditions of Japanese and Scandinavian artists. Tamiris Becker noted that when CNN was filming a segment recently, it chose Hawthorn Court, which is where the sculpture sits.

Wingren himself approached the lectern with a self-deprecating remark about his public-speaking abilities, invited observes to imagine a little kid in small-town Alaska telling others, “I’m going to be an artist.” The response was laughter, he said.

Wingren, who taught art for six years at CU-Boulder, has lived and worked in the mountains west of Boulder since the 1970s. He won a Fulbright Scholarship in 1974 to study German drama at the University of Bremen in Germany. While there, he became enthralled with sculpture and served an apprenticeship under the renowned sculptor and stoneworker Otto Almstadt.

His career trajectory began changing while walking to the classroom through a sculpture-filled park in Germany. “I fall in love with the stuff,” Wingren said.

Stone, one of his media, can be really heavy, Wingren said. “I try to lighten it up.”

Within three months this year, Niemand and fellow board members Alan Rudy and Mark Addison spearheaded a successful effort to raise $95,000, enough to purchase the sculpture and ship it to Boulder from the Nordic Heritage Museum in Seattle, where it was on loan.

“Many people know him and wanted to help,” Niemand said. “Everybody is very happy that it was completed.”

“He said the one thing that was the most painful was to lose his own collected art,” said Niemand, who met Wingren some years ago on an Open Studios tour. With the sale of his sculpture and his studio in the process of being rebuilt, “He’s feeling quite cheerful.”

One reviewer commented that Wingren’s sculpture “strives for a lightness and movement through space with materials whose characteristics would seem to deny both.”

Wingren's "Standing Stone #2, 2002," now sits in Hawthorn Court on the CU-Boulder campus.

Hawthorn Court is west of Ketchum Arts and Sciences, south of Norlin Library, east of the Cooperative Institute for Research in Environmental Sciences, and north of Cristol Chemistry and Biochemistry.

For more information about Jerry Wingren and his art, see http://www.wingrensculpture.com[21]

## New campaign to address opioid dependence[22]

The Colorado School of Public Health[23] and Pinnacol Assurance[24] are taking a significant step in addressing the rising rates of death from opioid pain relievers by creating training that focuses on safe prescribing practices and intervention strategies to improve physicians' understanding of the best practices that help prevent the health risks and issues associated with these drugs.

Rates of U.S. overdose deaths associated with opioid pain relievers (OPD) have exceeded those of heroin and cocaine combined according to the Centers for Disease Control and Prevention. The Colorado School of Public Health and Pinnacol Assurance have launched a physician training program and public service announcement campaign to improve chronic pain management in Colorado and nationally.

"Pinnacol Assurance is proud to partner with the Colorado School of Public Health to create an opioid abuse education program for all Colorado physicians," said Pinnacol Assurance CEO Kenneth Ross. "Because Pinnacol touches so many lives in Colorado—nearly 55,000 policyholders and 1 million workers—we have a responsibility to play a leading role in educating doctors about the potential dangers of opioid abuse."

The school's Mountain and Plains Education and Research Center (MAP ERC) received an educational grant from Pinnacol Assurance in January 2012 to develop, host, promote and evaluate a new online continuing medical education (CME) training. The training aims to improve physician understanding and adoption of state and federal guidelines for non-cancer chronic pain management.

The CME training launched this month as the first Colorado-based education program to train physicians on evidence-based strategies that address the current opioid crisis throughout the state and country. The Pinnacol Assurance grant supported the creation of an expert advisory committee as well as the development of training content and a resource toolkit that are both hosted on the MAP ERC eLearning site. The program also includes creating a Public Service Announcement to spotlight 1) the significance of the opioid crisis that has become a public health emergency, 2) the role physicians play in helping prevent opioid abuse and overdoses and 3) how the Colorado School of Public Health is leading education efforts to train prescribing providers on current guidelines.

"Pinnacol's mission has always been to protect its policyholders and their employees and this training program is just another way we are honoring that commitment," said Pinnacol Assurance Medical Director Edward Leary, M.D. "Our goal is to ensure that our injured workers receive the necessary treatment to return them safely to work without the potential harmful side effects of inappropriate opioid prescriptions. The Centers for Disease Control has called the increased use of opioids an epidemic and doctors are looking for a resource to help them address the issue. We are confident the program we are developing with the CSPH will successfully serve that purpose."

To learn more about the training, visit www.PainManagementCME.org[25].

## Symposium focuses on undergraduate learning[26]

Panelists speak during the University of Colorado Denver Undergraduate Experiences Symposium. From left, Mark Gelernter, Laura Goodwin,Rebecca Kantor, Raul Cardenas and John Lanning.

Panelists speak during the University of Colorado Denver Undergraduate Experiences Symposium. From left, Mark Gelernter, Laura Goodwin,Rebecca Kantor, Raul Cardenas and John Lanning.

The University of Colorado Denver 8th Annual Undergraduate Experiences Symposium[28] took an internal focus this year, asking faculty and administrators to "Reflect, Plan and Act on Student Learning and Success."

About 120 members of the university community convened Friday at the Curtis Hotel for wide-ranging and big-picture discussions about improving undergraduate education. After introductory remarks by Chancellor Don Elliman and Provost Rod Nairn, Assistant Vice Chancellor for Undergraduate Experience John Lanning moderated a panel discussion involving all of the Denver campus deans as well as Carolyn North, assistant vice chancellor of international affairs, and Raul Cardenas, associate vice chancellor of student affairs.

Discussion topics included experiential learning, collaboration, community awareness and connection, international programs, brand recognition and university identity.

Lanning said feedback from last year's symposium clearly directed an internal and reflective format rather than outside speakers. He said it was his idea to include a dean's panel this year to facilitate audience-generated questions to the deans.

Lanning said the symposium's goal is to provide cross-discipline discussions about undergraduate success and learning and generate recommendations on ways to improve them. He said about a third of the 70 recommendations made in the event's seven-year history have been implemented, including an expanded Experiential Learning Center [29], a student peer mentor program and a first-year philosophy statement.

Ideally, he noted, the university will move toward addressing structural and systemic changes. One such possibility would be a "University College" where all freshmen start their university experience before moving into individual schools and colleges. Another big-ticket item would be creating a structure for better communications between academic affairs, student affairs and finance and budget.

The topic of promoting the unique identity of the university, through both internal and external channels, as well as bettering communication between the units of academic affairs and student affairs prompted lively discussion.

"In the economic development community, 'eds and meds' is a huge term and we are 'eds and meds,' here and at Anschutz," said Paul Teske, dean of the School of Public Affairs. "... We don't send our jobs overseas; we're not going to move out of Colorado. I think it is the repetition, the telling of these stories, and I feel like we've really just started that and I think it takes time. I think we will make headway there."

Laura Goodwin, interim dean of the College of Arts and Media, pointed to recent successes of improved collaboration, including the annual Undergraduate Experiences Symposium, First-Year Seminar Program[30], the Early Alert[31] program, the Honors and Leadership Program[32], and the Office of Undergraduate Experiences[33].

"Certainly, there's tons more we can be doing," she said, "but I think a lot of the success is because of the goodwill of people on sort of both sides of this fence -- if there is a fence -- between academic and student affairs."

Brainstorming sessions took place at tables, each with a mix of faculty members, staff and administrators from different departments. The recommendations will be incorporated into a written summary produced by the Office of Undergraduate Experiences.

Nairn said he looked forward to seeing the recommendations.

"We need to worry about all kinds of things, but today we're only focused on this," the subjects of undergraduate

learning and success, Nairn said. "If everybody set their affiliation aside and just thinks about what is going to be better for this campus -- what's going to be better for the students as a whole -- I think we'll have a much better discussion."

Archives of reports about each previous Undergraduate Experiences Symposium can be found at this website[28]. Click the "Quick Links" section for individual symposium archives.

## Fulbright scholar sees opportunity in UCCS visit[34]

[35]
Math professor **Muge Kanuni Er** from Bo?aziçi University, Istanbul, Turkey, is at the University of Colorado Colorado Springs to work on a project, “Algebras on Discrete Structures,” involving her areas of specialty as part of the Fulbright Visiting Scholar Program.

She will spend six months at the university, hosted by Gene Abrams, professor, Department of Mathematics, and work closely with other members of the math department. She will extend her stay for another six months with assistance from an International Postdoctoral Research Scholarship from the Scientific and Technological Research Council of Turkey.

Kanuni Er learned of Abrams’ work while a graduate student at the University of Connecticut (she earned master’s and doctoral degrees there), later corresponding with him by email and meeting at conferences. In February 2011, Kanuni Er delivered a colloquium talk to the math department at UCCS. When the opportunity for a sabbatical from her assistant professor position at Bo?aziçi University presented itself, she searched for more than a year to find funding and to visit UCCS.

“The world is small,” Kanuni Er said. “The math world is even smaller. I am happy to have the chance to do mathematics, to write papers together, and to share ideas with my UCCS colleagues.”

Kanuni Er arrived at UCCS Sept. 5 accompanied by her husband and sons, ages 4 and 6.

“Everyone has been very helpful to make our move easy,” she said. “I appreciate my colleagues in the math department and both the principal and the staff at Bates Elementary School where my sons are enrolled. My sons don’t speak English so this has been both a challenge and an opportunity for them. But they like hiking and the outdoors. I think this is going to be good for all of us.”

## Doak named CU-Boulder’s first Colorado Chair in Environmental Studies[36]

[37]
**Daniel Doak** has been appointed the University of Colorado Boulder’s first Colorado Chair in Environmental Studies. Doak is a conservation biologist known for his quantitative analysis of how different government policies could affect the populations of species such as sea otters, California condors, corals and rare plants.

The endowed chair in environmental studies was made possible by $4 million in gifts made anonymously in 2009 and 2010 toward the chair.

Sharon Collinge, professor and director of the CU-Boulder Environmental Studies Program, called Doak a perfect match. “He epitomizes what we’re looking for,” she said.

Doak is especially skilled in interdisciplinary research, and brings expertise in policy to his analyses of risks of energy development. And he is widely cited for his research in quantitative conservation biology, which combines sophisticated

computer modeling with varying policy scenarios to project changes in populations of rare species.

For instance, the Proceedings of the National Academies of Science recently published a study co-authored by Doak concluding that the California condor is chronically endangered by lead exposure from hunters' spent ammunition.

While the free-flying condor population has risen in the last three decades, that increase has been achieved through captive breeding, monitoring and veterinary care, the study found. Meanwhile, the primary threat to the endangered bird -- lead poisoning from bullets and shotgun shells lodged in carrion -- has gone largely unmitigated, the study said. Doak and his fellow researchers found no evidence that California's 2008 partial ban on lead ammunition yielded any decrease in lead exposure and poisoning in condors.

Since 2007, Doak has served as a professor of zoology and physiology at the University of Wyoming. Previously, he was a faculty member at the University of California, Santa Cruz. His research has been funded by the National Science Foundation, U.S. Fish and Wildlife Service, U.S. Forest Service, California Department of Fish and Game and the U.S. Bureau of Land Management. Scholarly papers have cited his work more than 3,000 times since 1998.

Doak said he was drawn to CU-Boulder's Environmental Studies Program because of its breadth, spanning disciplines ranging from biogeochemistry to political science to philosophy. This interdisciplinary focus is necessary to confront some of the world's most intractable problems, Doak said.

Working with experts from a wide range of disciplines, Doak added, provides a motivation and opportunity "not once a year but every day to confront your own ignorance and thus to appreciate and learn new ideas and approaches."

## Riggs receives award for research on Attention-Deficit Disorder[38]

[39]
**Paula Riggs**, a School of Medicine professor and director of the Division of Substance Dependence, Department of Psychiatry, recently was named the Elaine Schlosser Lewis Awardee for Research on Attention-Deficit Disorder by the American Academy of Child and Adolescent Psychiatry (AACAP).

Riggs received the award in recognition of her paper "Randomized Controlled Trial of Osmotic-Release Methylphenidate with Cognitive-Behavioral Therapy in Adolescents With Attention-Deficit/Hyperactivity Disorder and Substance Use Disorders," published in the September 2011 issue of the Journal of the American Academy of Child and Adolescent Psychiatry (JAACAP).

The AACAP Elaine Schlosser Lewis Award for Research on Attention-Deficit Disorder was established through support of the Elaine Schlosser Lewis Fund in 1994. The award of $5,000 is given annually for the best paper published in JAACAP on attention-deficit disorder, written by a child and adolescent psychiatrist, and published between July 2011 and June 2012. This award is named in memory of Dr. Owen Lewis's late mother, Elaine Schlosser Lewis, who was a teacher and advocate on behalf of children.

Riggs recently presented her paper at AACAP's 59th Annual Meeting in San Francisco. Representing more than 8,500 child and adolescent psychiatrists nationwide, the American Academy of Child and Adolescent Psychiatry (AACAP) is the leading authority on children's mental health. AACAP Members actively research, diagnose and treat psychiatric disorders affecting children, adolescents and their families.

By providing one award to a child and adolescent psychiatry junior faculty member or resident for pilot research on attention disorders, the Foundation supports a young investigator at a critical stage, encouraging a future career in child and adolescent psychiatry research.

Krechmer earns prize for paper on cloud computing[40]

[41]
**Ken Krechmer**, an instructor at the University of Colorado Boulder, has won first prize in the global IEC-IEEE Challenge, presented by the International Electrotechnical Commission and the Institute of Electrical and Electronics Engineers, for a paper on cloud computing standardization.

His paper addresses how cloud computing promises to dramatically simplify the development and deployment of new economic, social and environmental applications. Such applications represent very large commercial opportunities. Standardization of the cloud computing building blocks and interfaces is vital to establishing multinational markets and to balance the vendor's desire for commercial gain with the public's desire for open interfaces. Commercial gain and open interfaces need not be opposing goals and Krechmer's paper develops how the standards for these building blocks and interfaces may be designed to maximize both goals.

The recognition comes with a $20,000 award.

MacAulay to serve as first faculty director for Heller Center[42]

[43]
**Suzanne MacAulay**, professor and chair, Department of Visual and Performing Arts at the University of Colorado Colorado Springs, will serve as the first faculty director for the Heller Center for Arts and Humanities.

In addition to managing the artist/scholar-in-residence program and reviewing and approving the guest house applications, MacAulay will answer classroom-related questions about the Heller Center, review communication materials from the center, and work closely with Perrin Cunningham, the center's curator, as well as other key university staff members.

Several other changes were announced in the operation of the Heller Center to improve its access to the campus and greater Colorado Springs community. Changes included priority scheduling for academic classes for the main house and development of a website.

"I believe that the newly established collaboration between academic interests and curatorial activities offers rich possibilities for fulfilling the creative vision of the Hellers and marking the Heller Center as a node of university as well as public artistic and intellectual engagement," MacAulay said.

Faculty members mark milestones[44]

More than 100 faculty members at the University of Colorado Denver and Anschutz Medical Campus were honored for reaching the milestone of tenure and/or promotion at a recent luncheon. To see the full list of honorees, visit the Faculty Affairs and Undergraduate Enrichment[45] website and click on the "Tenure & Promotion Honorees 11-12" link at the bottom of the page.

Addressing and paying their respects to the honorees were Provost Rod Nairn, Chancellor Don Elliman and Vice President of Health Affairs at the University of Colorado and Executive Vice Chancellor of the Anschutz Medical

Campus Lilly Marks.

Marks noted that the career milestone of tenure and promotion is not a given. "Just putting in the time is not enough to earn these rewards," she said. "There is a rigorous process and very high thresholds of achievement and all of you have obviously demonstrated that to be here today. ... There really is an interdependence between your individual contributions and achievements and our strength as a university."

Elliman said he was privileged to be part of the process of awarding the career advancements this year. He said he has been on business management teams that bought companies and there was "less rigor than what we go through to give one of you tenure or promotion. It's astounding, and the result of it is the quality that is represented in this room, for which I'm grateful to be at least a small part."

Nairn acknowledged the work performed by the members of the Vice Chancellor's Advisory Committees for Reappointment, Tenure and Promotion. The committees on both campuses ensure that the process is fair and rigorous, he said.

Nairn closed his remarks by encouraging the honorees to stay on the paths they're on. "It seems as though there are always difficult times. There are always more challenges than seem possible to overcome, and nonetheless we overcome them every day," he said. "It's because of folks like you that make those kinds of efforts that we actually have a better world and a better place."

Allen to keynote women's symposium[46]

[47]
Brenda J. Allen, associate vice chancellor for Diversity and Inclusion at the University of Colorado Denver, has been announced as the keynote speaker for CU Women Succeeding, the 11th annual professional development symposium.

The website for the women's symposium[48], free to faculty and staff across the system, has more information on the event, which this year is themed "Opening Doors: Navigating Your Professional Journey." Allen will speak on "Setting Your Stride for an Empowered Career Path."

Registration will begin Oct. 25 at the website.

The Faculty Council Women's Committee continues to solicit proposals for symposium, which runs 4 p.m. Feb. 21 through 4 p.m. Feb. 22 at the University of Colorado Boulder's University Memorial Center.

The committee welcomes proposals for workshops, roundtables, book discussions, panels, and other interactive and innovative formats focused on the theme for the Friday sessions. Proposals should address the interests and concerns of CU women faculty and staff and can also address broader educational/professional-development issues related to women in academia and beyond.

The committee also welcomes proposals for poster presentations during the Thursday opening celebration.

Each proposal must include contact information for a primary organizer, who will be responsible for the content and recruitment of additional presenters for the session.

Proposals must include:
Title of presentation Summary of presentation to be printed in Symposium brochure (100 words or less, please) Brief description of proposed topic and how it relates to the "Opening Doors: Navigating your Professional Journey" theme (200 words) One to three specific learning objectives for participants Time block preference (indicate preference for 45 or 90 minutes) Names of each presenter (if more than one) Contact information for principal presenter; CU campus and department; title; email address; phone number. Technology resources needed

The deadline for submission is Friday, Oct. 26. The selection process will be completed and presenters notified by early December. Questions: melinda.piket-may@colorado.edu[49] or karen.jonscher@ucdenver.edu[50]

Click here[51] to submit your proposal.

## Nomination request: 2012 Elizabeth D. Gee Memorial Lectureship Award[52]

The Women's Committee of the Faculty Council requests nominations for the 2012 Elizabeth D. Gee Memorial Lectureship Award. This award recognizes and honors an outstanding faculty member of the University of Colorado for efforts to advance women in academia, interdisciplinary scholarly contributions and distinguished teaching.

The award carries a $1,000 prize, and the recipient will have an opportunity to present his/her scholarly work at the CU Women Succeeding Annual Professional Development Symposium[48] set for Feb. 22, 2013. Previous nominees are encouraged to re-apply. Preference will be given to nominees who have been with the University of Colorado at least five years.

Eligibility: Any full-time faculty member from any of the CU campuses may be nominated.

Criteria: The criteria for selecting recipients of the award are as follows:
Record of advancing women in the academic community (please note that nominee should show evidence of advancing women beyond his/her own department); Significant and original scholarship and/or creative work; Record of research, teaching, and/or service that pushes the boundaries of disciplinary knowledge and makes connection between disciplines; Distinguished record in teaching excellence.
Nomination packets should be sent to facultycouncil@cu.edu.[53] For more information and instructions on the nomination process, please visit our website.[54]

If you have any questions about the nomination process, please contact Karen Jonscher at Karen.jonscher@ucdenver.edu[55].

Deadline for nominations is Nov. 16.

## Better health plan ideas? Suggestion deadline extended[56]

Do you have a great new idea to improve the health care benefits and/or services provided to our employees and their dependents? The University of Colorado Health and Welfare Plan (the Trust) is now accepting recommendations for the 2014 plan year.

Each year, the Trust solicits ideas from plan participants to enhance the value of our health plans, to incorporate services specific to the needs of our population, and to improve the health outcomes and patient experience of care. If you'd like to share your idea, please prepare a one-page summary that includes information on the following:
What population does the idea potentially provide benefit (i.e., dependent children with asthma, adults with lower back pain, etc.)? How does the idea improve the health care benefits, the care delivered, or enhance patient outcomes or experience? How can improvements related to the idea be evaluated (i.e., what outcomes can be measured)? Is the idea supported by medical evidence?
Ideas will be accepted from any employee Trust participant of the following communities: University of Colorado, University of Colorado Hospital and University Physicians Inc. Individuals whose ideas are selected for the 2014 plan year, effective July 1, 2013, will be acknowledged on the Trust website at: http://www.cu.edu/trust[57] and receive a

letter of appreciation. Your idea summary should be limited to one page and be submitted by **5 p.m. Friday, Oct. 26**.

Please submit your ideas by e-mail to: Ms. Gena Trujillo[58], Plan Administration, University of Colorado Health and Welfare Trust, at gena.trujillo@cu.edu[58]. Any questions regarding your submission should also be directed to her.

**Additional guidance:** Due to the rising cost of health care, ideas that are likely to be either cost neutral or result in cost saving on a per capita basis are desired. Recommendations requesting additional health insurance options (e.g., Cigna PPO) or solely addressing physician/provider reimbursement will not be considered. In addition, proposals for the conduct of studies to assess future plan changes will also not be accepted for the 2014 plan year.

-- E. Jill Pollock, vice president, Employee and Information Services, University of Colorado; chairperson Trust committee and CU employee representative, University of Colorado Health and Welfare Trust

Reminder: Health screenings continue today through Nov. 2[59]

[60]
Sign up today for a free, convenient, confidential health screening and you will be automatically enrolled in a drawing to win one of 10 new electric bicycles. Appointments are available today through Nov. 2; see the calendar[61] for dates and locations.

Be Colorado is paying for a Lipid Profile with Glucose (total cholesterol, HDL, LDL, triglycerides and blood glucose), blood pressure and measurement of height, weight and waist circumference and a health assessment profile — a value of more than $200.

Free flu shots also are available.

The Be Colorado health screenings are absolutely private and confidential. The university will not see anyone's private health information; doing so would violate the Health Insurance Portability and Accountability Act (HIPAA).

[62]

Learn more at www.becolorado.org[60]. Questions: Contact Payroll & Benefit Services, benefits@cu.edu[63] or 303-860-4200.

**Links**
[1] https://connections.cu.edu/stories/cu-lecturer-and-nist-scientist-wineland-wins-nobel[2] https://connections.cu.edu/breakingnews/update-cu-lecturer-and-nist-scientist-wineland-wins-nobel/wineland_nobel[3] http://www.nist.gov/index.html[4] http://www.nobelprize.org/[5] http://phys.colorado.edu/[6] https://connections.cu.edu/stories/cu-denver%E2%80%99s-boots-suits-quick-gain-national-attention[7] https://connections.cu.edu/file/b2spng[8] http://www.ucdenver.edu/about/WhoWeAre/community/boots-to-suits/Pages/default.aspx[9] https://www.cusys.edu/cuadvocates/[10] http://www.denverchamber.org/[11] http://www.pbs.org/newshour/bb/military/jan-june12/bootstosuits_05-28.html[12] https://connections.cu.edu/stories/cu-study-graphene-membranes-may-lead-efficient-cleaner-energy[13] https://connections.cu.edu/file/graphenepng[14] https://connections.cu.edu/file/graphene2png[15] https://connections.cu.edu/stories/uccs-host-exhibit-world-war-ii-japanese-internment-camps[16] https://connections.cu.edu/file/uccscampspng[17] mailto:arts@uccs.edu[18] http://www.uccs.edu/~heller/contact.html[19] https://connections.cu.edu/stories/help-cu-friends-sculptor-rises-ashes[20]

https://connections.cu.edu/file/standing-stonepng[21] http://www.wingrensculpture.com/[22]
https://connections.cu.edu/stories/new-campaign-address-opioid-dependence[23]
http://www.ucdenver.edu/academics/colleges/PublicHealth/Pages/welcome.aspx[24] http://www.pinnacol.com/[25]
http://www.painmanagementcme.org/[26] https://connections.cu.edu/stories/symposium-focuses-undergraduate-learning[27] https://connections.cu.edu/file/ucdsymposiumpng[28] http://www.ucdenver.edu/STUDENT-SERVICES/RESOURCES/UE/SUMPOSIUM/Pages/default.aspx[29]
http://www.ucdenver.edu/life/services/ExperientialLearning/Pages/default.aspx[30] http://www.ucdenver.edu/student-services/resources/ue/first-year/Pages/default.aspx[31] http://www.ucdenver.edu/student-services/resources/ue/early-alert/Pages/default.aspx[32] http://www.ucdenver.edu/academics/honors/UHL/Pages/default.aspx[33]
http://www.ucdenver.edu/student-services/resources/ue/Pages/default.aspx[34]
https://connections.cu.edu/people/fulbright-scholar-sees-opportunity-uccs-visit[35] https://connections.cu.edu/file/ppng[36] https://connections.cu.edu/people/doak-named-cu-boulder%E2%80%99s-first-colorado-chair-environmental-studies[37] https://connections.cu.edu/file/pdoakpng[38] https://connections.cu.edu/people/riggs-receives-award-research-attention-deficit-disorder[39] https://connections.cu.edu/file/p-riggspng[40]
https://connections.cu.edu/people/krechmer-earns-prize-paper-cloud-computing[41]
https://connections.cu.edu/file/pkrechmerpng[42] https://connections.cu.edu/people/macaulay-serve-first-faculty-director-heller-center[43] https://connections.cu.edu/file/pmacaulaypng[44] https://connections.cu.edu/people/faculty-members-mark-milestones[45]
http://www.ucdenver.edu/faculty_staff/faculty/faculty-affairs/news/Pages/Events.aspx[46]
https://connections.cu.edu/stories/allen-keynote-women%E2%80%99s-symposium[47]
https://connections.cu.edu/file/dykallenpng[48] https://www.cu.edu/FacultyCouncil/womens-symposium/index.html[49]
mailto:melinda.piket-may@colorado.edu[50] mailto:karen.jonscher@ucdenver.edu[51] http://svy.mk/R08lPU[52]
https://connections.cu.edu/stories/nomination-request-2012-elizabeth-d-gee-memorial-lectureship-award-0[53]
mailto:facultycouncil@cu.edu[54] https://www.cu.edu/facultycouncil/awards/elizabeth-gee.html[55]
mailto:Karen.jonscher@ucdenver.edu[56] https://connections.cu.edu/stories/better-health-plan-ideas-suggestion-deadline-extended[57] https://www.cusys.edu/trust[58] mailto:gena.trujillo@cu.edu[59]
https://connections.cu.edu/stories/reminder-health-screenings-continue-today-through-nov-2[60]
http://www.becolorado.org/[61] https://connections.cu.edu/wp-content/uploads/2012/09/screenings-calendar_BeColo.pdf[62] https://www.securedata-trans9.com/ap/cuhealthscreening/index.php?page=10[63]
mailto:benefits@cu.edu