Dropping names ...[1]

Jeremy Németh

Jeremy Németh, assistant professor of planning and design and director of the Master of Urban Design program at the University of Colorado Denver, is co-editor of a special issue of the Journal of Urban Design titled "The Production of Public Space." The issue looks at the role of the built-environment professional - including architects, landscape architects and urban planners - in the creation of public spaces such as sidewalks, streets, parks and plazas. Németh also co-authored the introductory article for the issue, "Space, Place and the City: Emerging Research on Public Space Design and Planning," which is available here.

Eve Gruntfest

... **Eve Gruntfest**, professor emeritus in geography at the University of Colorado at Colorado Springs and a research associate at the CU Trauma, Health and Hazards Center, is serving a three-year term as a member of the National Oceanic and Atmospheric Administration (NOAA) Science Advisory Board.

Report coming soon on how benefits compare to other universities[4]

A comprehensive report comparing benefits, including tuition waivers, at comparable-sized universities around the nation will be released within a month, allowing the university to determine how competitive it is, said E. Jill Pollock, senior associate vice president and chief human resources officer, at the University of Colorado Staff Council's Sept. 2 meeting.

Tuition waivers are used at each campus but university employees say that restrictions can discourage and sometimes impede their chances of attending classes. Discussions of possible changes to the waiver plan have been ongoing for several months.

Staff Council will make tuition waivers one of its focus points this year, and Co-chair Lori Krug said she has approached the Faculty Council in an effort to join forces in order to try to improve benefits for employees.

Larry Drees, chair of the University Benefits Advisory Board (UBAB), said tuition benefits used to be limited to six credit hours, but after surveying other institutions, the general consensus placed CU on the lower end of the spectrum compared to other universities.

"We used to have more limitations about what we could do for employees because they looked like perks," Drees said, "and state statutes limit what you can do. We worked with legislators to get some flexibility."

Once flexibility was granted, it was recommended that the number of credit hours allowed for waivers be increased to nine hours and allow dependents to participate.

The University of Colorado at Colorado Springs is concluding a two-year pilot program that allows dependents to use the waivers. A report on the program's results should be released in a few weeks.

"I don't think there's any ... reason why we would not offer benefits to dependents," Pollock said. "The big deal is how we cost it - how we make it fair."

One of the challenges of the waiver benefits is that enrollees often must wait to register until a day before classes

begin. Also, the Denver campus is overwhelmed with participants because it offers more convenient evening classes. Supervisors also have offered varying degrees of support to employees depending on whether classes are considered job-related.

The outside firm conducting the over-arching study also will compare other employee benefits and perks offered at peer universities around the nation.

In other matters, Drees discussed the University of Colorado Health and Welfare Trust, the administrator of the university's self-funded health insurance plans. He said most employees shouldn't notice much change because of the recent transition to a self-funded system, although "there have been a few hiccups" in the way some people obtain maintenance drugs.

Pollock said 97 percent of public employers similar in size to the university are self-funded. Several years ago the institution attempted to self-fund its insurance plans without success.

"We have an incredible number of controls in place," Pollock said. "And something that we are going to do that we weren't able to do before is tell you how we are doing."

She said the plan allows the university to be transparent, including making public the amount of revenue that employee premiums have generated and what is being spent. The trust has reserved funds for high-dollar events - premature births, for instance - but the plan also contains a built-in, 2 percent reserve to deal with the unforeseen.

Self-funding also allows the university insurance plans to be tailored to meet the needs of employees, which in turn can save money for participants in the form of lower premium.

The university will make employee health a priority and will begin by rolling out a computer-based "health risk assessment" in January that will encourage employees to improve their health agenda. The university also will offer campus-based grants to develop and test health programs.

Lastly, Staff Council members discussed their annual retreat, scheduled for October. During the event, members determine agenda items for the upcoming year and participate in training and team building.

Journalism faculty members stress relevancy before advisory committee[5]

Professors from the School of Journalism and Mass Communications (SJMC) at the University of Colorado at Boulder spoke passionately Tuesday, Sept. 7, about their educational and research mission to a committee of five faculty members who will help determine the fate of the school.

Members of the Academic Review and Planning Advisory Committee (ARPAC), who are beginning the process of program discontinuance, heard professors defend the school and their positions as relevant to the region, students and businesses despite market forces that have shaken the journalism industry.

On Aug. 24, CU-Boulder Chancellor Philip P. DiStefano called for the discontinuance process to begin based on strategic and budgetary criteria. He also called for an exploratory committee to study a new program "for information and communication technology (ICT) that would enhance the quality of education that we offer to our undergraduate and graduate students."

About 35 people attended the first in a series of public forums ARPAC .... In October, the group will deliberate and prepare recommendations for the chancellor, who will then have 30 days to review the documents and make a recommendation to CU President Bruce D. Benson.

Several speakers, including Andrew Calabrese, professor and associate dean of graduate studies, said he understood the administrative decision to begin discontinuance. (The university must make the move as a part of the policy of program discontinuance[6] before it can revamp the school or move tenured faculty to another department or school on campus.)

But he and others argued that the traditional journalism school was important in the local, national and global arenas. He acknowledged that the school is "not as well-integrated with other areas of the campus."

SJMC Dean Paul Voakes said last week that the changing media landscape has exposed the inertia that happens at universities.

"We live in silos right now and it's hurting our students to not be able to take as much business or applied technology as they need. There are so many things that go into the skill set of journalists now. In (SJMC) now, you are pretty much limited in curricular offerings," Voakes said. "We can do the best we can to integrate technology in the courses we teach, but you would be so much more empowering to the students if they have coursework in those parts of computer science that make sense for media people, for example."

Michael Tracey, a professor at the school since 1988, said faculty argued for a revamp of the school in 1989, but nothing came of it.

"You are pushing an open door," he told the committee. "We agree (with the process) if it is done in a positive manner."

A year ago, the College of Information Task Force was formed to consider options concerning the school. Thereport[7] focused on technological advances and the production of information and focused little on traditional journalism, which has caused concern among the faculty.

During his 22 years with the school, Tracey said, the faculty has maintained its mission of research and preparing graduates with skill sets to obtain jobs. Throughout the years, he said, those skill sets have changed and the school has provided classes to accommodate undergraduate, graduate and Ph.D. students.

Professor Stewart Hoover, whose research focuses on media audiences, said he has partnered with professors in sister disciplines and is convinced of the importance of scholarship on the media. Focusing only on new media aspects of communications would be akin to the university in 1905 saying there needed to be "a department of the typewriter," he said.

ARPAC must focus on nine required issues for consideration of discontinuance, including the "uniqueness of the program to the state, CU system and the relevant geographic area."

Mindy Cheval, a senior instructor in the advertising sequence, said the school's program is the largest in the region and one of the strongest in the nation. It continually places graduates in good jobs and develops innovative entities, including Boulder Digital Works, which is self-funding and brings about $60,000 each year to the university.

Educators also cited other contributions of the school, including the Center for Environmental Journalism, which has received national and world renown; the strength of the internship program, which provides hires to numerous media outlets throughout the state; and the Ph.D. program, which is one of only two in the region.

Tracey said teaching values of journalism, ethics and critical thinking is imperative to a free and open democratic society. "It should not be about the bottom line. Edward R. Murrow could not be able to survive today," given the market forces.

One member of the committee told the group: "You had to know this was coming. How did you find yourself in this position?"

"We have a perfect storm here," said Professor Meg Moritz, adding that schools across the country are facing the

same struggles.

She also believes other factors have played into the decision to initiate discontinuance. She said CU is under budget constraints and the faculty has heard the mantra "cut narrow and deep" over and over. "As a small entity, we knew we were vulnerable."

At the same time the College of Information Task Force report was released in April, DiStefano received a letter from the external Advisory Committee of SJMC suggesting that change was needed and that the school be closed. Doug Looney, a CU alumnus and chairman of the board, called the school and its faculty and staff "dysfunctional" and, essentially, out of date. He has criticized the school for decisions concerning the CU Independent student news website and other faculty issues.

Calabrese said the impression put forth in the media was incorrect and said the comments were made with "singular ignorance and malice toward the school."

Faculty members at SJMC are preparing a document addressing ARPAC's issues for consideration. Another faculty forum was set to be held today; students will have a chance to speak to the committee Sept. 14 and 15. Additional comments may be sent to input@colorado.edu[8].

What's being considered
The Academic Review and Planning Advisory Committee (ARPAC) has begun the process of program discontinuance for CU-Boulder's School of Journalism and Mass Communications (SJMC). Members of the committee must deliberate these issues as required by university policy:

1. Centrality of the program to the campus mission;
2. Role of the program in the campus or college strategic plan (academic master plan);
3. Ability of the program to enhance the campus's reputation in the state and nation;
4. Excellence of the program or its promise for future excellence in teaching, research or both;
5. Cost of investing in the program to achieve and maintain excellence;
6. Uniqueness of the program to the state, CU system and the relevant geographic area;
7. Marketplace demand for the program;
8. The program's contribution to campus diversity, and;
9. Program's role in supporting other key programs at the campus.

Health and Wellness Center officially on its way[9]

[10]
The University of Colorado Anschutz Medical Campus on Tuesday, Sept. 7, broke ground on the development of a new 94,000-square-foot Health and Wellness Center. The Center will serve as the pre-eminent resource for people seeking to improve their health and prevent chronic disease.

With the goal of optimizing the health of people in Colorado and across the nation, the center will conduct research and offer state-of-the art, science-based clinical programs for individuals and communities to make meaningful, lasting changes in terms of weight management and healthy lifestyles.

"We are very proud to see the Health and Wellness Center come to life in Colorado," said James O. Hill, Ph.D., the center's executive director. "This facility will become a one-stop shop and national model for how health and wellness can be integrated, allowing us to generate and translate science into actual products and programs to change people's lives. We will emphasize the need for 'lifestyle medicine' in an effort to support prevention and manage chronic

disease."

The center will house and collaborate with the Center for Women's Health Research and will collaborate with and incorporate services from the Center for Integrative Medicine. It is designed to allow for collaboration by experts in the fields of nutrition, exercise physiology, obesity/weight management and behavior change. The resulting synergies will foster not only the development of knowledge from research, but the efficient and effective translation of advanced scientific understanding into clinical and community programming.

"With the obesity rate soaring in the U.S. and related health care costs totaling an estimated $147 billion each year, Dr. Hill and the center's leadership team are guiding Colorado as it takes a big step forward in combating these issues head on," said Lilly Marks, vice president for health affairs and executive vice chancellor of the Anschutz Medical Campus. "We are providing the blueprint for community organizations on how to be more than a resource by being an active partner in schools, communities, chambers, businesses and government to help people of all ages achieve healthier lives."

In March 2008, the Anschutz Foundation donated $15 million to establish the Health and Wellness Center on the Anschutz Medical Campus. The foundation also awarded an additional $2 million grant to support Hill's role as executive director of the center in April 2010. This gift established the Anschutz Foundation Endowed Chair in Health and Wellness, the first endowed chair supported by the Foundation. The University of Colorado Anschutz Medical Campus contributed additional resources to allow construction of a new building to house the center and for development and implementation of clinical and community programs.

Besides being a research facility, the center will offer a variety of public programs and services including weight management and exercise programs, a fitness center, a nutrition lab, cooking classes, an on-site grocery store and restaurant, seminars, summer camps and worksite wellness programs.

The center will have five levels (including a basement level) and is designed by Cannon Design/H+L Architecture. Construction will begin in October, and the facility is scheduled to be open for public use in the spring of 2012. To read more about the center, click here.[11]

Five questions for Amy Palmer[12]

Assistant Professor Amy Palmer and graduate student Jose Miranda at work in Palmer's lab.

One of Amy Palmer's life goals is to encourage everyone around her to find learning fascinating. Her passion for science is infectious, and the ways in which she explains complicated processes makes you question the wisdom ofnot choosing chemistry as a college major.

Palmer is an assistant professor in the department of chemistry and biochemistry at the University of Colorado at Boulder. She recently was honored with a National Science Foundation (NSF) CAREER Award that will help support her in her attempts to unravel salmonella bacteria's unique way of invading its host. Palmer hopes the research using a fluorescent protein will lead to the ability to block the bacteria's harmful, sometimes deadly, effects. Palmer's lab doesn't want to kill the bacteria, which she says would put a strong evolutionary pressure on it to resist antibacterial medication. Instead, she hopes to prevent the bacteria from getting inside cells and taking over the host.

More frequent outbreaks of salmonella poisoning in food sources, including the most recent in eggs, make her groundbreaking research all the more important.

— Cynthia Pasquale

1. Your research on salmonella has been focused on finding ways to track the bacteria's proteins in order to understand how they create an infection. How are you doing this?

When salmonella-contaminated food gets into your small intestine, there's something about the environment that causes it to turn on a bunch of genes that make proteins. It also creates what people refer to as a needle complex or secretion system, which is a large protein complex that looks like a needle or syringe. Just like a syringe, it's hollow inside. What salmonella does is poke the host cell and injects proteins. The proteins are like a little army that bind with molecules and hijack the cells. As a consequence, the host engulfs the proteins. Salmonella continues the process over and over again, enabling it to survive and replicate inside the host but evade the immune system. Because it is inside our own cells, the immune system can't sense it.

We know the proteins go to different parts of the cell but we know almost nothing about what they are doing and how they manipulate the host. Our research is focused on how to light up the proteins so we can track them in the complex environment of the host cell. We want to label the protein but not affect its function so that we can watch the protein and monitor it over the course of a whole infection.

Over the last 10 to 15 years, cell biologists have gotten good at tracking proteins in cells. A lot of this revolution arose from the discovery and development of the green fluorescent protein. Cell biologists use this naturally occurring protein to enable them to track movements of other proteins.

2. How are you using the fluorescent protein in your research?

The problem with tracking the invasion process of salmonella is that it essentially threads its proteins through a very narrow needle. If we take this beautiful fluorescent green protein and fuse it to the bacterial protein, the space limitation prevents the injection into the host cell and we can't track the proteins. Salmonella has 60 proteins and the invasion process is a coordinated action by a lot of players. Each protein depends on the others and what they do. So we can't take the proteins out of the context of the invasion without changing the process.

It's been a struggle to track a protein while still preserving this complicated invasion process, but we've adapted two technologies. In one, we label a bacterial protein with a small molecule fluorophore. It's cell-permeable, and when it gets inside, it binds to a specific tag that we have put on the protein we are interested in studying and it causes the molecule to turn on the fluorescence. We can then watch it as it gets secreted in the host cell.

We also took the green fluorescent protein and split it into two pieces. One piece is very small; the other is big, about 95 percent of protein. When we break it apart, it is no longer fluorescent. The small fragment is put onto a protein inside the bacteria, and the large is expressed in the host. When the bacteria secrete the protein, the host then contains both pieces, which spontaneously find each other, and the fluorescence turns back on. So now we can light up the proteins and track how they move around inside the host.

A photo of salmonella taken by Schuyler Van Englenburg, one of Palmer's students. The salmonella is seen as green inside host cells.

3. How did you become interested in chemistry as a career?

I was an undergraduate at Dartmouth College and had an excellent professor who offered me the opportunity to do research in her lab. It really opened up an area of science that I had never seen before. I saw science as open-ended and exciting and creative. I always knew I wanted to go into academics, but I was choosing between a major in Russian and chemistry. When I was in high school, I was in a program called Peace Child, a summer theatrical exchange program between Russia and America. I had gone to the Ukraine and there was something about the culture that fascinated me, so I started taking Russian classes. I would have been in St. Petersburg had I not wound up doing research in this professor's lab. It made me want to be like her in a way, to be able to show students a side of science that we sometimes don't teach, which is the inquiry-based side of things.

I was hired through CIMB (Colorado Initiative in Molecular Biotechnology) and was able to choose my home department, chemistry. CIMB does an amazing, almost unparalleled, job of fostering connections between people in different departments and promoting collaborations and conversations. Sometimes we get so siloed in our departments that we don't talk to each other and CIMB really breaks down those barriers. It enabled me to meet people in physics and engineering and this has led to lots of collaborations. I identify as a chemist, but my research is all over the map.

4. What is one of your life goals?

When I think of myself and my trajectory of how I ended up here, I feel like I was fortunate because I interacted with people who either helped cultivate or deepened by love of learning. In the case of science, it was this one female professor who showed me a different side of science and tried to get me excited about learning and the world around me. When I think of myself both as a teacher at the university or as mentor to my students or a mom, I think my primary goal is to see if I can somehow impart or encourage people to find learning fascinating. I want them to be inquisitive, to look at the world around them and say, "Wow, this is exciting," and to not limit themselves.

5. What is your life like outside the lab? Scientists, even chemists, are sometimes stereotyped as nerdy. How do you feel about that?

I have two small kids - a 51/2-year-old son and a 3-year-old daughter - and much of my time is spent with them and my partner who also is a faculty member at CU. We go camping and we taught both kids how to ski. My 3-year-old likes to be out of control, so we keep her on a leash on the slopes to make sure she doesn't crash into everyone else. I used to do rock climbing; it was a passion through grad school, but it's harder to find time as a faculty member and your sense of safety is very different as a parent.

As far as stereotypes are concerned, I experience that all the time. If you go to a party, and people say "What do you do," and I tell them I'm a chemist, 85 percent of the time their response is, "Wow. I hated chemistry in college." I think scientists oftentimes are portrayed in the popular media as being not quite socially adept, or not being able to interact or communicate in certain situations. I don't like to think that categorizes me. I do get incredibly excited about scientific questions. Does that make me nerdy? I spent most of my childhood climbing trees and I was a competitive swimmer; I was not hidden away in my garage with a chemistry set. One of the reasons I wanted to become a professor is to show people that there's not one way to be a scientist or a professor. There are lots of ways of doing this job.

System Staff Council seeks nominations for President's Employee of the Year[15]

System Staff Council is soliciting nominations for the fourth annual President's Employee of the Year Award.

The 2010-2011 President's Employee of the Year Award will be presented to a system administration employee in recognition and appreciation of exceptional job performance. An award of $1,000 (subject to payroll taxes) will be presented to the winner at a recognition reception hosted by System Staff Council on Oct. 22.

All system administration classified and professional exempt staff may be nominated for the award; however, temporary employees, student workers, university officers, the HR director and recognition committee are ineligible.

Nominations are accepted from fellow staff, faculty or students who have first-hand knowledge of the nominee's performance. The nominee's supervisor must provide written approval of the nomination.

A letter of nomination and two or three additional letters supporting the nomination should be sent electronically to Lisa Landis, HR director, at lisa.landis@cu.edu[16] (confirmation of receipt will follow). Each total submission should not exceed six pages. Nomination letters must describe why the person deserves to receive the award.

Nominations will be accepted through **5 p.m. Friday, Sept. 24.**

A successful nomination letter should include the following information:
Performance: Describe the traits that make the nominee personally and professionally successful. How does his/her performance serve as an example to others? How does s/he show accountability and pride in job duties/processes? What does s/he contribute to the daily operation of the unit? **Customer service:** How is the nominee responsive to and supportive of customers and colleagues? In what way does the nominee show respect for colleagues and customers, including those with different opinions, skills, and objectives? **Teamwork:** In what way has the nominee acted to bring others together into a cohesive unit, or demonstrated a willingness to take action within a team framework? How is his/her willingness to share time, energy and knowledge for the benefit of the unit or customer demonstrated? **Leadership:** How has the nominee demonstrated leadership? **Excellence:** How is the nominee's willingness to go the extra mile demonstrated? How does s/he contribute to the greater CU community?

The HR Director and the recognition committee will consider all nominations and make a determination based upon the criteria listed above.

University Press lauded for innovation[17]

The University Press of Colorado[18] recently was featured in "The 17 most innovative university presses," an article posted at the Huffington Post[19].

University Press is a nonprofit cooperative enterprise supported in part by a consortium of eight Colorado public universities, including CU. Three CU faculty members and one administrator sit on its board of trustees; **Kathleen Bollard**, associate vice president and academic affairs officer, was elected chair last year.

"For whatever shortsighted reasons, newspapers and mainstream media in general give short shrift to the vast output of our great university presses," writes Anis Shivani. "The misimpression should be removed: university presses do not publish boring or excessively weighty or arcane books. They may not be into showmanship and high-stakes publicity maneuvers, but their steady, unrelenting focus on particular subject areas creates vast bodies of new knowledge that the mainstream reviewing community makes a great mistake in ignoring."

In his comments for the article, Darrin Pratt, director of the University Press, says it is "dedicated to publishing cutting-edge, significant scholarship in the fields of archaeology, history, and natural history. As an institution, we are committed to our authors and ensuring that they have a very pleasant publishing experience with UPC, and we also take pride in being a good place to work.

"Recently, we took the lead on a very exciting collaboration among six university presses, called the Archaeology of the Americas Digital Monograph Initiative, to help guide our transition into a digital publishing environment."

Recent titles that Pratt mentioned: Anthony Aveni's The End of Time: The Maya Mystery of 2012[20]; Crossroads of Culture: Anthropology Collections at the Denver Museum of Nature and Science[21]; and Lane Ryo Hirabayashi'sJapanese American Resettlement Through the Lens[22].

Upcoming titles include: Ethelia Ruiz Medran's Mexico's Indigenous Communities: Their Lands and Histories, 1500-2010[23]; Helen Haines and Clare Sammells's Adventures in Eating: Anthropological Experiences in Dining From Around the World[24]; David Robertson's Hard as the Rock Itself: Place and Identity in the American Mining Town[25]; and Sarah Lyon's Coffee and Community: Maya Farmers and Fair-Trade Markets[26].

Series of three Supplier Showcases begins Thursday[27]

[28]
Denver event to be followed by Boulder, Colorado Springs

Representatives from various campus departments also will be on hand to discuss a variety of topics, including sustainability and ethics. Procurement Service Center (PSC) staff will be available to answer questions.

More than 1,200 CU employees are expected to participate in the campus events:

Anschutz Medical Campus
9 a.m. to 2 p.m. Thursday, Sept. 9, Research Center 2, Second Floor Conference Room

CU-Boulder
10 a.m. to 2 p.m. Wednesday, Sept. 15, UMC Glenn Miller Ballroom

UCCS
10 a.m. to 2 p.m. Tuesday, Sept. 21, University Center Ballroom

Showcase sponsor Staples will be featured at each showcase, and Staples' office supply partners also will be present. Also in attendance will be representatives from Colorado Correctional Industries, the division of the Colorado Department of Corrections that sells furniture and other items manufactured by Colorado prison inmates.

"Showcase exhibitors will include suppliers from the hospitality and scientific industries, as well as other vendors offering an array of goods and services," said Penny Davis, small business liaison officer with PSC. "We invite all faculty and staff, regardless of their home campus, to join us at any or all of the showcases."

Davis encourages faculty and staff who would like to attend to register so that PSC can plan adequately. Complete information and a registration form is available at https://www.cusys.edu/psc/[29].

What happens when a star explodes? Take a look[30]
Image courtesy NASA
A team of astronomers led by the University of Colorado at Boulder are charting the interactions between Supernova 1987A and a glowing gas ring encircling the supernova remnant known as the "String of Pearls."
Image courtesy NASAA team of astronomers led by the University of Colorado at Boulder are charting the interactions between Supernova 1987A and a glowing gas ring encircling the supernova remnant known as the "String of Pearls."

Observations made with NASA's newly refurbished Hubble Space Telescope of a nearby supernova are allowing astronomers to measure the velocity and composition of "star guts" being ejected into space following the explosion, according to a new study led by the University of Colorado at Boulder.

The team detected significant brightening of the emissions from Supernova 1987A, which were consistent with some theoretical predictions about how supernovae interact with their immediate galactic environment. Discovered in 1987, Supernova 1987A is the closest exploding star to Earth to be detected since 1604 and resides in the nearby Large Magellanic Cloud, a dwarf galaxy adjacent to our own Milky Way Galaxy.

The team observed the supernova in optical, ultraviolet and near-infrared light, charting the interplay between the stellar explosion and the famous "String of Pearls," a glowing ring 6 trillion miles in diameter encircling the supernova remnant that has been energized by X-rays. The gas ring likely was shed some 20,000 years before the supernova exploded, and shock waves rushing out from the remnant have been brightening some 30 to 40 pearl-like "hot spots" in the ring - objects that likely will grow and merge together in the coming years to form a continuous, glowing circle.

"The new observations allow us to accurately measure the velocity and composition of the ejected 'star guts', which tell us about the deposition of energy and heavy elements into the host galaxy," said CU-Boulder Research Associate Kevin France of the Center for Astrophysics and Space Astronomy, lead study author. "The new observations not only tell us what elements are being recycled into the Large Magellanic Cloud, but how it changes its environment on human time scales."

A paper on the subject was published in the Sept. 2 issue of Science. The international study involved co-authors from 15 other universities and institutes and included CU-Boulder astrophysicist Richard McCray, the Science paper's second author.

Hubble is the only observatory in the world that can observe the brightening of the String of Pearls in ultraviolet light, France said. Most of the data for the study was gathered by the Space Telescope Imaging Spectrograph, or STIS, which was installed on Hubble in 1997 and was one of the workhorse instruments before its power supply failed in 2004. A faulty circuit board on STIS was replaced by astronauts on the final Hubble repair mission in May 2009.

The team compared STIS observations in January 2010 with Hubble observations made over the past 15 years on 1987A's evolution. STIS has provided the team with detailed images of the exploding star, as well as spectrographic data - essentially wavelengths of light broken down into colors like a prism that produce unique fingerprints of gaseous matter. The results revealed temperatures, chemical composition, density and motion of 1987A and its surrounding environment, France said.

Because the supernova is roughly 163,000 light-years away, the explosion occurred in roughly 161,000 B.C., France said. One light year is about 6 trillion miles.

"To see a supernova go off in our backyard and to watch its evolution and interactions with the environment in human time scales is unprecedented," he said. "The massive stars that produce explosions like Supernova 1987A are like rock stars - they live fast, flashy lives and die young."

France said the energy input from supernovae regulates the physical state and the long-term evolution of galaxies like the Milky Way. Many astronomers believe a supernova explosion near our forming sun some 4 to 5 billion years ago is responsible for a significant fraction of radioactive elements in our solar system today, he said.

"In the big picture, we are seeing the effect a supernova can have in the surrounding galaxy, including how the energy deposited by these stellar explosions changes the dynamics and chemistry of the environment," France said. "We can use this new data to understand how supernova processes regulate the evolution of galaxies."

Some of the upcoming Hubble observations of Supernova 1987A will be made with the Cosmic Origins Spectrograph, a $70 million instrument designed by a team at CU-Boulder's Center for Astrophysics and Space Astronomy that was installed on Hubble during the 2009 servicing mission. The instrument is designed to help scientists better understand the "cosmic web" of material permeating the cosmos by gathering information from UV light from distant objects, allowing scientists to look back in time and space and reconstruct the condition and evolution of the early universe.

France became a member of the Cosmic Origins Spectrograph science team in 2007 and has been using data gathered by instrument to study topics ranging from the chemistry of the early universe about 2.5 billion years after the Big Bang occurred roughly 13.7 billion years ago, to the evaporation of the atmosphere around a planet that is orbiting another star. "COS has been extremely productive in the early phases of its mission and has great scientific breadth," France said.

[First fall forum focuses on enrollment, links to budget][32]

It takes an estimated 40,000 student contacts to get 15,000 responses that move through application, acceptance and enrollment of a UCCS freshman class of 1,100 to 1,200 students, according to Homer Wesley, vice chancellor for student success and enrollment management.

Wesley demonstrated what he called a "recruitment funnel" during the first forum of the fall semester on Tuesday, Aug. 31. The funnel illustrated the arduous process of casting a broad net of interest to enrolling the strongest freshman class possible.

"I want to thank everyone for their hard work," Wesley said. "Our numbers appear to be strong. A freshman class that we believe will have 1,150 students is something to celebrate. I simply want to say that it takes the effort of everyone to make those contacts and to maintain those relationships through enrollment and as a student continues toward graduation."

Enrollment was a central theme to the first fall forum and is a key component to the university's budget. Final enrollment figures will be available Thursday, Sept. 9.

Chancellor Pam Shockley-Zalabak said she is confident UCCS will surpass its 3 percent enrollment growth target.

"We are stable," Shockley-Zalabak told a group of about 90 in the University Center Theater. "We are not affluent. We can meet the challenges ahead but it requires the work of everyone in this room and that of those who are not here."

Martin Wood, vice chancellor of University Advancement, outlined marketing plans to support enrollment. Plans call for mailings to all Colorado high school students and to selected students living outside of Colorado. There also will be radio, newspaper and limited Denver-based TV advertising. Wood also used new campus banners as illustrations of efforts to boost campus pride and provide a welcoming atmosphere.

Shockley-Zalabak and Brian Burnett, vice chancellor of administration and finance, reviewed budget projections made last spring and updated the group on actions including Senate Bill 10-003, which provided flexibility for tuition increases and requires submission of plans for coping with a 50 percent reduction in state funding following the withdrawal of federal stimulus monies. The withdrawal of federal stimulus funds often is referred to as a funding cliff for the university.

Burnett and Shockley-Zalabak reviewed budget cuts made during the past two years and projections for tuition and fees paid by students, and revenue from auxiliary enterprises, and restricted-use funds such as grants, contracts and gifts.

"In all areas that we control, you see the numbers going up and to the right," Shockley-Zalabak said. "The one area we don't control is state support. I want you to see how real this is and that our collaborative planning has prepared us."

[Student Support Services program awarded $1.2 million grant][33]

The University of Colorado Denver recently received $1.2 million from the U.S. Department of Education for a Title IV grant for the UC Denver TRiO Student Support Services program. The program, which received a perfect score, provides academic retention services for first-generation and low-income students.

UC Denver's TRiO Student Support Services[34] is a program that has been on the Auraria campus for more than 30 years. The program serves students from all disciplines and includes first-generation, and/or low-income and/or students with disabilities. It aids 165 students per semester, with a very high majority being both first-generation and low-income. The program is federally funded through the Department of Education.

Student Support Services is required to compete for funding for this grant every five years. In the last competition there were 1,475 applicants for Student Support Services programs - 1,026 were awarded grants for 2010-11 and the cut-off score on these grants was 95.67 out of 100 points.

"I am just ecstatic that we did so well in this competition," said Teresa De Herrera, director of TRiO-Student Support Services at UC Denver. "We have worked really hard to bring the program to the level of success we are experiencing now and I feel very proud of my staff, both professional and student staff. Likewise, I am so proud of the successes of our students. They all have shown a strong desire to succeed at UC Denver and I feel privileged to be a part of their lives and to watch as they make their dreams come true. We try to make the TRiO Student Support Services office feel like a home away from home for our students and I think that philosophy is paying off."

De Herrera said that before the initiation of the Higher Education Opportunity Act (HEOA), these grants ran for four years and the grant programs which scored in the top 10 percent would receive an additional year of funding added to their project. Now with HEOA, every grant is funded for five years.

"Colorado as a whole did very well in this competition," De Herrera said. "Although we do not have the official list from the Department of Education, we do know that 14 of our colleagues in the state have reported on their continued funding. Additionally, eight new programs were funded."

Said Frank Sanchez, Ph.D., associate vice chancellor for student affairs, "The Title IV five-year continuation award will ensure UC Denver can provide ongoing support and guidance for so many of our first-generation and low-income college students. Student Support Services has a remarkable track record for empowering and encouraging UC Denver students to complete their undergraduate degree and excel in their chosen fields. Under the leadership of Ms. Teresa De Herrera, M.S., the Student Support Services program has become a state and national model for how these programs effectively serve a growing and diverse population of students in Colorado. This is evident from the proposal's perfect score and review."

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Diversity leader enjoys honor at parade[36]

Kee Warner

Kee Warner, associate vice chancellor for diversity and inclusiveness for the University of Colorado at Colorado Springs, served as the grand marshal for the 44th Annual Fiesta Day Parade Sept. 5 in Pueblo. Warner led the 2010 Fiesta Day queen and her court, and other dignitaries, in a parade that honored the many cultures and ethnicities that form today's Hispanic communities. Warner asked to be listed in the program as Kee Warner Carrillo, following the Latin American tradition of using both the father's and mother's surnames.

Warner was selected as grand marshal to recognize his leadership and collaboration in advancing education within Hispanic communities and his engagement with the parade's theme of "Mestizaje: Many Cultures, One Future."

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Retired Army officer takes post at UCCS[38]

Edward G. Anderson III

A retired U.S. Army lieutenant general will lead grant and contract development for the National Institute of Science, Space and Security Centers (NISSSC) at the University of Colorado at Colorado Springs.
Retired Army Lt. Gen. **Edward G. Anderson III**, currently a member of the NISSSC advisory board, began the role of executive director Sept. 1. The position is part-time, said Chancellor Pam Shockley-Zalabak.

"Gen. Anderson brings to UCCS valuable experience in understanding the needs of our nation's military," Shockley-Zalabak said. "Additionally, I believe his experience with one of the country's largest consulting firms will assist the center in charting its future course."

Anderson will seek grants, contract and gift funds for NISSSC. Scott Trimboli, managing director of the Center for Space Studies at NISSSC, will continue to be responsible for day-to-day operations of the institute.

Following his 2004 retirement from the Army, Anderson served as a principal to the national consulting firm of Booz-Allen-Hamilton. Previously, he spent 39 years in the Army with experiences ranging from command of field artillery units to his final posting as deputy commander of U.S. Northern Command and vice commander of U.S. Element, North American Aerospace Defense Command at Peterson Air Force Base.

He earned a bachelor's degree from the U.S. Military Academy, West Point, N.Y., a master's degree in aeronautical engineering from the Georgia Institute of Technology, Atlanta, and a master's degree in national security and strategic studies from the Naval War College. His awards and decorations include the Defense Distinguished Service Medal, Army Distinguished Service Medal, Legion of Merit with two oak leaf clusters and Bronze Star.

NISSSC[40] incorporates four research- and teaching-oriented centers, including the Center for Homeland Security, the Trauma, Health and Hazards Center, the Center for Space Studies and the Center for Science, Technology, Engineering and Mathematics Education.

Associate dean leads unique conference in Aspen[41]

Anita Glicken

Anita Glicken, M.S.W., associate dean for physician assistant (PA) studies at the University of Colorado Denver, recently held a conference in Aspen that included leadership from the PA profession, dentistry and medicine on the integration of oral health into physician assistant primary care practice.
Glicken says it was the first meeting of its kind, pulling together the elected and staff leadership of four professional organizations to consider action on a clinical issue.

Books in SkillSoft restocked for semester[43]

New books are available regularly in SkillSoft **Books24x7**. Readers may want to break in the new semester, new fiscal year, or just start the month of September by perusing available titles.

Books24x7 offers more than 10,000 books; a number of available books are by faculty at the University of Colorado. The two most-read books by CU employees are "Excel 2007 Bible" and "175 Ways to Get More Done in Less Time!"

Topics include:
Business skills Change management Finance and accounting First-time manager Work-life balance

All titles in Books24x7 are free.

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