New director to lead Graduate Career Connections[1]

Karen Niparko

Karen Niparko, recently hired as director of the University of Colorado Denver Business School's Graduate Career Connections (GCC), will lead the effort to help connect employers with students seeking job opportunities and encouraging executive involvement with the school's students and faculty.

"Employers recognize the many benefits of developing a strategic relationship with a great business school," Niparko said. "Whether contributing in the classroom, sharing insights with students preparing for their careers, participating in our Leadership Café speaker series or identifying candidates to fill open positions, our hope is that the Graduate Career Connections office will become an essential resource to business leaders in this area and region."

Niparko holds a bachelor's degree in behavioral sciences from the University of Michigan and an MBA in organizational behavior and human resources management from the CU-Boulder. She also is a member of the Business School advisory board; adviser with Advisory Board Architects; and principal of Corporate Solutions Consulting Inc., a human resources/business operations consulting practice.

Niparko will serve as a key contact for employers looking for talent referrals and will orchestrate strategic networking and educational events for students. On Niparko's team is Terri Vasquez, GCC's adviser, who helps students with their job search plan and advises employers on how to maximize the visibility of their job opportunities with students, alumni and faculty. Terri also manages the day-to-day functions of the GCC office.

GCC is the newest resource from the Business School connecting businesses with current business students and alumni. The GCC collaborates and partners with UC Denver's Career Center and Experiential Learning Center to facilitate career opportunities for Business School students and alumni.

"Working in the human capital and talent acquisition field for many years, the GCC team knows networking and connecting people is how the game is played," Niparko said. "Those students who network effectively and take ownership for managing their career search have the greatest chance of landing the opportunities they want, even in a challenging business environment. Our job is to help employers connect with these students and guide them toward their next top-performing employee."

The Business School at UC Denver [3]is the largest accredited graduate school of business in Colorado with more than 19,000 alumni. The school serves more than 1,200 graduate students and 1,400 undergraduate students each year. Currently, the school is preparing to move into a new location at 1475 Lawrence St. in downtown Denver. The new building will serve as a hub for all aspects of business education for students, faculty and community business partners.

Dropping names ...[4]

Dan Tollin

Dan Tollin, an assistant professor of physiology and biophysics at the Anschutz Medical Campus, received the Young Investigator Award from the National Organization for Hearing Research at the recent annual meeting of the Association for Research in Otolaryngology. ... **Ed Cannon**, an assistant professor at the School of Education and Human Development at the University of Colorado Denver, has published an article on "Queer Theory as Pedagogy in Counselor Education: A Framework for Diversity Training" in the Journal of LGBT Issues in Counseling. ...**Chuan Li**, in

the cancer cell biology program at the School of Medicine Department of Radiation Oncology at the University of Colorado Denver, has a new paper in the Feb. 23 issue of Science Signaling, "Apoptotic Cells Activate the 'Phoenix Rising' Pathway to Promote Wound Healing and Tissue Regeneration." Listen to the podcast: Science Signaling, Dr. Li. [6]

Farah Ibrahim

... **Farah Ibrahim**, a professor of counseling psychology and counselor education, recently was honored with a Lifetime Achievement Award by the Beta Alpha Omega chapter of Chi Sigma Iota (CSI) at the University of Colorado Denver. Ibrahim received the honor because she is the longest-term member of the chapter and recognized as an esteemed faculty member, counselor and author.

Board of Regents receives grim budget outlook, plans March 29 tuition vote[8]

By Deborah Méndez-Wilson

The University of Colorado system is considering a proposal to raise tuition starting this fall by up to 9 percent for resident undergraduate students on three of its campuses.

During a special meeting today in Denver, the CU Board of Regents received a grim budget overview for the university, and scheduled a March 29 tuition-setting meeting on the UC Denver Downtown Campus. The regents said they wanted to gather more input and public comment from students, faculty and staff before voting on the proposed tuition increases.

"We need time to communicate with students and faculty," said Regent Michael Carrigan, D-Denver.

The proposal to raise tuition for resident undergraduate students in Boulder, Colorado Springs and Denver is in line with the 9 percent cap set by Gov. Bill Ritter earlier this year. Among other goals, the proposed tuition increases would help the university offset a severe state funding shortfall, maintain the quality of its academic programs and student services, and keep its pool of institutional financial aid for low- and middle-income students, administrators said.

If the board increases tuition by up to 9 percent, it would translate into a $580 annual increase for the average College of Arts & Sciences resident undergraduate student at CU-Boulder; $504 at UC Denver; and $420 at UCCS.

"As a whole, students don't want to see an increase in tuition," said Dustin Farivar, chair of the CU Intercampus Forum, a student governance group.

Farivar said most students understand CU is grappling with serious budget challenges, but want to make sure the university remains committed to access and affordability for all students. He urged the regents to ensure that CU campuses maintain the necessary staff and resources to shepherd students from high schools into college and help them matriculate successfully after they arrive at CU.

"We have low-income and medium-income families trying to plan for educating their children now and in the coming years," he said. "The college application process is complicated and the financial aid process is that much more complicated. We want to make sure those resources are available."

State cuts to higher education have made it difficult for CU and other Colorado universities to avoid broaching the idea of tuition increases to help fill their funding gaps.

Since July, CU has watched its state funding plummet by 58 percent, down from $209 million to $88 million, and administrators believe it is likely to continue to decline as state lawmakers struggle to balance the state's budget amid declining tax revenues. Under a worst-case scenario, the university is projecting a funding gap of $170 million through fiscal year 2012.

The CU system is addressing its funding shortfall through continued budget cuts, greater administrative efficiencies and revenue enhancements, but the university might not be able to rely on significant state support in the future, said Kelly Fox, vice president and chief financial officer for the CU system.

"The state is still grappling with this idea that higher education could be looking at zero funding, or a very limited pool of funding," she told the regents during her budget overview.

The university currently is backfilling its budget shortfall with federal stimulus funding that will run out at the end of the 2011 fiscal year. Fox told the regents that a recent report indicated that Colorado's universities are more reliant on stimulus dollars than other institutions around the country, an indication that they have absorbed more cuts proportionately than their peers.

California is next highest on the list for state educational systems that are relying on stimulus dollars to stay in business, "and we've seen the headlines in California," Fox said. "It's a serious situation there."

Staff Council readying conference for next month[9]

Recipients of the annual Service Excellence Award were selected at the Thursday, March 4, meeting of the University of Colorado Staff Council. The awards recognize individuals who have provided outstanding volunteer service to their campus, community/civic/professional activities and the university.

Four recipients – one each from the Boulder, Colorado Springs and Denver campuses and one from system administration – were selected from submitted nominations. The names won't be announced until April 16, when chancellors from each campus and President Bruce D. Benson will introduce the awardees during the All Staff Council Conference in Boulder. Each recipient will receive a $1,000 cash prize.

The conference also includes a leadership workshop, breakfast and lunch, campus reports and a presentation on the CU-Boulder Center for Community, an under-construction building that will include a student center, dining area and student services.

Also during the staff council meeting, E. Jill Pollock, senior associate vice president and chief human resources officer, discussed the university's move to benefits self-funding. The plan, which would allow the university to better manage health benefit plans, could cut costs over time from 3 percent to 8 percent annually, she said. Self-funding also would allow the university to design health plans that fit the needs of employees.

In addition, Pollock said, a complete benefits review is under way to compare what CU offers, including tuition waivers, with what other organizations with whom CU compares offer. She said surveys may be conducted to find out about services desired by employees in order to determine if group plans are feasible.

The university also is focused on a wellness and prevention program that would begin with a voluntary health-risk assessment that employees could complete online. Pollock said studies show such assessments, along with medical management programs, can reduce health costs over time by up to 3 percent, slow the rate of increase in health plan rates and cut down on absenteeism. About 1 percent of the money received from employee and employer medical premiums would go to the health and wellness program.

"This is a great opportunity for the University of Colorado, and by extension, the state of Colorado, to lead the nation" in improving the health of its people, she said.

In other business, Dan Montez, director of the Office of Policy and Efficiency, said the Task Force on Efficiency continues to review[10] university policies and within the next few months will complete policies concerning alternative work schedules, leave sharing and use of alcoholic beverages at university events.

Educators share in serious fun at learning conference[11]

Photo/Caroline Seib
CU President Bruce D. Benson, second from left; his wife, Marcy Benson, center; and Mary Ann Shea, director of the President's Teaching Scholars Program, chat with attendees of the program's sponsored conference on Friday, March 5, at the Anschutz Medical Campus. The daylong event consisted of presentations and panel discussions on the topic "How Our Students Learn: Implications for Faculty."
Photo/Caroline SeibCU President Bruce D. Benson, second from left; his wife, Marcy Benson, center; and Mary Ann Shea, director of the President's Teaching Scholars Program, chat with attendees of the program's sponsored conference on Friday, March 5, at the Anschutz Medical Campus. The daylong event consisted of presentations and panel discussions on the topic "How Our Students Learn: Implications for Faculty."

Some 100 faculty members from throughout the University of Colorado system gathered Friday, March 5, to talk shop at the President's Teaching Scholars Program[13] (PTSP) conference. The daylong lineup of presentations and panel discussions took aim at the topic "How Our Students Learn: Implications for Faculty."

The unofficial theme might have been "Serious Fun," thanks to presentations that mingled playfulness with scholarship. In their presentation on teaching procedural skills, husband-and-wife Matt and Katie Rustici, second-year residents at the Anschutz Medical Campus, showed a clip from the TV comedy "Scrubs" and handed out toddler shoes to the audience for an exercise in automated processes. It turned out that tying a shoe with your non-dominant hand is a much more difficult task than imagined.

Ed Rivers, professor and President's Teaching Scholar with the English department at CU-Boulder, tinkered with Apple's Garage Band program to show how the metaphorical right brain and left brain can be put into action simultaneously. The program, which enables easy composition of music via canned loops and sounds, can lead to revelatory communication, he said: One student's seemingly senseless cacophony of videogame music and effects turned out to be an articulation of what it feels like to endure bipolar disorder.
Photo/Caroline Seib
Professor Ed Rivers of the English department at the University of Colorado at Boulder presents a session during the President's Teaching Scholars Program conference. He demonstrated Apple's Garage Band program to show how its use relies on the metaphorical left and right sides of the brain.
Photo/Caroline SeibProfessor Ed Rivers of the English department at the University of Colorado at Boulder presents a session during the President's Teaching Scholars Program conference. He demonstrated Apple's Garage Band program to show how its use relies on the metaphorical left and right sides of the brain.

"I was very moved by the project and by the student's expression," Rivers said.

For the day's plenary address, Jerry Rudy, psychology professor at CU-Boulder, took the audience on a fantastic voyage of sorts with his "Hitchhiker's Guide to How the Brain Learns and Remembers." Slides and animation showed how memories form like popcorn erupting on spiny neurons. He discussed what sounds like science fiction: erasure of specific memories from the mind. It's real science that's currently being researched, he said.

The event also featured serious contemplation, such as four professors from the University of Colorado at Colorado Springs, all women of color, who led a panel discussion on the challenges such educators face.

"What do you need to look like, speak like, dress like ... for students to respect your authority?" said Rashna B. Singh, an English professor. Lynda Dickson, a sociology professor, related the story of a critical "e-mail from hell" sent by a student, and the ensuing question it raises: Is the criticism racially motivated?
Photo/Caroline Seib
Professor Jerry Rudy of the psychology department at the University of Colorado at Boulder lectures during the plenary session at the President's Teaching Scholar Program conference at the Anschutz Medical Campus. In his talk, "The Hitchhiker's Guide to How the Brain Learns and Remembers," he discussed the process of forming memories and the new possibility of deleting specific memories.
Photo/Caroline SeibProfessor Jerry Rudy of the psychology department at the University of Colorado at Boulder lectures during the plenary session at the President's Teaching Scholar Program conference at the Anschutz Medical Campus. In his talk, "The Hitchhiker's Guide to How the Brain Learns and Remembers," he discussed the process of forming memories and the new possibility of deleting specific memories.

Marty Bickman, professor and President's Teaching Scholar with the English department at CU-Boulder, showed the other end of the spectrum during his presentation, "How Our Students Learn: Why Not Ask Them?" He led a panel of three Boulder graduate students who also teach; they talked about educators and students working together. "It seems to me we ought to ally with our students," Bickman said.

udy Strathearn said it's a good idea for grad students to teach "because we're on both sides of the fence." Her advice to educators: "Be who you are every day when you walk into the classroom," she said. "Let (students) see who you really are."

The event opened with a welcome from Mary Ann Shea, director of the PTSP, a presidential initiative that endorses excellence in teaching by honoring faculty throughout the university who excel in teaching, scholarship and research. CU President Bruce D. Benson also spoke and answered questions, including one about his own time as an undergraduate at CU-Boulder.

"I had a wonderful experience," Benson said, noting that he was "not a partying guy."

"I had great professors," he added, mentioning Bruce Curtis as his adviser and favorite professor. In 2002, after Benson and his wife, Marcy, made a donation to the CU-Boulder Museum of Natural History, the building was renamed the Bruce Curtis Building in honor of the professor emeritus.
Photo/Caroline Seib
Professor Lynda Dickson of the University of Colorado at Colorado Springs sociology department addresses the audience during "Teaching Back: When 'true speaking' in the classroom is seen as threat," a panel discussion during the President's Teaching Scholar Program (PTSP) conference at the Anschutz Medical Campus on Friday, March 5.
Photo/Caroline SeibProfessor Lynda Dickson of the University of Colorado at Colorado Springs sociology department addresses the audience during "Teaching Back: When 'true speaking' in the classroom is seen as threat," a panel discussion during the President's Teaching Scholar Program (PTSP) conference at the Anschutz Medical Campus on Friday, March 5.

Five Questions for Leigh Holman[17]

[18]
From 2006 to 2009, Leigh Holman served as director of the Opera Colorado Ensemble Artists, staging productions and

developing the program's young artists. Since last June, she's worked with the student artists at the University of Colorado at Boulder, where she's director of CU Opera. CU-Boulder also is where she earned her doctorate in musical arts; her bachelor's degree in music is from the University of Southern California. The mezzo-soprano also earned a graduate opera performance degree on full fellowship from the Eastman School of Music. She previously served as chair of the voice and opera studies area at the University of Arkansas at Little Rock, where she founded an opera program.

The stage director's latest production,Mozart's "Don Giovanni,"[19] plays at Macky Auditorium from Friday, March 12, through Sunday, March 14. In April, she'll helm CU Opera's "Our Town[20]," an American work that's just a few years old. In between the two stagings, she might find some free time to go hiking or motorcycle riding with her husband, a Boulder High School guidance counselor. At the moment, though, a certain Don Juan is occupying most of her time.

— Jay Dedrick

What makes Mozart's "Don Giovanni" relevant to audiences in 2010?
The opera was written in the 1700s, and the play is from the 1600s, but it's still about real people and the heartbreaks we get through in life. The story's relevant in the sense that people are people. We can relate to these people who have been harmed and hurt and who grow throughout.

It's the story of Don Juan: He's drawn to the obsession of seducing women and it overtakes him. The audience can be hard-pressed to relate to Don Giovanni. He seems to be evil. I don't perceive him as evil; in his mind, I don't think he has a choice.

Mozart is the ultimate dramatist in the sense that his music, not just the text, really evokes a human emotion. His music is relevant no matter the time period because he's a genius. An evening out, going to the opera and hearing the music of Mozart is really special. I don't want to jinx it, but we're having some of the best ticket sales CU has had in years. It could be because of the quality of students, performers and designers, and it also could be that people are starting to choose what they think is worth spending their money on, choosing what they think is important.

What led you from Opera Colorado to CU Opera?
When this professional job with Opera Colorado came up, I knew it was going to be a great stepping stone to the job I really wanted, which was to be with a great university in a great opera program. For two years, I was the director of Opera Colorado's young artist program, which is an apprenticeship program for up-and-coming opera singers. Now I'm directing and teaching acting to singers, and I'm just thrilled to be here. I got a doctorate in order to pursue a career in academia, so this is really my dream job.
Photo by Caroline Seib
Leigh Holman, lower right, puts performers through their paces during a rehearsal for "Don Giovanni," her second production as stage director for CU Opera. Performances begin on Friday, March 12.
Photo by Caroline SeibLeigh Holman, lower right, puts performers through their paces during a rehearsal for "Don Giovanni," her second production as stage director for CU Opera. Performances begin on Friday, March 12.

This is your second CU Opera production in your current position, following "La Traviata" last fall. Even though you're an experienced professional, did you learn anything from your first CU production that's helping you this time?
Actually, I did. In the professional world, rehearsals are done so quickly because everyone's done their role several times before. In the academic setting, we have time to really dig into it and think about how to learn a role. In "Traviata," I tried something new and had the singers translate each of the Italian words into English, and then put it into their own words in modern language, to help them really understand every single thing they're saying.

It helped to make the drama so much more immediate. So we did that again with "Don Giovanni." For example, if Giovanni is saying something that would translate to, "Women are the air that I breathe and the depth of my existence," the actor would say something in his own words, like, "I don't think of anything in the world except women. Food

doesn't matter, drink doesn't matter. I just think about my next conquest." The performers are getting out of the poetic and making it their own.

This summer you're launching the CU New Opera Workshop, where composers will come to Boulder and take part in workshops with students. How did this come about?
It's an idea I got from my time at Opera Colorado. When I was there, the National Performing Arts Conference was in Denver, and the National Opera Conference included a new works sampler. I had the opportunity to work with young artists from Opera Colorado and the Central City Opera, and I really enjoyed directing them and seeing them get into American opera.

If we don't support living composers, the art form will die. My intention at Opera Colorado was to start to use that as framework and do performances of new works every year. When I left, I took the idea with me. It actually works even better in an academic setting, because it really is study of new works.

This summer will be a real workshop situation. Composers will be composing for the students' voices. They get to try it out and get their work off the page and into voice.

You're set to direct "Rigoletto" in Cento, Italy, next January. Is it intimidating to know you'll be staging an opera in the birthplace of opera?
It is. It is intimidating and exhilarating, exciting and challenging. What's most exciting is that I'll be using the Italian language to direct with. In music, you learn a lot of "love" words in Italian. And in Italian class, you learn, "Where is the bathroom?" and "May I order a beer?" But speaking Italian to Italian singers, saying, "Hey, come down stage right" and "Let's evoke sensuality." That's exciting and new for me. So I'll be submersing myself in Italian this summer.

Want to suggest a faculty or staff member for Five Questions? Please e-mail Jay.Dedrick@cu.edu[22]

Science building to be topped out this Friday[23]

The final steel beam will be placed on the Institute of Behavioral Science building during a topping-out ceremony at 10 a.m. Friday, March 12.

Chancellor Phil DiStefano and Provost Stein Sture will present brief remarks to begin the ceremony, on 15th Street just north of the Continuing Education building.

"Construction of a new building to house the entire Institute of Behavioral Science has been undertaken to foster work on urgent problems of societal – indeed, global – importance," said Dick Jessor, director of the Institute of Behavioral Science (IBS), health and society program. "By bringing the scholars and their research programs together in a single, cohesive, collaborative and intellectual community, we intend to create a synergy that will amplify and accelerate the contributions of IBS to human welfare in the U.S. and abroad."

IBS has been on the CU-Boulder campus since 1957, and currently has researchers working in Colorado, across the United States and on five continents. The institute comprises five research programs that have made major contributions: the problem behavior program, the health and society program, the population program, the environment and society program, and the political and economic change program.

The $14 million building project is funded by campus revenue and private gifts. The 50,000-square-foot building on the corner of Grandview Avenue and 15th Street is expected to be completed this fall.

The last beam to be placed on the building will carry quotations from two philosophers and a social scientist:

"The science of man is the only solid foundation for the other sciences." – David Hume

"I have sedulously endeavored not to laugh at human actions, nor to lament them, nor to detest them, but to understand them." – Baruch Spinoza

"The behavioral sciences are one of the major intellectual inventions of the twentieth century." – Bernard Berelson

UC Denver one of top places for postdocs to work[24]

The University of Colorado Denver[25] was ranked seventh in The Scientist's eighth annual Best Places to Work for Postdocs survey[26]. UC Denver ranked 62nd in 2009.

This year's top institutions were recognized for supporting family values, encouraging a personal life outside of the lab, and offering a benefit package, noted The Scientist. In 2009, high ranking institutions were recognized mostly for funding.

The rankings were based on 11 individual criteria. UC Denver ranked in the top three in quality of communication, networking opportunities, and family and personal life.

"The advancement of the university into the top 10 places to be a postdoc in the United States corresponds almost exactly to the first year of operation of the Postdoctoral Office[27] at UC Denver," said John Freed, dean of the graduate school.

"Valerie Saltou, postdoctoral coordinator, began by working with human resources to standardize hiring and evaluation processes for postdocs," Freed said. "This resulted in an increase of about $4,800 in median postdoc salary." Freed said he looks forward to the continued collaboration between the Postdoctoral Office and the newly chartered Postdoctoral Association to improve learning opportunities for postdocs at UC Denver.

"The new campus with its new state-of-the-art facilities, the institution of and implementation of new policies regarding postdoctoral employment and the 'community building' that has occurred within the past year has had a lot to do with the responses to the survey," Saltou said.

In just one year the Postdoctoral Office has recorded many accomplishments, including:
Creating the means to communicate and regularly send the latest information to all postdocs, mentors and administrative units employing postdocs about employment policy, funding opportunities, job postings, training offerings and a host of miscellaneous items pertinent to the research community. Establishing routine annual evaluation criteria and procedures for postdocs accompanied by opportunity for salary increases. Publishing one "from scratch" Web site and another that provides evidence of out-of-state hits, which is good for recruitment. Encouraging and facilitating the organization of a Postdoctoral Association, which succeeded within this first year to produce a charter for structure, gained campus recognition, provided half a dozen training and social events, created a Web forum for postdocs to interact and established fundraising for the association's future.
More recently, the Postdoctoral Office in collaboration with the Postdoctoral Association sponsored career development opportunities on campus. The first Postdoc Research Day on May 14 will showcase what the research postdocs are doing to foster discussion and the exchange of ideas between departments that may allow for program enhancements and collaboration.

Donation to help graduates in public sector[28]

Colorado Law received a $250,000 donation, facilitated by the CU Foundation, from the Donnell Initiative Fund to create the Cathlin Donnell Fellowship as a part of the school's Loan Repayment Assistance Program[29] (LRAP), which provides partial loan repayment to selected students and graduates, for up to three years, who choose qualifying public interest work.

Through the donation, Colorado Law will be able to provide four to six graduates with LRAP awards and significantly increase the amount of each award to cover one year of loan repayment.

"This donation will allow more Colorado Law graduates to work in jobs they otherwise wouldn't be able to work in, jobs where they can work for the benefit of society," said Assistant Dean Lorenzo Trujillo[30], the administrator of LRAP.

The Cathlin Donnell Fellowship will provide loan repayment assistance to graduates who are committed to systemic change through their public interest work to improve the lives of those who have been historically disadvantaged, to improve the justice system, or to preserve environmental integrity.

The fund honors Cathlin Donnell[31] (1946-2004), a Colorado lawyer who dedicated her career to solving systemic social problems, particularly as they involved the lives of women and improvements to the justice system. Donnell was a founder of the Colorado Women's Bar Association[32], served on the Colorado Supreme Court's[33] Gender Bias Task Force and worked on several publications concerning jury reform.

Israel-based company licenses water desalination technology[34]
© 2010, ROTEC
ROTEC water desalination unit
© 2010, ROTECROTEC water desalination unit

A license agreement with Reverse Osmosis Technologies (ROTEC) for University of Colorado technology will enable more efficient treatment of groundwater, making it suitable for drinking. ROTEC[36], an Israel-based water treatment technology company, will use the technology, licensed through the Technology Transfer Office[37](TTO), to improve the performance of its water desalination process.

The efficient recovery of fresh water from ocean water or waste water is important in arid regions, in highly industrialized regions and in locations close to ocean water but remote from fresh water sources. ROTEC is developing an innovative technology for increasing the amount of brackish (partially saline) groundwater that can be reclaimed by reverse osmosis, using a reverse flow methodology developed by scientists at Israel's Ben-Gurion University of the Negev.

In reverse osmosis systems, precipitation of salts found in saline and hard water causes scaling, which is one of the main factors limiting the recovery of potable water. The licensed technology, developed by Alan Greenberg of the CU department of mechanical engineering, is a patented ultrasonic sensor that can detect when scaling begins. The sensor triggers a change in the system flow patterns so that scaling is prevented.

"We are glad to see this technology applied to one of the world's most important problems," said Kate Tallman, director of technology transfer for CU-Boulder.

Ben-Gurion University and ROTEC have begun operations at a pilot facility on the Sde Boker campus of BGU, and plan to operate the pilot at a Mekorot desalination plant in Eilat and at an additional test site in Jordan in 2010 or 2011.

"This is a great opportunity for ROTEC to incorporate and test its high recovery desalination technology in industrial

scale RO systems", said Dr. Noam Perlmuter, chief executive officer of ROTEC. BGU and CU-Boulder recently were awarded grants from the NATO Science for Peace program and the Middle East Desalination Research Center (MEDRC) to facilitate development of these projects.

Chemistry professor wins prestigious research award[38]

Hai Lin, assistant professor of chemistry at the College of Liberal Arts and Sciences at the University of Colorado Denver, recently received the National Science Foundation's Faculty Early Career Development award, the first for the College of Liberal Arts and Sciences and the second for the UC Denver campus.

The $625, 000 award for the Theory, Models and Computational Methods program supports his research of protein dynamics.

Hai Lin

"We are extremely proud that Hai Lin has received a prestigious NSF CAREER research award," said Jim Hageman, associate vice chancellor for research at UC Denver. "His leading-edge contribution in computations of complex molecular structures is being recognized; this award will allow him to advance his work in significant ways and to incorporate new elements of this into his teaching."

Proteins that form channels and pumps for small molecules and ions across cell membranes are critical for all of life. Failure of such proteins to work properly can cause hereditary diseases such as cystic fibrosis, myotonia (muscle stiffness), renal salt loss, deafness, urinary protein loss, kidney stones, osteoporosis and blindness. Understanding the details of the functioning of such proteins and their molecular dynamics is critical to understanding the mechanisms of movements of ions, such as chloride and protons, across membranes.

"Progress made in the research will be integrated directly into the curriculum of my Molecular Modeling and Simulation course," Lin said. "And undergraduate and MS students will participate in the research by doing small subprojects. The research program will be integrated into the LAB COATS (Link to Advanced Biomedical Research Career Opportunities and Training Section) program at UC Denver, the goal of which is to retain undergraduates from underrepresented groups in science and assist them with entry into graduate school and the pursuit of careers in research."

Boulder consortium director offers 'Usable Thoughts' in book[40]

Michael Glantz

Michael Glantz has a passion for climate study and a self-proclaimed short attention span. So the director of the Consortium for Capacity Building (CCB) in the Environmental Studies Program (ENVS) and Institute of Arctic and Alpine Research (INSTAAR) of the University of Colorado at Boulder, has written a book on climate change that is both succinct and understandable.

"Usable Thoughts: Climate, Water and Weather in the Twenty-First Century" functions as a contemplative discourse on climate change.

"Viewing the issue as beyond our reach, and blind faith in technology and engineering, isn't functional," said Glantz, whose work focuses on public outreach and education. Glantz has written numerous books, along with climate-related editorials that may be viewed at his Web site.

The book was created with co-author Qian Ye, a research scientist at the Consortium for Capacity Building, and is based on a large textbook by William Burroughs that Glantz helped put together.

Professor emerita to visit France as invited scientist[42]

Eve Gruntfest

Eve Gruntfest, a professor emeriti of geography and environmental studies and a researcher at the University of Colorado at Colorado Springs' Trauma, Health and Hazards Center, will work five months as an invited visiting scientist at a hydrology and environment lab at Joseph Fourier University in Grenoble, France.

Her visit is co-sponsored by the Observatoire des Sciences de l'Univers and the department of geography. She will work closely with geographers, meteorologists and hydrologists on flash flood mitigation research with special emphasis on developing ways that integrate social science, hydrology and meteorology.

New business model for music industry examined in professor's study[44]

Storm Gloor

Storm Gloor, an assistant professor in the University of Colorado Denver's College of Arts and Media (CAM), was published in the 2009 Journal of the Music & Entertainment Industry Educators Association (MEIEA). His study, "What is 'Choruss' and Should We Sing Along?" examines the origin, philosophies and potential behind a proposed solution to address music piracy.

"Choruss" is the entity that intends to test the concept of allowing consumers to share and/or acquire digital music on an unlimited basis while paying a relatively small monthly fee that would be collected, aggregated, and distributed to copyright owners. Whether consumers, particularly those who acquire content at no cost through unauthorized services, would pay for "Choruss" is one of the many questions to be answered by the related research.

"So much music is acquired without payment to artists and rights holders that if even a fraction of that activity could be monetized and fairly distributed through such a program, it could be vastly beneficial to the music industry," said Gloor, assistant professor of music and entertainment industry studies and area head of the music business program at CAM.

Gloor's research into new models for the music industry contributes to the Music and Entertainment in the Digital Age course he recently developed and is currently teaching.

During the course, CAM students analyze the effects of digital technology on the music industry and how to best develop their career paths given those changes. Students research up-to-the-minute developments in the industry and

various philosophies and models related to the future of the music and entertainment business.

MEIEA is an international organization formed in 1979 to bring together educators with leaders of the music and entertainment industries.

Links
[1] https://connections.cu.edu/stories/new-director-lead-graduate-career-connections[2]
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