Message from the Chair:

It’s hard to believe another year has come and gone. There is a fair amount of truth in the old adage that time does fly when you’re having fun! This year has been productive for students and faculty alike. Students have graduated and are embarking on the next stages of their lives, new students and faculty have joined the department, professors and students are pursuing a variety of fascinating research topics, and the department remains as strong and vibrant as ever. This edition of the newsletter is filled with examples of this vibrancy, and I hope that you enjoy learning more about what has transpired.

As I mentioned, this year was a busy one. The faculty published 24 articles and book chapters and gave 41 conference presentations and invited talks. Our graduate students are publishing their research and presenting at conferences. Be sure to check out the list of publications and presentations in this issue of the newsletter. Our student numbers remain strong, with 66 graduate students, 127 environmental science majors, 53 geography majors, and 99 students minoring in at least one of our programs (the most popular programs are sustainability, environmental science, geographic information science, and geography). We awarded 43 bachelor’s degrees (25 in geography, 18 in environmental science), 22 masters degrees (two MA (Geography), 19 MS (Geographic Information Science)), and two PhD degrees. Collectively, the department offered 126 courses, totaling 2776 student enrollments and generating 10,458 credit hours of quality instruction. In addition to the traditional on-campus courses, we continued to offer courses online at both the undergraduate and graduate levels. Travel courses remain popular; this year’s Field Quarter students visited the Colorado Western Slope, the Desert Southwest, Nicaragua, and Baja California. Faculty also offered travel courses to South Africa, England, Peru, and New York City. Be sure to check out our website and Facebook page for updates on departmental happenings.
We continue to build the number of faculty in the department. Following an international search, I am excited to announce that Dr. Hanson Nyantakyi-Frimpong joined the faculty this fall as an assistant professor of geography. Hanson’s research and teaching interests focus on the impacts of climate change on society, adding depth to our human-environment curriculum. We are presently searching for an assistant professor in geographic information science; we will be interviewing candidates in January and hope to have top GISc scholar on board in the fall.

I would like to offer a sincere thank you to all of you who have taken the time to remember us with your thoughtful and generous gifts throughout the year. Your donations make it possible for us to offer a variety of special opportunities for our students, including field equipment upgrades, special hardware and software for our computer labs, and research and travel support for graduate students and undergraduates, all of which enhance the quality educational experience of our students. Your contributions are always greatly appreciated. Thank you!

We regularly update our alumni database and enjoy hearing from you and learning about what is happening in your lives. We are extremely proud of you, and hope that you will keep in touch by visiting the alumni page on the department website. We always enjoy visiting with our former students, so should you find yourself in Denver, please don’t hesitate to stop by the department.

On behalf of the faculty, staff and students, please accept our best wishes for a happy holiday season and a peaceful, prosperous, and productive 2018.

Mike Keables

Chair
Faculty and Staff
2017-2018

Faculty

E. ERIC BOSCHMANN, Ph.D.
Ohio State University, 2008.
Associate Professor. Urban geography, economic geography, commuting, mixed methods, GIS.

ANDREW R. GOETZ, Ph.D.
Ohio State University, 1987. Professor.
Transportation, urban geography and planning, economic geography.

HELEN HAZEN, Ph.D.
University of Minnesota-Twin Cities, 2006. Teaching Associate Professor,
Environmental influences on human health, environmental conservation, international students.

MICHAEL J. KEABLES, Ph.D.
University of Wisconsin-Madison, 1986. Associate Professor and Chair.
Climatology, water resources, climate variability.

KRISTOPHER KUZERA, Ph.D.
San Diego State, University of California-Santa Barbara, 2011. Teaching Assistant Professor and Internship Director.

G. THOMAS LAVANCHY, Ph.D.

J. MICHAEL DANIELS, Ph.D.
University of Wisconsin-Madison, 2002. Associate Professor and Director, Environmental Science Program.
Geomorphology, environmental change, soils, hydrology.

HILLARY B. HAMANN, Ph.D.
University of Colorado Boulder, 2002. Teaching Professor. Hydrology, water resources, watershed biogeochemistry, physical geography, conservation.

STEVEN R. HICK, M.A.
University of Missouri, 1983. Professor of the Practice, MS-GISc online Program Director, & GTAC Director. Geographic information science, project management, cartography, criminology.

MICHAEL W. KERWIN, Ph.D.

JING LI, Ph.D.

HANSON NYANTAKYI-FRIMPONG, Ph.D.
The University of Western Ontario, Canada, 2017. Assistant Professor. Human Dimensions of Global Environmental Change; Sustainable Agriculture and Food Systems; Political Ecology; Africa.
Faculty continued

REBECCA L. POWELL, Ph.D.
University of California-Santa Barbara, 2005. Associate Professor. Human-environment interaction, natural resource management, remote sensing, statistics, land use/land cover, geographic information science (GIS).

PAUL C. SUTTON, Ph.D.

ERIKA TRIGOSO, Ph.D.
University of Oxford, 2011. Teaching Associate Professor. Vulnerability and adaptive to climate change, geographic information science, Latin America.

MATTHEW J. TAYLOR, Ph.D.
Arizona State University, 2003. Professor and Director, Graduate Programs in Geography. Latin America, political ecology, development.

DAVID B. LONGBRAKE, Ph.D.
University of Iowa, 1972. Urban Geography, Urban and regional planning, quantitative methods, GPS, GIS.

TERRENCE J. TOY, Ph.D.

SEAN TIERNEY, Ph.D.

MARTHA A. NAREY, Ph.D.

Emeritus Faculty

DOUGLAS R. CLARK, Ph.D.

JEFFERY KREEGER, MBA

MICHELLE MORAN-TAYLOR, Ph.D.

DOUGLAS R. CLARK, Ph.D.

WILLIAM J. BRADY, JD.

PAUL C. SUTTON, Ph.D.
University of Iowa, 1972. Urban Geography, Urban and regional planning, quantitative methods, GPS, GIS.

REBECCA L. POWELL, Ph.D.
University of California-Santa Barbara, 2005. Associate Professor. Human-environment interaction, natural resource management, remote sensing, statistics, land use/land cover, geographic information science (GIS).

JEFFERY KREEGER, MBA

SEAN TIERNEY, Ph.D.

MARTHA A. NAREY, Ph.D.
Staff

Nicole Chauvet
Assistant to the Chair.

WILLIAM K. KINISTON, Master Certification of Advanced 3D Animation & Graphics, School of Communication Arts, 1996.
Office Assistant.

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Visiting an Industrial Revolution pharmacy at the Black Country Museum near Birmingham, England
Photo: Hillary Hamann
DEPARTMENT UPDATES

New Additions

Hanson Nyantakyi-Frimpong is a political ecologist with teaching and research interests at the intersection of two main subfields: the human dimensions of global environmental change, and sustainable agriculture and food systems. He earned an MS in Geography from the University of Montana–Missoula, a PhD in Geography from The University of Western Ontario, Canada, and postdoctoral training at the University of Toronto, and the University of Michigan-Ann Arbor. He currently teaches courses on Sustainability & Human Society, Current Issues in Sustainability, and Geographies of International Development in Africa.

Broadly, his research seeks to explore whether and how micro-level process (e.g. gender and domestic politics) intersect with macro-level factors (e.g. legacies of colonialism and neoliberal reforms) to rework vulnerability and adaptation to environmental change. Part of his research also focuses on improving food security with farming practices that generate minimal ecological footprints and contribute to climate change mitigation. In line with this interest, he has done research on smallholder agroecology and its potentials to simultaneously increase yields, feed vulnerable groups, and conserve natural resources. His regional concentration is sub-Saharan Africa, with field research sites in Ghana and Malawi. His ethnographic field research has been supported with grants from the International Development Research Center, Canada; the Center for International Governance Innovation, Canada; and the Institute of Social Studies, The Hague, Netherlands. His most recent publications focus on land scarcity and food security in the West African Sahel (Journal of Peasant Studies), how Sahelian farmers view climatic and non-climatic stressors (Global Environmental Change), and how agricultural diversification shapes food systems resilience (Geoforum).

Rocky Milan Kuzera-In March, Kris, and his wife Barbara, welcomed a second child in to their family, Rocky Milan. Much like his brother Oskar, Rocky is looking to be a part of the next generation of Geographers at DU.

Faculty Highlights

DU Newsroom Faculty in the News—September 19th Edition

DU faculty were in the media this week discussing Hyperloop transportation, how to embrace aging and the FBI’s involvement in an animal cruelty case. Read on for more from Andrew Goetz, Leslie K. Hasche and Justin Marceau.

Hyperloop One has announced that Denver is one of the top ten finalists to get its high-speed travel system. Among the proposed routes—a trip that would take travelers from Denver to Vail in only 9 minutes. Andrew Goetz, professor of geography, spoke with KMGH and KDVR about the changes we’d see if a high-tech option like this comes to Denver. In addition to people, the Hyperloop could carry freight. In that case, “It’s going to affect the longer distance segment of the trucking business,” says Goetz. “Those kinds of trucks could be taken out of the equation if this is really successful. It will provide traffic relief on I-25, and that’s going to benefit everybody. For people who drive, it will make their commute that much easier.”

Eric Boschmann was been awarded a $50K grant from the Knoebel Institute for Healthy Aging for his proposal Mobility Clusters of Older Adults: A National Level Survey Analysis.

Mike Daniels received a three-year, $348K grant from NSF for the project, "Soil erosion, floodplain sedimentation, and agricultural sustainability over centennial time scales."
Faculty Promotions: Three of our faculty were recently promoted: Hillary Hamann was promoted to Teaching Professor, Helen Hazen was promoted to Teaching Associate Professor, and Erika Trigoso was promoted to Teaching Associate Professor.

At the end of the 2016-2017 academic year, Office of Career & Professional Development sent an email to all students asking them to tell us about a faculty member that has been their Faculty Career Champion – someone who has gone above and beyond to support their career and post-graduation goals. Several Geography faculty were nominated: Donald Sullivan, Erika Trigoso, Matthew Taylor, and Mike Kerwin.
DEPARTMENT UPDATES

Interterm 2017

Thomas Lavanchy and Mike Kerwin led a fall interterm trip to South Africa in August. This course gave students a firsthand look at the physical and cultural landscapes of South Africa. The class studied the varied natural landscapes that produce the commodities (e.g. gold, diamonds, wine, and agriculture) that have attracted the interest of outsiders for centuries and that have influenced the cultural landscapes particular to South Africa. Activities included hiking in the Central Drakensberg Mountains, a service-learning project in a Zulu community, a visit to a game park, a tour of Robben Island, a visit to a township, and explorations of several key physical and cultural sites near Cape Town.

2017 Interterm class on Table Mountain.
Photo: Thomas Lavanchy

Service Learning project in rural Zulu community.
Photo: Thomas Lavanchy

On safari in South Africa. Photo: Thomas Lavanchy
Field Quarter 2017 This year’s field quarter courses took students to the Grand Mesa region of Western Colorado, Nicaragua, the Baja Peninsula in Mexico, and the Southwest, including southern Colorado, New Mexico, and Arizona. Below is a reflection from one of the students.

Mel Gorton

“Field quarter, led by Sullivan, Kerwin and Taylor—with their entirely unique focus and approach—provided a distinct experience that most students never get the chance to access. Each professor gave an intense few weeks on the inner workings of their research. This allowed us to experience, and gain skills in, topics as varied as the analysis of forest health and disturbances through dendrochronology, and water access in a coastal Nicaraguan community. Lectures and discussions were a vital part of our experience, however, over time, we came to understand that the long hours spent traveling along distant highways, cut off from the deluge of news, emails, and messages, were just as important as the lectures. Our lessons were enriched by a youthful exploration of our surroundings. With our professors, we learned about human life within an environmental context while digging our toes into the mud of pluvial lakes in Arizona; we expanded that knowledge racing down sand dunes on the Vizcaíno Peninsula.”
Internship Program

The internship program continues to be strong, linking students in the Department of Geography and the Environment with numerous opportunities for gaining practical experience in the field. And the program has a new online presence. We have created a resource for students and sponsors to view newly available job postings in the Denver area, as well as learn about the requirements for successfully completing an internship within our program. We are always open to new internship possibilities and hope that alums and friends of DU Geography and the Environment will consider hosting an intern at your business or organization.

2017 Internships include:
- Gustav Bajwa: TGA Maps Inc.
- Batchimeg Bayatsaikhan: Wagenlander & Heisterkamp, LLC
- Marta Blanco-Castano: Quantum Water and Environment
- Sophia Drobny: World Wildlife Fund
- Ramona Golzar: ERSI Broomfield
- Sami Helgeson: US Environmental Protection Agency
- John Kurtz: Indian Peaks Wilderness Alliance
- Hailey Macrander: ERSI Broomfield
- Aaron Roper: US Geological Survey
- Emma Salmon: Zayo Group

FACULTY NEWS

E. Eric Boschmann

It was another great year, full of opportunities to learn from driven and curious students and a strong group of dedicated faculty colleagues. And it is always rewarding to see graduate students complete their programs. This year Ryan Keeney successfully completed his MSGIS capstone project, Denver’s Streetcar Legacy and its Role in Neighborhood Walkability. This was an intensive project to digitize Denver’s historic streetcar lines and commercial corridors, and make the information readily available in an interactive online GIS environment. In addition to being a great capstone project, Ryan’s work received a lot coverage from the local press. For a link to Ryan’s interactive map and several of the associated news stories, links are provided near the bottom of my website: http://mysite.du.edu/~eboschma/.

Eric taught the Interterm travel course in New York City (GEOG 3940 Geographies of New York City). Using the city as a classroom, this course focuses upon the historic rise of the modern metropolis and key contemporary urban issues. New this year was a visit to a large-scale rooftop garden in the re-purposed Brooklyn Navy Yard (see image below). It is rewarding to help students see and experience the urban environment in new ways.

Eric enjoyed several travel opportunities for research and professional development, including attending the Royal Geographic Society with Institute of British Geographers (RGS-IBG) annual conference in London U.K., the American Geographical Society’s Geography 2050: The Future of Mobility symposium in New York City, and a one-day workshop on Big Data in the Social Sciences.

A highlight for the year was the acceptance of a book manuscript, Metropolitan Denver: Growth and Change in the Mile High City, co-authored with Andy Goetz. Right now they are happily completing final copyedits of our manuscript. The book will be published later next year by the University of Penn Press as part of their Metropolitan Portraits book series.

Rooftop garden in the re-purposed Brooklyn Navy Yard, NYC. Photo: Eric Boschmann
Mike Daniels continued his research in Czech Republic, earning a three-year research award from National Science Foundation entitled: “Soil erosion, floodplain sedimentation, and agricultural sustainability over centennial timescales.” The interdisciplinary project involves collaboration with colleagues at several Czech universities. It also supports a Ph.D. research assistant for each of the three project years.

Fieldwork during summer 2017 was targeted toward floodplain sediment coring and high-resolution digital terrain mapping in agricultural landscapes dating to the early medieval era.

Mike supervised two M.A. students through completion of their degrees. Blaise Murphy’s work examined soil characteristics of agricultural terraces in southern Peru. The work demonstrates a remarkable persistence of soil fertility following abandonment. Emilio Mateo’s project documented the hydrologic influence of rock glaciers in the San Juan Mountains, Colorado. Though Emilio completed his thesis and has moved on to a Ph.D. program at Ohio State, Mike and Emilio plan to keep the project going. During summer 2017 they instrumented stream channels with pressure transducers and conductivity meters to collect 15-minute interval hydrologic and water chemistry data. Mike continued serving on the editorial board of Geomorphology, and was newly appointed to the editorial board of AAG Review of Books.

Andy Goetz has been busy with several research projects over the past year. After completing two projects funded by the National Center for Intermodal Transportation for Economic Competitiveness (NCITEC), he and Eric Boschmann completed final revisions for their book Metropolitan Denver: Growth and Change in the Mile High City. The book is scheduled to be published in 2018 by the University of Pennsylvania Press. Andy received funding from the Mineta Transportation Institute at San Jose State University in September 2017 (together with colleague Serena Alexander) for a project to study strategies to reduce greenhouse gas emissions from urban freight transportation. And he recently completed a chapter “Airports as attractions: Airport cities and the aerotropolis concept” for an edited volume titled Air Transportation and Tourism to be published by Elsevier.

As part of his sabbatical this year, Andy was awarded a one-month visiting fellowship at the University of Bologna in Italy. He will be presenting his research on air transport, airports, and economic development for two professional seminars and one class. He and his wife Andrea will be in Italy for most of December 2017, and Andy is very much looking forward to riding on several of Italy’s new high-speed rail lines during this time!

Hillary Hamann It’s been a year full of engaging students, projects and travel. The year was capped with the good news of her promotion to Full Teaching Professor due in no small part to the energy, inspiration, and new ideas she gains from her students. She thoroughly enjoyed teaching Water Resources and Sustainability, Historical Geology, Colorado’s Rivers, and the Environmental Systems sequence. Getting out into the field with students is always a highlight and this year included a river restoration project with Colorado’s Rivers and trips to Dinosaur Ridge and the Denver Museum of Nature and Science with Historical Geology.

Hillary taught, with Dr. Helen Hazen, another fun & successful Summer Interterm class on Health and Environment in England. They added a day in London this time and included a “Loo Tour” to learn about the cholera epidemic, John Snow’s 1854 outbreak map and the emergence of public health—field learning at its finest! She took advantage of her time in the UK to check another country off her travel list with a visit to
Scotland. Scotland is the birthplace and proving grounds for some of the most famous geologists and geologic ideas in history and she had a great time walking (and hiking) in the footsteps of James Hutton and others.

Outside of classes, Hillary collaborated with undergraduate majors Henry Crawford and Jack Poole on a summer Pins project, Pinpointing Nutrient Loading: A Study of Inflow Streams, Big Payette Lake, ID, with a goal of developing a long-term community stream monitoring plan. Working with MSGIS student, Maddy Kelley, has brought Hillary into the realm of Human Subjects Research as Maddy conducted focus groups to gain feedback on a Flood Risk Information System that Maddy is developing for Boulder County. They co-presented preliminary findings at the Sustaining Colorado Watersheds conference in Avon, CO this fall. Hillary’s involvement in the Colorado water world also included attending the Advancing Environmental Education Conference to present as a part of a panel on Effective Water Education and participating in Denver Water’s tour for teachers of the South Platte Watershed and water infrastructure for the city.

Hillary has been spending much of her fall on the slopes of Pikes Peak as visiting faculty member for the Catamount Center’s TREE (Teaching and Research in Environmental Education) Semester as a part of a professional development leave. The time has sparked a number of new ideas she plans to bring back to DU when she returns in January.

Helen Hazen enjoys teaching introductory classes in human and physical geography, as well as more advanced classes in sustainability, conservation, and health. She is currently completing an edited book project that explores geographies of reproduction and continues to develop her research on home birth. Helen also works with the Colorado Geographic Alliance towards promoting geography in the grade school curriculum, and is active in providing geographic education for local schools and youth programs. She was recently promoted to associate professor.

Steven Hick continues to direct GIS activities in the department, including labs, classes, advising, enrollment management, etc. This year the program again topped 50 students in the online graduate GIS program and we’ve added second sections of classes so each class is now taught two times per year. The highlight of the MSGISc degree program is the completion of the capstone. Steve is always amazed at the depth and diversity of our student’s capstone projects.

Steve continues to teach a 3-day seminar in GIS and Transportation for the Denver Transportation Institute in January. This executive graduate program is made up of corporate executives from many national and international air, rail, trucking, shipping and port companies. This class has really presented an opportunity for me to teach ArcGIS Online which is then easily used by these executives back in their corporate offices.

At the DU Field Station at Echo Lake and at the summit Steve has been quite busy. Steve cleaned out the double A-frame at the summit to make it more suitable for research. Now if Steve can just keep the marmots out. At the Field Station at Echo Lake the interior was painted in two cabins, some dangerous trees removed, and work was begun on preserving the nearly 70-year old structures. Steve has kept the facility booked nearly every weekend all year and had several groups on site for two to three weeks at a time over the summer from the University of Montana, Colorado State University, and the University of Dayton. In October, the University hosted a celebration commemorating the cosmic ray research done on the mountain. The President-elect of the American Physical Society came out for the dedication of a new plaque conveniently placed outside the Echo Lake Lodge.

In the interest of maintaining work-life balance, Steve spends his free time as Scoutmaster for Troop 79 – a relatively new troop in the Denver Area Council. This year Steve’s been skiing, camping, climbing, rafting, canoeing, hiking, kayaking, cycling, and many other cool outdoor activities!

Mike Keables completed his first year as department chair, relishing in the opportunity to be back in the department full time. In addition, he co-chaired the Sustainability Initiative for DU Impact 2025, the University’s strategic plan. He continues as a founding member of the Distance Learning Council, charged with ensuring that all online courses offered at DU are offered at the highest level of quality, and he successfully coordinated the Spring and Summer Commencement Ceremonies (for which he has been responsible for nearly 20 years).
Mike Kerwin For the first time in his 16-year career at DU, Dr. Mike Kerwin participated in the University’s interterm program by co-teaching the Geographies of South Africa class with Department colleague Dr. Thomas Lavanchy. This field based, interdisciplinary course is taught for two weeks across South Africa and challenges students to examine the ancient geology and ecology of the Cape Peninsula, the complex legacy of colonization, expanding efforts toward globalization, and the tragedy of apartheid. Mike had prepared for this opportunity on his 2016 Sabbatical when he lived in Cape Town with his family and learned about the unique local geology and ecology. Cape Town is a famous destination for ecological biodiversity. For one, the Cape Peninsula is authentically Mediterranean, one of only five places on Earth where moderate temperatures perfectly blend with consistent winter rainfall. Geographic isolation in the far Southern Hemisphere adds to the mix. Fog explodes off the warm Indian Ocean as it collides with the frigid Atlantic. What is left behind is a unique ecosystem that is awarded a special word in each of eleven official languages. The locals call it Fynbos, Afrikaans for the tiniest floral kingdom on Earth. And what a kingdom it is! Here among flat-topped mountains and windy, dune-encased shorelines are more than 9,000 crazy-shaped, plant species including some 6,200 that are found nowhere else on Earth.

When the DU interterm class gathered in Cape Town in June of 2017, however, no one was thinking much about ecological biodiversity. Instead they wondered how long water would flow from their faucets as drinking water reserves had dwindled to 9% as drought withered southern Africa. All of us were asked to limit our consumption to 25 liters per day during a stage four water emergency. Note, for perspective, the average Colorado residents uses about 700 liters of water each day! Needless to say this situation was quite the teaching moment and provided a perfect backdrop to discusses the early history of Homo sapiens who had sheltered in southern African some 170,000 years ago during another time of drought and famine. In fact, a highlight of our class was visiting a cave system near Mossel Bay where the last of a few thousand Homo sapiens on Earth found refuge because of abundant shellfish and nutritious tubers on land. We realized while sitting in these caves above the turbulent Indian Ocean that we are all in fact South African.
Kristopher Kuzera expanded his teaching portfolio this year by going back to his cartographic roots. This Fall, he had the chance to teach Computer Cartography and train a new cohort of students on how to make good maps. In addition to Cartography, Kris is also teaching courses in GIS, physical geography, advanced statistics this year. He continues to direct the Internship Program, supervising dozens of students in Geography and Environmental Science as they seek hands-on work experience that help them get started on their professional careers. In March, Kris, and his wife Barbara, welcomed a second child in to their family, Rocky Milan. Much like his brother Oskar, Rocky is looking to be a part of the next generation of Geographers at DU.

G. Thomas Lavanchy

Last year was a wonderful time of re-engaging students and colleagues in the department after returning from a visiting assistant professor position in Minnesota. Thomas enjoyed teaching large groups of non-majors in the Our Dynamic Earth sequence. He sees these classes as strategic opportunities to recruit majors to the department and, in general, excite students about the field of geography.

One of the highlights of the year was offering a two-week interterm travel course in South Africa (GEOG 2880 Geographies of South Africa) with department colleague Dr. Mike Kerwin. The group of 10 students and two professors trekked across a variety of landscapes and engaged a range of physical and cultural themes that shape this beautiful, yet complicated country. In Cape Town the class hiked iconic Table Mountain to recover from jet lag and get a feel for the depositional and erosional process influencing the 540 million-year-old sandstone. The class also visited Langa township and discussed the enduring legacy of Apartheid. After driving inland to Kimberley, home to the "Big Hole" and early diamond discoveries, the class continued on to the Drakensberg mountains of KwaZulu-Natal. These undisturbed horizontal strata (3,000 m above sea level) closely pre-date the break-up of Gondwana and provide a spectacular view known as the 'roof of Africa.' There the class learned firsthand about farming, water, land restitution, and the impact of AIDS/HIV on rural Zulu communities. Part of this learning included a two-day service learning project to help Zulu women build a creche (preschool). The class concluded with a trip to a game reserve. In October, Thomas attended the Tourism Naturally Conference in Sardinia, Italy to present research on water and tourism in Nicaragua. Thomas and Dr. Matthew Taylor continue to travel to Nicaragua to collect data on groundwater and communicate with various stakeholders at the nexus of tourism-water-climate.

Jing Li

continues to work with students in various projects that serve to the general public. In April 2017, she received a grant from the Open Geospatial Consortium (OGC) --the international not for profit organization committed to making quality open standards for the global geospatial community, to develop a secured desktop application to support the visualization and analysis of spatiotemporal datasets for mass migration in Middle East. Three graduate students participated in the development of the application and will present this work to the annual OGC Testbed demo event in December. Besides, she is currently working with graduate students to explore the methods of using big data from different vendors (e.g., Smart card transactions, GPS tracking information) to evaluate the service quality of public transit systems in big cities. In 2016-2017 academic year, Jing served as the departmental representative to the Faculty Senate at DU. While serving on the Faculty Senate, she enjoyed learning different perspectives from my colleagues, and evaluating the opportunity to contribute to the governance of the institution. She is deeply passionate to work alongside with other faculty members in supporting the future of DU.

Hanson Nyantakyi-Frimpong currently finishing fieldwork for two new projects, working closely with women and men farmers in Ghana’s drought-sensitive regions. The first project seeks to examine how to build a sound information exchange infrastructure that brings the science of climate change and the implications for people and the environment to a level that is understandable, accessible, and beneficial to rural (mostly illiterate) farmers. This work combines insights from social network analysis and “new” feminist political ecology. Working together with a DU undergraduate photojournalist, the second project seeks to use photovoice to map the political ecologies of climate justice and resilience in Ghana. These two projects are being supported with funds from the University of Denver.
Don Sullivan  Don continues to teach his field quarter classes and had a great group of students for the paleoenvironmental field methods and Baja classes. Research work on Grand Mesa continues. The big news this year is that Maria (Don’s wife) is pregnant and due to deliver a new geographer around New Year’s Eve. Katherine Lydia Caffrey Sullivan will be coming home to a new residence in the historic Denver Highlands as well, as the loft was a bit too small for the growing family. As coincidence would have it, Don will be on sabbatical for winter and spring quarters.

Paul Sutton
Paul spent the year working in Thailand, Australia, South Africa, and India. Paul co-authored a report for the Economics of Land Degradation Initiative that was sponsored by the United Nations titled: The Value of Land (http://eld-initiative.org/fileadmin/pdf/ELD-main-report_05_web_72dpi.pdf). This work involved mapping land degradation globally and assessing the impact of land degradation on agriculture and ecosystem services. Paul and his co-author estimated that land degradation in the past several decades has resulted in a loss of over 4-10 Trillion dollars per year. Paul also spent several weeks with the people of the Panchabhuta Conservation Foundation (http://panchabhuta.org/) in the Western Ghats of India. Paul is working here to help local people use arguments based on the economic value of ecosystem services to win greater control over land use decisions in their area. Paul and Luca Coscieme recently co-authored a paper in the journal ‘Science of the Total Environment’ titled: Accounting for ‘Land Grabbing’ from a biocapacity viewpoint (http://www.sciencedirect.com/science/article/pii/S0048969715306835). This paper explores what countries of the world are having their ‘land grabbed’ by other countries according to the relative size of their ecological footprints and national natural endowments or ‘biocapacity’.

Paul continues to stay in touch with several DU alumni including Amanda Weaver, Ben Tuttle, Kristina Yamamoto, Andrea Santoro, Jason Thoene, Nick Stubler, Robin Harris, Jared Long, Tilottama Ghosh, and Lisa Piscopo. He is proud to say that Amir Siraj has completed his PhD and has taken a post-doc at Notre Dame University. Qing Liu is progressing nicely with her PhD.

Paul is getting increasingly interested in communicating his research to the broader public and have engaged in some alternative venues of publication and outreach. Paul is even considering joining the 21st century and getting a facebook page and a twitter account (The horror, the horror). Paul has provided links to some examples of his outreach efforts below. Paul always loves to hear from former students and friends of geography so do not hesitate to send him an e-mail.

My ‘modest proposal’ to ‘Kill All the Bees’ on ABC radio in Australia. http://www.abc.net.au/radionational/programs/ockhamsrazor/a-modest-proposal-kill-all-the-bees/6501638

Matthew Taylor
Matthew began the 2017 academic year in Italy where he and Thomas LaVanchy presented results of their Nicaragua research at the “Tourism Naturally” conference in Sardinia. From there, he journeyed to Lund, Sweden, with Mike Daniels to explore exchanges between our universities. To continue field-based research in Guatemala and Nicaragua, Matthew made five field trips to the region with colleagues and students. Matthew’s research into climate change, water resources, and the Nicaraguan Canal continues to produce exciting publications and collaborations with Central American scholars to continue our research there. The greatest honour, though, is to continue to move our students through their graduate programs. This last year Diego Pons (Fulbright Scholar from Guatemala) finished his doctorate and is now working at the Universidad del Valle, Guatemala. Adelante Diego! Anna Sveinsdottir completed her comprehensive exams and is wrapping up her fieldwork in Guatemala – she is on track to finish her doctoral degree soon. Sarah McCall is steaming ahead writing several papers about the political economy and ecology of Nicaragua and will graduate with her doctoral degree soon. Nikolai Alvarado (doctoral student) completed daring fieldwork in Central America’s largest informal settlement – La Carpio in San Jose, Costa Rica. His work will result in some paradigm-changing research and also benefit the residents of La Carpio. He too will graduate this coming fall. Finally, Danielle Langworthy has decided to continue the long tradition of DU research in Playa Gigante, Nicaragua. For her doctoral research, she will research impacts of tourism development on fragile coastal environments. Together, these students, like all of our graduate students, take our program to new levels with their novel field research and also their work as “academicos comprometidos” – that is, researchers that committed to directly applying the results of their research for the benefit of the people in the regions of their research. There is no other way.
Erika Trigoso and her husband Stephen are kept busy by their spirited toddler, Coya. Erika is teaching a new class this year: Geographic Research Methods for our MSGISC and continues to teach one quarter of her Honors Scientific Inquiry--Natural Global Environmental Change. In addition, she teaches her regular classes on Sustainability, Climate Change, Human Geography, and a FSEM seminar on Geography and Genealogy. Erika is preparing a new interterm adventure for next year: Cuba or Spain. Erika is very proud about her recent promotion to the rank of Teaching Associate Professor.

Department Vehicle Fundraiser

As many of you know, one of the department's long-standing traditions involves bringing students to the field to learn first-hand about the exciting world of geography. We know from speaking with many alumni how much they valued spending time in the field with their professors. Who can forget those cross-country road trips to attend an AAG meeting, complete with a 200-mile detour to check out some obscure geologic point of interest? Or driving from Denver to Baja California and back, with a stopover to experience the “Island of Spiny Death and Abandonment”? Travels with Dr. Herold to northern Mexico, or with Dr. Toy to the Wyoming coal mines? Spending two weeks in the desert ecosystem of the Four Corners area? Or those day trips to Red Rocks, Pawnee Buttes, Mt. Evans, or even a short jaunt downtown to see the latest urban renewal projects?

Our trusty field vehicle, a 2010 Chevy Suburban with over 96,000 hard-driven miles, is getting tired, and it is time to find a replacement. Our goal is to purchase a new vehicle sometime in the next calendar year, and we have been setting aside resources for several years in anticipation of this expense. To date, we have raised over $35,000 of our $50,000 goal. Please consider making a donation to help us with this purchase by sending a check to the University of Denver, Attention: Gift Processing, PO Box 910585, Denver, CO, 80291-0585, please note on the check that the funds are for the Department of Geography & the Environment, Suburban Replacement. You may also donate electronically at http://www.du.edu/give/. Again, please note in the gift comment box that the gift is for the Suburban Replacement for the Department of Geography & the Environment.

If you are able to support this initiative, the faculty and students will be most appreciative!!
FACULTY PUBLICATIONS September 2016-August 2017

Boschmann, Eric


Goetz, Andrew R.


Kerwin, Michael


Li, Jing


Powell, Rebecca


Sutton, Paul C.


Taylor, Matthew J.


**FACULTY PRESENTATIONS September 2016-August 2017**

Boschmann, Eric


Daniels, James M.


Goetz, Andrew R.


Goetz, A. R., "The role of transportation in achieving innovations in sustainability," India Global 9th World Education Summit, India Global, Denver, CO. (June 2017).


Hamann, Hillary B.


Hazen, Helen


Hick, Steven R.


Kerwin, Michael W.


Smith, R., Olson, K., Kerwin, M. W., "What is the Harm? Using Restorative Justice to Address Instances of Academic Integrity at the University of Denver.," Inaugural Mediterranean Conference on Academic Integrity, International Center for Academic Integrity, Athens, Greece. (September 2016).


Li, Jing


Powell, Rebecca L.


Sullivan, Donald G.


Sutton, Paul C.


Taylor, Matthew J.


Taylor, M. J., "Tourism and Natural Resources along Nicaragua's Pacific Coast," Tourism Naturally Conference, Alghero, Italy. (October 2016).

Trigoso Rubio, Erika


FACULTY RESEARCH OR INSTRUCTIONAL GRANTS AND CONTRACTS September 2016-August 2017

Boschmann, Eric

Boschmann, E., Boschmann, E., "NSM Knoebel FY17 Boschmann," Knoebel Research Award, $45,000. (April 15, 2017 - April 14, 2019).

Boschmann, E., "RGS-IBG London Conference," Faculty/Curriculum Development Grant (Internationalization), $1,000. (July 1, 2017 - June 15, 2018).
Daniels, J. Michael

Goetz, Andrew

Goetz, A. R., "Airports, air transport, and urban economic development," Faculty/Curriculum Development Grant (Internationalization), $1,600. (July 1, 2017 - June 15, 2018).

Hillary, Hamann


Jing Li

Li, J., Faculty Research Fund—FRF (DU), $2,240.00. (January 1, 2015 - January 1, 2017).

Li, J., "Develop a GPU-based remote data processing prototype system to support the 3D Elevation Program (3DEP)," Sponsored by US Geological Survey (USGS), Center of Excellence in GIS (CEGIS), Federal, $60,000.00. (September 1, 2016 - August 31, 2018).

Rebecca Powell
Powell, R. L., "Spatiotemporal dynamics of woody cover in East Africa savannas," Sub-grant, Sponsored by Wake Forest University, Federal, $69,849.00. (September 1, 2015 - February 28, 2019).

Donald Sullivan
Sullivan, D. G., "Peat Humification Analysis and Loss On Ignition at Kannah Creek Fen, Grand Mesa, Colorado," PINS Award, $1,500.00. (February 2017 - June 2017).

Matthew Taylor

Taylor, M. J., "Connecting with Geographers at the University of Lund," International Innovation Grants (Internationalization), $4,000.00. (January 1, 2016 - January 1, 2017).
Sylvia Brady, Ph.D. student was recently featured in the University of Denver Newsroom: “For Sylvia Brady, doctoral student in DU’s Department of Geography and the Environment, the public-private partnership for commuter rail, that includes the new B Line to Westminster and the G Line to Arvada scheduled to begin service in 2017, serves as a case study for her dissertation, “http://news.du.edu/denvers-public-private-commuter-rail-partnership-gets-a-close-look/.

Nikolai Alvarado, Ph.D. student was awarded a graduate student fellowship from the Urban Geography Specialty Group of the AAG for his work entitled ‘The Strategies of Non-Citizen Migrants to Secure Housing and Resources in Urban Informal Settlements of the Global South: The Case of Nicaraguans in Costa Rica’

MS student Laura Atkinson and alumnus, Marta Blanco-Castano, MS, are working with on a project to support faculty instructor Jing Li. “We are working with USGS under a two-year grant to develop primarily GPU functions with the CUDA parallel platform (using Python) to process LiDAR datasets, for their 3D Elevation Program (“The National Map” project).

Ph.D. student Xuantong (Tony) Wang was selected as a fellowship recipient for the 201-2018 Doctoral Fellowship of Inclusive Engagement. PhD student, Sylvia Brady, won the NSM Graduate Student Excellence in Service Award for 2016-2017, Sylvia was recognized for her work coordinating sustainable transportation initiatives for DU’s Center for Sustainability, providing programs and opportunities for the entire University. The award was announced at the NSM Spring Picnic in May. Other nominees from Geography were Corey Martz for Excellence in Teaching and Nikolai Alvarado for Excellence in Research Award.


Ph.D. student Shannon Jones, MS student Maddy Kelley, and undergraduate Rachel Pierstorff all received scholarships from GIS in the Rockies Scholarship Program. GIS in the Rockies Conference was held September 20-21, 2017 in Denver, Colorado.

Maddy Kelley and Shannon Jones at GIS in the Rockies scholarship award ceremonies. Photo: Steve Hick
• Corey Martz- “Framing the City in a Broader Natural Place: Impact of Place-based Learning in the Rocky Mountains on Sense of Place for Denver Urban Youth.” Association of American Geographers Annual Meeting, Boston MA. (April 2017).
• Danielle Nagle- “Patterns of Plant Species Biodiversity on River Islands in the Upper Susquehanna River and its Tributaries.” Association of American Geographers Annual Meeting, Boston, MA (April 2017)

Congratulations to our AY 2016-2017 Graduates!

Graduate Student Retreat at Mt. Evans field station. Photo: Maddy Kelley
<table>
<thead>
<tr>
<th>Doctoral Program</th>
<th>Bachelor’s Program: Environmental Science</th>
<th>Bachelor’s Program: Geography</th>
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<td>Diego Pons Ganddini</td>
<td>Zoe Briggs</td>
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<td>Ian Slayton</td>
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<td>Marta Castano-Blanco</td>
<td>Avery Munson</td>
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<td>Daniel Conran</td>
<td>Ian Philpott-Kenny</td>
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<td>Marina Riddle</td>
<td>Hailey Macrander</td>
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<td>Brittany Franzen</td>
<td>Sierra Schlag</td>
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<td>Lisa French</td>
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<td>Madison Sligh</td>
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<td>Casey White</td>
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<td>Kelsey Warford</td>
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<td>Kelsey White</td>
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**AY 2016-2017 Graduate Dissertations/Theses/Capstones**


**Ian Slayton, Ph.D.**, “The Response of High Elevation Wetlands to Past Climate Change, and Implications for the Future.” Advisor, Dr. Donald Sullivan.

**Corey Martz, MA, Geography**, “Urban Children’s Experience of a Natural Place Outside of Denver.” Advisor, Dr. Rebecca Powell.

**Emilio Mateo, MA, Geography**, “Rock Glacier Hydrology in the San Juan Mountains, Colorado.” Advisor, Dr. J. Michael Daniels.


**Bradley Atwood, MS, Geographic Information Science**, "Python Scripts to Automate the Maintenance of a Parcel Database," Capstone Advisor, Steven R. Hick.


Frederick Haggett, MS, Geographic Information Science, “Modeling Mule Deer Migration Using Least Cost Path to Predict the Spread of Chronic Wasting Disease,” Capstone Advisor, Steven R. Hick.

Ben Hoskins, MS, Geographic Information Science, "Sea Level Rise and Impacted Populations in Boston, MA," Capstone Advisor, Steven R. Hick.

Ryan Keeney, MS, Geographic Information Science, “Denver’s Streetcar Legacy and its Role in Neighborhood Walkability.” Advisor, Dr. E. Eric Boschmann.


Brian Pfeiffer, MS, Geographic Information Science, "Automated Breakline Investigation Project," Capstone Advisor, Steven R. Hick.

Erik Potter, MS, Geographic Information Science, "Geospatial Analysis of Induced Earthquakes and Injection Wells," Capstone Advisor, Steven R. Hick.

Ashley Rule, MS, Geographic Information Science, "The Search for the Perfect Location: Using GIS to Find Ideal Locations to distribute Locally-roasted coffee beans in Oklahoma City, Oklahoma," Capstone Advisor, Steven R. Hick.

Hilary Swan, MS, Geographic Information Science, "Spatial Correlations Between Aggravated Assault and Homicide: A Denver Case Study," Capstone Advisor, Steven R. Hick.


**HAPPENINGS**

Our department always looks forward to fellowship opportunities with faculty, staff, students, alumni and friends throughout the year. We welcome you to join us at any of our events.

**Spring Awards Ceremony and Graduation Picnic**

Once again, it was great to see the wonderful participation in our annual Spring Awards Ceremony and Graduation Picnic in June. We hold this event outside the Boettcher West building every year on the Thursday before graduation. Guests enjoyed great catering from Roaming Buffalo BBQ, a local establishment.

The following awards were presented at this year’s spring picnic:

- **Dr. Thomas M. Griffiths Memorial Award** in recognition of undergraduate scholarship and independent research in Geography-Sophia Duncan and Katherine Roselius.
- **Environmental Science Program Award** in recognition of undergraduate scholarship and independent research in Environmental Science-Rachel Wegener.
- **Dr. David B. Longbrake Award for Merit in Geography** in recognition of exceptional departmental service by an undergraduate student-Audrey Ng.
- **Dr. Robert D. Rudd Memorial Award** in recognition of graduate scholarship, research and/or exceptional departmental service in Geography-Emilio Mateo and Nikolai Alvarado.
- **Professor Moras L. Shubert Award** for outstanding accomplishment by a senior in Environmental Science-Erin Glen.
• Dr. Laurance C. Herold Award for outstanding graduate teaching assistant in Geography—Madeline Kelley and Blaise Murphy.
• Alan Bryce Henry Memorial Scholarship given to undergraduate students who have demonstrated outstanding scholarship in Environmental Science—Mel Gorton.
• Paul Stanford Bernhard Memorial Scholarship for Environmental Science—Abby Churchill.

Phi Beta Kappa inductees this year were Emily Robertson BA, Geography, Katherine Roselius, BA, Geography, Kelsey Warford, BA, Geography and a junior, Sage Bard-Gilbert, BA, Geography.

Partners in Scholarship (PINS) awards for 2017 were Sage Bard-Gilbert, BA, Geography (Dr. Sullivan and Dr. Taylor advisors) and Taylor Johaneman BS, Environmental Science (Dr. Sullivan advisor).

Welcome Back Fall Fiesta
The fall fiesta always provides a wonderful opportunity to welcome everyone back for another academic year. We continued our food truck tradition at the fall picnic in October bringing in taco and arepas food trucks. The highlight of the evening was the pumpkin carving by both faculty and students.

COLLOQUIUM UPDATE
Throughout the quarter, the Department hosts a Colloquium series in which scholars and professionals are invited to present their work related to geography and the environment. These lectures are open to all faculty, staff, students, alumni and friends of the Department. Each lecture is held in the Boettcher Auditorium.

Colloquia presentations for 2017 include:

**Preston Schiller**, University of Washington, Queen's University. “Autonomous Vehicles (AVs): Hope or Hype?”

**Alex Menaker**, Department of Anthropology, University of Texas-Austin. “Of Fire and Water, Making the World and Finding the Human in the Southern Peruvian Andes, AD 1000-1800”

**Juan Carlos Lopez**, Department of Economics, University of Denver. “Interbasin water transfers and the size of regions: An economic geography example”

**Frank Laird**, Josef Korbel School of International Studies, University of Denver (NSM Sustainability Summit Seminar). “Policy for Science: How We Got Here and Where We Might Be Headed”

**Tom Romero**, Sturm College of Law, University of Denver. “Mapping Racial Inequality: Dr. George Bardwell, DU, and the Battle to Desegregate Denver’s Public Schools”

**Harvey Miller** (Marsico Visiting Scholar), Department of Geography and Center for Urban and Regional Analysis, The Ohio State University. “Big Data for Healthy Places: Building Healthier Environments Through Opportunistic GIScience”

**Maddy Kelley, Natalie Trivino, Nikolai Alvarado, Dani Langworthy, and Shannon Jones**, Department of Geography and the Environment, University of Denver. “Reflections from the Field”: Graduate student field research experiences

**Austin Troy**, Department of Urban and Regional Planning, University of Colorado – Denver. “Datafying Urban Sustainability”

**Heyddy Calderon** (Marsico Visiting Scholar), Institute of Geology and Geophysics (IGG-CIGEO) UNAN-Managua, Nicaragua. “Hydrogeology of Nicaragua: Challenges and Opportunities”

**Steven Prager** (Marsico Visiting Scholar), Centro Internacional de Agricultura Tropical (CIAT). “AR4D and the Life Geographic”

**Kristine Hopkins** (Marsico Visiting Scholar), Population Research Center & Department of Sociology, University of Texas – Austin. “Reproductive Health Policies: What Can Texas Teach the Nation?”

**ALUMNI AND FRIENDS: SPOTLIGHTS**


Like us on Facebook!
[www.facebook.com/DUGeography](http://www.facebook.com/DUGeography)
Madeleine Meredith, BA, 2016 created a new mural for the Map Room in Boettcher West. She is currently living and working in Mexico City.

Chris Sutton, Ph.D., 1995 was recently named Distinguished Faculty Lecture at Western Illinois University. Sutton received the Distinguished Geographer Award in 2012 from the Illinois Geographical Society, which is the highest honor presented by the organization. He was the WIU Hallwas Liberal Arts Lecturer and received the Provost's Award for Excellence in University/Community Service in 2011. He is currently vice president of the Illinois Geographical Society and is a member of the Cartography and Geographic Information Society, Illinois GIS Association, National Council for Geographic Education, North American Cartographic Information Society and Rotary International.

Emily Robertson, BA, Geography, 2016 is in Monteverde, Costa Rica doing an internship at the Monteverde Butterfly Gardens working as an environmental educator, teaching tourists about cool plants and animals.

Tommy Crosby and Tyler Michael (2014, Geography & the Environment) are undertaking the adventure of a lifetime. The two left Denver in May on their bikes for a pedal-powered journey to Punta Arenas, Chile, at the southern tip of Patagonia. To stay on schedule, they are logging 50-100 miles per day in the saddle, as well as camping for roughly 300 nights.

Crosby and Michael are documenting the journey on an interactive website and map, The Spoken Tour, that allows users to suggest places to lodge, camp, and eat. By late July, the two were located in Baja California, Mexico (above), where they were tracking down bike repair parts after a pothole-induced crash. Check in with The Spoken Tour to drop a line, share suggestions, and show some Pioneer spirit!

Mike Alonzo, MA, 2007 is now an assistant professor at American University who specializes in satellite and airborne remote sensing of the terrestrial environment. His work falls mostly into one of three categories: 1) Urban ecosystem analysis using fusion of hyperspectral imagery and lidar data, 2) Characterization of boreal forest fires effects in Alaska (also leveraging hyperspectral and lidar data), 3) Land cover change analysis using Landsat time series algorithms.

Ryan Keeney, MS, 2017 writes since graduating, “I wrote a series of articles on the DenverUrbanism blog about my capstone project and received invitations to speak at the Denver Tramway Heritage Society and the Colorado Saving Places conference. I also attended the seven weeks Citizen’s Academy put on by the Transit Alliance nonprofit where I learned about public transportation planning and the challenges facing RTD in Denver. At the end of the academy I developed an Action Plan focused on improving the intersection at University and Buchtel boulevard. In September I became a GIS Intern at the City of Commerce City and in early December I landed my first full time position as a GIS Analyst at Digital Data Services.”
Ashley Lovell nee Wells, BA, Environmental Science, 2006 is living in Denver and I am now the Director of Communications and Marketing at The Alliance Center, a mission-driven collaborative working space in Denver that is focused on growing the sustainability movement.

We enjoy hearing from our Alumni and welcome you to go to our Website and click on the Alumni Update Form to send us updates.

If you’d care to donate to the Geography and the Environment department, please click on the link: http://www.du.edu/give/
Thank you to our Contributors!

The Geography & the Environment Department faculty, staff, and students would like to express our sincere appreciation and gratitude to the following alumni and friends for their financial contributions to support the department this year:

- Nicholas Allen
- Aubry Andreas
- Anonymous
- Matthew Bell
- Robert M. Birnberg
- Max Ben-Hamoo
- Laurie Bernhard & Paul
- Stanford Bernhard Foundation
- Kim Lyford Bishop Fund
- Mackenzie Kaitlin Boli
- Laura Brodhead
- Robert and Lynn Butcher
- Douglas Clark
- Wesley Patrick Conway
- Pascha Brianne Enzi
- Wendy and Craig Fitzner
- John and Ann Haartz
- Robyn & Michael Hartmeyer
- Michael Hauck and Chelsey Baker-Hauck
- Joyce L. Herold
- Robin Heckelman Harris
- Rolland and Beatrice Hoverstock
- William and Zeljka Howard
- Neil and Renae Humburg
- Kyla Iwinshi
- Richard Joseph
- Paulina Kruse
- Jordana and Ryan Levenick
- David Longbrake
- Hunter Logan
- Ellen Joyce Mango
- Rokha Na
- Sara Neuder
- Michael Podshadley
- Preston Poythress and Astrid Klopsch
- Kathryn Saphire
- James Forrest Smith
- Sean and Amanda Tierney
- Terrence and Linda Toy
- Mary Jo and Charles Wagandt
- Michelle Zimmerman

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To make a gift online, please visit: [http://www.du.edu/give/index.html](http://www.du.edu/give/index.html)