

NDSU

VOLUME 1 ISSUE 15

IT'S HAPPENING AT STATE

AUGUST 26 2009

Published by the Office of the Vice President for University Relations.

Trade Office prepares for move to Richard H. Barry Hall

The North Dakota Trade Office is finalizing its move to NDSU's new Richard H. Barry Hall in downtown Fargo. The structure will be home to the College of Business and the Department of Agribusiness and Applied Economics.

Susan Geib, Trade Office executive director, and John Adams, vice president for finance and administration, signed a sublease agreement on Aug. 6. NDSU President Joseph A. Chapman and Tim Flakoll, Tri-College provost and director of downtown operations, also participated.

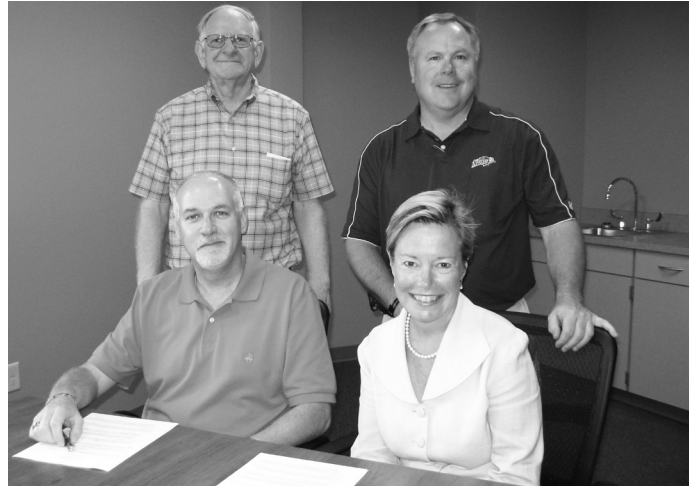
Chapman said having the Trade Office located in the state-of-the-art Richard H. Barry Hall will benefit NDSU, the Trade Office and the citizens of the state.

"Having the Trade Office here is really an exciting opportunity for our students," Chapman said. "It is going to allow our students on a day-to-day basis to interact directly with their future trading partners from all over the world. That is going to be an enormous educational opportunity for them, and it will have tremendous benefit for the Trade Office because when they bring people here, they are going to have the vibrancy of an academic building in which to do business."

Geib said the office's 10-member staff will begin moving into its new quarters late this month, with plans for the Trade Office to begin operations on Sept. 1.

"This facility really lends itself to a global community," Geib said of Richard H. Barry Hall. "We will have global teleconferencing – in fact, three days after we move in, we are inviting all our Big Iron exporters here for a video conference with four countries. They'll discuss the 120 buyers they've recruited to come to North Dakota for the Big Iron farm show."

Geib said there are many potential international trade partners, including the cattle industry in Kazakhstan, planning to consult with NDSU faculty members.



Top left to right: NDSU President Joseph A. Chapman and Tim Flakoll, Tri-College provost and director of downtown operations. Bottom left to right: John Adams, vice president for finance and administration, and Susan Geib, Trade Office executive director.

"The fact that we are across the hall from international agribusiness and MBA students is going to be a very nice synergy and ability to bring things forward," Geib said. "This just raises the bar to a totally new level and our team is more than excited and motivated to participate in this."

"We've worked hard to create partnerships between private industries and our universities to foster economic growth, and the Trade Office's move to Richard H. Barry Hall is another step in that direction," said Lt. Gov. Jack Dalrymple, who chairs the Trade Office board of directors. "As part of the International Studies program, the Trade Office will be able to benefit both businesses and students by giving them the resources and skills they need to compete in a global economy and build on North Dakota's growing presence in the world marketplace."

NDSU www.ndsu.edu/itshappening

NDSU Bookstore fall hours
The NDSU Bookstore will be open from 7:30 a.m. to 6 p.m. Monday through Thursday, 7:30 a.m. to 5 p.m. on Friday, 10 a.m. to 3 p.m. on Saturday and closed on Sunday.

NDSU Bookstore² fall hours (Richard H. Barry Hall)
The NDSU Bookstore² opened on Aug. 24 and the hours are 8 a.m. to 6 p.m. Monday through Thursday and 8 a.m. to 5 p.m. on Friday. The store will be closed Saturday and Sunday.

Faculty and Staff can ride MAT Bus for free
There is no cost for faculty and staff to ride MAT Bus routes. Bison Cards are required. Go to www.ndsu.edu/bus-shuttle or www.matbus.com for more information.

Weekly publication resumes
Regular, weekly publication of "It's Happening at State" resumes with this issue.

NDSU releases long-term alcohol and drug prevention plan

On July 29, NDSU unveiled its comprehensive, long-term plan to reduce alcohol and other drug abuse by students. The Strategic Plan to Address High Risk Alcohol and Other Drug Use takes an environmental management approach to prevention by addressing the problem from many angles. NDSU is a dry campus and has long had prevention strategies in place. The goal of the new plan is to enhance existing policies in order to create an environment for intellectual and personal development by promoting safety and welfare for all members of the university community.

The plan comes after two years of work by the President's Council on Alcohol and Other Drugs, which includes a mix of faculty, staff and students. President Joseph A. Chapman charged the council with creating a strategic plan that included accountability at all levels, was far reaching in its scope, included measurable outcomes and reflected the core values of the university. The plan's aim is not to eliminate the use of alcohol, but rather to reduce the high-risk use that leads to problems for individuals and the community. The actions outlined in the plan are based on proven prevention strategies.

"Reducing alcohol and other drug misuse is everyone's responsibility; we can all contribute to changing the university culture," Chapman said. "This long-term, comprehensive plan will guide us as we continue to address the issue with campus and community partners. Its objectives are reasonable and attainable."

A few of the actions outlined in the plan include requiring online personalized alcohol education for all incoming first-year students, providing consistent late-night weekend events for students on campus and implementing a nationally recognized counseling program for students at high risk for alcohol-related problems.

The plan also addresses athletics. In addition to already existing programs, two new programs will be implemented. MyPlaybook is an Internet-based substance-abuse prevention program specifically for student athletes. BASICS is a pilot program for students at high-risk for alcohol-related problems. Gene Taylor, director of NDSU athletics, chairs the President's Council on Alcohol and Other Drugs.

The plan is available at www.ndsu.edu/alcoholinfo.

Report ranks North Dakota among most productive states in higher education

North Dakota is among five states ranked most productive in higher education. In a July 16 report from the Delta Project on Postsecondary Education Costs, Productivity and Accountability, Florida, Colorado, Washington and Utah also are listed as most productive states because their cost per credential is the lowest in the nation. The report states that these states convert resources into credentials that have value in their marketplace.

Patrick Kelly, National Center for Higher Education management systems, prepared the report titled "The Dreaded 'P' Word: An Examination of Productivity in Public Postsecondary Education."

The report presents a new market-based methodology for estimating productivity in state public higher education systems. The new measure relates state and student spending on higher education to the market value of degrees and credentials produced.

Alaska, Wyoming, Delaware, Rhode Island and Connecticut have the most expensive degrees and are the least productive states, according to the study.

The Delta Project is an organization that researches higher education finance. Its focus is how spending relates to access and success, and ways that costs can be controlled without compromising quality.

For more information, go to <http://chronicle.com/news/article/6797/new-study-takes-a-crack-at-measuring-higher-educations-productivity>.

NDSU forensic DNA lab receives Department of Justice designation

A cutting-edge DNA lab at NDSU has been approved by the U.S. Department of Justice to perform crime-fighting work. The Justice Department has placed the NDSU Forensic DNA Facility on its list of approved DNA vendor laboratories eligible for work through the Forensic DNA Backlog Reduction Program. The notification was announced by Sen. Byron Dorgan.

NDSU's Forensic DNA Facility uses high-tech equipment and methods for use in criminal and civil court cases. The lab joins just 24 others in the nation eligible for similar work through the DNA Backlog Reduction Program, which received \$151 million in federal funding this fiscal year.

"Approval by the National Institute of Justice as a DNA laboratory vendor to receive casework from law enforcement agencies, under the Forensic DNA Backlog Reduction Program, is a major accomplishment for our facility," said Berch Henry, director of the NDSU Forensic DNA Facility. "This achievement acknowledges that our program has successfully met the highest standards of our profession."

The NDSU Forensic DNA Facility uses state-of-the-art methods to perform evidence analysis on both criminal and civil cases. The facility is engaged in basic and applied forensic research. The NDSU lab provides the criminal justice system with forensic DNA analysis to help solve cases, assist government laboratories and provide reanalysis of casework evidence.

The NDSU Forensic DNA Facility is accredited by Forensic Quality Services – International Division of the National Forensic Science and Technology Center. This accrediting agency inspects U.S. laboratories for adherence to standards set by the International Organization for Standardization and the DNA Advisory Board (established by the director of the FBI).

The NDSU research team focuses on the trickiest of DNA identification cases and on training others in DNA forensic science. The group studies ways to maximize results from the smallest amounts of DNA evidence. The NDSU scientific team's experience includes extensive work at major metropolitan, county and state police forensic laboratories, as well as in private sector laboratories.

NDSU, in association with efforts from Dorgan and the Red River Valley Research Corridor, received \$3.5 million in grant awards from the National Institute of Justice to establish the Forensics DNA Facility. The facility is among the first in the country to combine teaching with a functioning forensic DNA lab. A doctoral track is under development to provide students in biochemistry with an emphasis in forensic DNA technology – among the first program of its kind in the nation.

The NDSU Forensic DNA Facility team includes board-certified members (American Board of Criminalistics) who possess more than 50 years combined experience in forensic serology and DNA analysis – from identification of biological fluids to DNA profiling. Its scientists are members of the American Academy of Forensic Sciences, Association of Forensic DNA Analysts and Administration and Midwestern Association of Forensic Scientists.

For more information, go to www.ndsu.edu/dna.

Chinese faculty members visit NDSU, participate in workshops

A Chinese academic delegation visited NDSU to participate in a variety of instructional workshops. The group of 11 faculty members is from Zhejiang Economic and Trade Polytechnic in Hangzhou, China.

The group arrived in Fargo on July 31. They attended workshops, corporate tours and special events. The workshops focused on the content of specific NDSU courses, development of syllabi, student learning outcomes, teaching methods, assessment procedures and testing methods.

The Chinese instructors teach in the areas of computer science, business and food safety. They met with NDSU President Joseph A. Chapman and Provost Craig Schnell on Aug. 13. The group also spent two days at Valley City State University with VCSU faculty and staff and President Steve Shirley.

The visitors were enrolled in a one-credit seminar with Kendall E. Nygard, NDSU professor of computer science, as the instructor of record. "It is likely that what they learned in our workshop will be adapted and used as the basis for courses to be offered in the future at their home institution," said Nygard, who has journeyed to the Chinese campus twice. "This visit is intended to be a step in developing a much broader partnership with Zhejiang Economic and Trade Polytechnic that includes a twinning program for undergraduate students."

Primary NDSU faculty members and instructors who delivered the workshops and participated in the program are Nygard; Karen Froelich, associate professor of business; Joseph Latimer, instructor of management information systems; Jun Kong, assistant professor of computer science; Jin Li, assistant professor of business; Marvin LeNoue, instructor of English as a Second Language; and Deland Myers, director of the School of Food Safety.

With an enrollment of more than 6,000 students, Zhejiang Economic and Trade Polytechnic is celebrating the 30th anniversary of its founding this year.

NDSU receives emergency planning grant

NDSU has been awarded a \$412,352 grant under the Emergency Management for Higher Education Program to develop a comprehensive emergency management plan. Called the Ready Campus Initiative, the planning will prepare the campus in the event of emergency situations such as weather catastrophes, pandemics or terrorism events.

The project officially began on July 1 and runs through Dec. 31, 2010. Carol Cwiak, lecturer of sociology, anthropology and emergency management, is the principal investigator on the award, with Daniel Klenow, professor and chair of sociology, anthropology and emergency management, serving as co-investigator.

NDSU will institute a four-phase plan of prevention-mitigation, preparedness, response and recovery. According to Cwiak, it will include extensive collaboration with community partners.

"Front-end dialogue and planning can help us create a plan that we can then train and exercise so we can prepare our people on campus to respond appropriately if we are at risk or in jeopardy. They will know what actions to take in an event to protect themselves and others," explained Cwiak. "It just makes good sense, because we know emergencies and disasters are going to happen."

In addition to the comprehensive emergency management plan, the funds will be used to increase the number of staff members with National Incident Management System training, conduct a series of test exercises and integrate emergency management policies into publications and communication channels.

"We are being pro-active and thinking ahead, so that when the inevitable happens we will be better prepared to better handle it," Cwiak said.

Klenow said a project director will be hired and more than \$90,000 is budgeted for graduate students to serve as project team members. He said the grant follows the recently completed Disaster Resistant University project.

North Dakota's Congressional delegation noted the importance of the latest grant, which is distributed by the U.S. Department of Education.

"As Fargo saw first-hand this spring, emergency preparedness is essential when disaster strikes," Sen. Kent Conrad, Sen. Byron Dorgan and Rep. Earl Pomeroy said in a joint statement. "Located in the heart of North Dakota's largest city, NDSU's emergency preparedness is paramount to the safety of Fargo in the event of a disaster. These funds will help NDSU develop a comprehensive emergency management plan to ensure they are ready to respond should a catastrophe occur."

Ray Boyer, director of the University Police and Safety Office, said, "The grant not only allows for the collaborative efforts of academic and operational units to get an ever-increasing important job done at NDSU, but also opens the door for further emergency preparedness, response and continuum of operations for other institutions within the university system in North Dakota and across the country. The templates developed through this work at NDSU will be invaluable going forward to allow others to develop emergency programs without re-inventing the wheel with limited resources."

Weather alert radios to be installed in NDSU departments

A total of 400 weather radios will be placed in NDSU facilities during the next few weeks. The radios are part of NDSU's Ready Campus Initiative and were purchased as part of a \$412,352 grant recently awarded by the U.S. Department of Education under the Emergency Management for Higher Education Program.

The radios are intended to provide warning notification to NDSU faculty, staff and students about severe weather events, such as tornadoes, thunderstorms and blizzards, and quick onset emergencies, such as large chemical spills, in the Fargo and Cass County areas.

"My biggest concern is a quick onset event like a tornado or a chemical spill. A weather radio gives direct line contact, which is important in such an event. You may have only a few minutes to react, and a few minutes may make a big difference," said Carol Cwiak, lecturer of sociology, anthropology and emergency management and the principal investigator on the grant. "The radios are a simple tool to put in place, and they really give our people another layer of warning and protection."

The small desktop radios are programmed to receive only Cass County weather alerts, and they automatically activate when the National Weather Service issues severe weather alerts or other emergency alerts.

Cwiak said the radios, which cost approximately \$30 apiece, will be distributed throughout the main campus, NDSU's downtown facilities and at research locations across the state. The radios will be installed and programmed by members of the Ready Campus Initiative team.

In addition to the radios, "The Emergency Action Guide" containing information compiled by the University Police and Safety Office will be distributed.

Cwiak will provide a copy of the guide to all of her students the first week of school and encourages other faculty members to do the same. "Students look to us for guidance, and by providing them the guide, we not only show them we care about what happens to them, we also emphasize the message that they need to take personal responsibility for their own preparedness – once again reasserting that safety and security is everyone's responsibility," she said. "I have found that students armed with the correct information are a powerful resource and I believe that applies here. We need to empower the students to react responsibly in emergency events by sharing information with them that can help keep them safe."

Not every office on campus will receive a weather radio; however, the radios will be strategically placed throughout administrative offices, research buildings, residence halls and other campus facilities to ensure that the university community receives the necessary notification to take protective action in a quick onset event.

NDSU's Ready Campus Initiative is a collaborative partnership between the Emergency Management Program and the University Police and Safety Office. The grant provides funding to complete comprehensive emergency planning for the campus. For more information, contact Cwiak at 1-5847.

Athletic department, NDSU Bookstore partner in new shop

The NDSU athletic department and NDSU Bookstore launched a new online team shop on Aug. 18 as an extension of a long-standing sales relationship.

The NDSU Bookstore, which manages merchandise sales at home football and basketball games, will service the official online team shop at *GoBison.com* and *NDSUBookstore.com*.

"We are very excited about entering into this partnership with the NDSU Bookstore," said NDSU athletic director Gene Taylor. "We have had a tremendous working relationship over the years and this effort will enhance that even more."

University officials say the partnership is a great example of two on-campus departments working together. It will offer a higher level of customer service than the previous provider and will keep revenue within the university.

"Our many NDSU fans will have access to great products and excellent service from our bookstore staff," said Prakash Mathew, vice president for student affairs. "I am very pleased because this collaboration is a win-win for both of our departments."

The NDSU Bookstore is open daily on campus in the Memorial Union. For more information, call 1-7761.

Graduate School announces new degree programs

NDSU's Graduate School added new graduate programs that will be available for the 2009-10 academic year. The Transportation and Logistics Program in the College of Graduate and Interdisciplinary Studies now offers two new graduate degrees and two new certificate programs. The programs will focus on urban transportation systems; linkages between transportation, land use, the environment, emergency response and logistical delivery systems; coordinated planning, operations and security; and the spatial dimensions of urban systems.

The Master of Science in Transportation and Urban Systems degree is targeted at students with strong research interests and capabilities who want to work in the fields of research or education. Two courses for this program will be available in fall 2009.

The Master of Transportation and Urban Systems degree is targeted at mid-career professionals and other candidates who want to gain skills appropriate to their career without participating in advanced research. Two courses for this program will be available in fall 2009.

The Transportation and Urban Systems Certificate is a program designed to enhance working professionals' credentials in the transportation and logistics field.

The Transportation Leadership Graduate Certificate is an online program designed to prepare future leaders of the transportation industry. This prestigious program is an initiative of the Regional University Transportation Centers. This program will be available fully online starting in spring semester 2010. However, students are encouraged to begin the admission process in the 2009 fall semester.

DIVERSITY

NDSU makes changes to non-discrimination policy

NDSU has finalized two changes to Policy 100: NDSU's equal opportunity and non-discrimination policy. The wording has been changed from Vietnam veterans and updated to make clear that all veterans are included. The second change is to add gender identity to the policy that will include transgender individuals.

According to Evie Myers, vice president for Equity, Diversity and Global Outreach, NDSU's commitment to the value of diversity guided these changes. "It was important for NDSU to make this change as a commitment to our value for diversity, and to be welcoming to all people who work and study here," Myers said.

With the wording of Policy 100, the inclusion of all veterans often has been questioned. The new wording states "status as a U.S. veteran." The change includes all veterans who have and are serving our country. This assures all U.S. military individuals that they are included in the non-discrimination policy.

Twenty years ago, when the last change was made, sexual orientation was added to the policy. Meyers said that gender identity has been added in order to make our campus more open and welcoming to all faculty, staff, administrators and students. "My hope is that transgender individuals and veterans who work and study here at NDSU have always been treated with respect and dignity. However, the changes that were recently made to Policy 100 provide us with the opportunity to address any incidents of discrimination that might occur in the future," Myers said.

For more information go to www.ndsu.nodak.edu/policy/100 or contact the Office of the Vice President for Equity, Diversity and Global Outreach at 1-7708.

NDSU community invited to FORWARD lectures

All members of the NDSU community are invited to attend two lectures on faculty advancement. Members of FORWARD's external advisory board will deliver each lecture.

Christine Hult, associate dean in the College of Humanities, Arts, and Social Sciences at Utah State University, will present "Low Cost High Impact: Suggesting for Warming the Campus Climate for Women," on Thursday, Aug. 27, at 12:30 p.m. in the Memorial Union Plains room. Susan Carlson, associate provost for faculty advancement and diversity at Iowa State University, will present "An Architecture for Institutional Transformation at ISU: People and Policy, Data and Dissemination," on Friday, Aug. 28, at noon in the Memorial Union Plains room.

Both Carlson and Hult have worked with the National Science Foundation Advance funding at their own institutions. Their presentations will draw on that experience.

A free lunch will be served. To register, go to www.ndsu.edu/forward, click on the registration link and complete the registration form. Registration is required.

ND EPSCoR summer camp held



Alan Denton, associate professor, explains a physics concept to participants.

A two-week science, technology, engineering and mathematics (STEM) summer camp for American Indian tribal college students, faculty and reservation high school teachers was held June 1-12 at NDSU. The annual camp, a component of a more comprehensive project Nurturing American Tribal Undergraduate Research and Education (NATURE) to attract American Indian youth to STEM careers, is funded by the National Science Foundation and the North Dakota Experimental Program to Stimulate Competitive Research (ND EPSCoR).

In its fifth year, NATURE has four component activities including summer camp for tribal college students and faculty at NDSU, summer camps for high school and middle school students at tribal college sites, Sunday Academy directed to high school students in the five North Dakota reservations and university-tribal college collaborative undergraduate research mentoring.

The camp opened with a traditional American Indian prayer by Denise Lajimodiere, assistant professor in education, followed by a luncheon in the Alumni Center. Participants also attended President Joseph A. Chapman's dedication of the Sacred Grandmother Earth's Gifts of Life Garden, located on NDSU's campus. Five American Indian STEM professionals made presentations to the participants about their professional experiences and career prospects.

Camp activities for students included laboratory visits and demonstrations in physics, chemistry, computer science and engineering; field visits; mathematics lessons; and project work. Students also spent a day at the UND campus. NDSU and UND instructors introduced science, math and engineering disciplines and career opportunities to the students.

G. Padmanabhan, civil engineering; Robert Pieri, mechanical engineering; and Chad Ulven, mechanical engineering, organized and conducted the camp. Adnan Akyuz, climatology; Uwe Burghaus, chemistry and molecular biology; Scott Pryor, agriculture and biosystems engineering; Mark Sheridan, biological sciences; Xinhua Jia, agriculture and biosystems engineering; Alan Denton, physics; Prakash Ranganathan, electrical engineering at UND; Thomas Freeman, plant pathology; Hanying Xu, director, environmental analytical research lab at UND; and Julia Zhao, in chemistry at UND; were the primary resource faculty for instruction and project mentoring in the camp. Jaclynn Walette, director of multicultural services, coordinated the recreational and social activities. Austin Allard, an undergraduate student in civil engineering, assisted in instruction and logistics of the camp.

RESEARCH

Three faculty to publish article on body comparison



Terbizan

Three faculty members from the Department of Health, Nutrition and Exercise Sciences will publish an article titled "A Comparison of Different Body Composition Techniques," in the Missouri Journal of Health, Physical Education, Recreation and Dance.

Donna Terbizan, Yeong Rhee and Sherri Stastny conducted research with seniors who are majoring in health, nutrition and exercise sciences. Students participated in multiple types of body composition measurement techniques.



Rhee

"We predicted body fat percentage using techniques that included hydrostatic (water displacement) weighing, 3- and 7-site skinfold measurements, leg-to-leg bioelectrical impedance measurement and a body mass index percent fat prediction," Terbizan said. "We found that all of the predictions were significantly the same, with the exception of using the body mass index percentage prediction. So, one could use hydrostatic weighing, skinfold measurements and bioelectric impedance predictions of body composition with the population interchangeably."



Stastny

The researchers said the study also helped educate the students about different ways to measure body composition, including estimated percentage of body fat. The article is expected to be published this year.

Nine Faculty and students receive grants for research

The Environmental and Conservation Sciences Graduate Program seeks to foster interdisciplinary scholarship that transcends traditional academic boundaries. In support of this goal, a recent seed grant competition was held for faculty to obtain funds to foster the development of interdisciplinary research collaborations to increase extramural grant submissions. Faculty from nine departments in four colleges successfully obtained funding.

Donna Jacob, research assistant professor of biological sciences; Achintya Bezbaruah, assistant professor of civil engineering; and Marinus Otte, professor of biological sciences; secured funding to pursue research concerning nano-particle uptake in wetland plants. Adnan Akyuz, assistant professor of natural resource science; G. Padmanabhan, professor of civil engineering; and Thomas DeKeyser from agricultural and biosystems engineering, will conduct research to develop a high density precipitation network in North Dakota. Chris Biga, assistant professor of sociology, anthropology and emergency management, and Erin Gillam, assistant professor of biological sciences, will conduct ecological and sociological research concerning the impacts of wind energy on wildlife populations. Geosciences faculty Ken

Lepper, Peter Oduor and Adam Lewis will conduct work to link the geologic record on floodplain evolution to Red River flooding and bank erosion. Zhulu Lin, assistant professor of agricultural and biosystems engineering; Xinhua Jia, assistant professor of agricultural and biosystems engineering; Shawn DeKeyser, assistant professor of range science; and Robert Hearne, assistant professor of agribusiness and applied economics, will evaluate the economic environmental impacts of agricultural land use changes on water quality and plant community richness at the watershed level. Steve Travers, assistant professor of biological sciences, and Marion Harris, professor of entomology, will investigate the restoration genetics and reproductive dynamics of the endangered western-fringed prairie orchid.

The research collaborations will further support the expansion of interdisciplinary research at NDSU. The principal investigators plan to use these funds to develop competitive grant proposals for submission to regional and national funding agencies including the Environmental Protection Agency, National Science Foundation, National Institutes of Health, United States Department of Agriculture and United States Geological Survey.

The environmental and conservation sciences program also recently supported a competition for graduate student research. Research grants were awarded to nine students representing four departments. Grants were provided to civil engineering students Qigang Chang, Tu Thi Anh Le, Rabiya Shabnam and Tanush Wadhawan; biological sciences students Justin Fisher, Brandon Kowalski and Sharmila Sunwar; Vijaya Jvoti from geosciences; and Brianna Schneck from veterinary and microbiological sciences and biological sciences.

Majdik publishes article



Majdik

Zoltan Majdik, assistant professor of communication, had an article titled "Judging Direct-to-Consumer Genetics: Negotiating Expertise and Agency in Public Biotechnological Practice," accepted for publication in *Rhetoric and Public Affairs*.

The article analyzes how providers of direct-to-consumer genetic tests communicate about abstract, technical genetic science with non-expert audiences. It argues that direct-to-consumer genetics reveals an impasse in public discourse over where legitimate agency for interpreting genetic test results, judging their meaning and making decisions in response to them, should rest.

According to Majdik, rhetorical analysis of textual communication between lay people and providers of genetic biotechnological products shows that in these communicative transactions, norms of what counts as expertise are contested and interpretive spaces for personal judgment are opened that aid non-expert deliberation about technical issues in applied genetic biotechnology.

Oster-Aaland and Vangsness publish alcohol poisoning article



Oster-Aaland

Laura Oster-Aaland, director of Orientation and Student Success, was lead author on an article published in *Journal of Studies on Alcohol and Drugs*. Co-authors included Jane Vangsness, alcohol and other drug coordinator at NDSU; Melissa Lewis, Clayton Neighbors and Mary Larimer, all professors at the University of Washington.



Vangsness

The article, titled "Alcohol Poisoning Among College Students Turning 21: Do They Recognize the Symptoms and How Do They Help?" examines students' reported helping behavior in alcohol-related emergencies with their peers. The research was the result of a three-year collaborative study between NDSU and the University of Washington to explore ways to reduce high risk drinking among college students. The study was funded by the National Institute on Alcohol Abuse and Alcoholism.

Three NDSU professors receive Collaborative Pilot Seed Grants

Three NDSU professors are recipients of Collaborative Pilot Seed Grant awards through North Dakota Experimental Program to Stimulate Competitive Research (ND EPSCoR). The grants total more than \$207,400 for a two-year period. The new program provides opportunity for pairs of investigators to explore joint, multidisciplinary research projects that could lead to clusters or focal groups capable of obtaining independent funding.

Jun Kong, assistant professor of computer science at NDSU, and Kang Zhang, professor of computer science at the University of Texas at Dallas, received an award for their project, "Mobile-Friendly Web Browsing."

Yildirim Bora Suzen, assistant professor of mechanical engineering at NDSU, and Forrest Ames, professor of mechanical engineering at the University of North Dakota, received an award for their project, "Measurements and Predictions of Heat Transfer, Transition and Aerodynamic Loss at Low Reynolds Numbers in High Speed Flows."

Weiyi Zhang, assistant professor of computer science at NDSU, and Tao Jiang, professor of electronics and information engineering at the Huazhong University of Science and Technology in China, received an award for their project, "Robust Hybrid Wireless Network Coverage for Rural Public Safety."

North Dakota EPSCoR is a federally and state funded program designed to help university researchers compete more effectively for federal, regional and private research grants in the sciences, engineering and mathematics. For more information, visit www.ndepscor.nodak.edu.

Plant pathology graduate students win awards



Nepal

Faculty, professional staff and graduate students from the Department of Plant Pathology attended the North Central Division meeting of the American Phytopathological Society, held at Iowa State University, Ames, June 21-23. The three-day meeting consisted of workshops, symposia and a full day of student presentations, all addressing the theme of the event, "Meeting the Challenges of Global Food and Energy Production."



Gambhir

Achala Nepal, a student studying under the direction of associate professor Luis del Rio, won first place in the graduate student oral presentation competition with her research titled "Effect of Sclerotial Moisture Content on Carpogenic Germination of *Sclerotinia Sclerotiorum*."



Alananbeh

Aakansha Gambhir won second place in the graduate student poster competition with the presentation, "Evaluation of Aggressiveness and Host Range of *Fusarium Acuminatum* and *Fusarium Redolens* Associated With Root Rot of Dry Beans." Her research is directed by Rubella Goswami, assistant professor.

Graduate student travel awards also were presented to Nepal, Kholoud Alananbeh (advised by professor Neil Gudmestad) and Krishna Puri (advised by assistant professor Shaobin Zhong).

Borr and Young publish paper



Borr

School of Education faculty Mari Borr and Brent Young will publish their paper, "Retirement and Attrition Trends of Extension Professionals in North Dakota," in the *Journal of Extension*.

The article reports the findings of a survey of North Dakota Extension professionals who were asked to report their intentions regarding retirement and when they plan to leave North Dakota Extension. Borr and Young also collected general demographic data.

"The high level of attrition (74 percent) that could take place during the next 10 years was surprising," Young said.



Young

Borr and Young expect the article to be published within the next six months.

American Indian students and teachers participate in SUNRISE

American Indian students from tribal communities throughout North and South Dakota participated in the Native American Freshman Research Experience at NDSU and the University of North Dakota in Fargo. The event ended July 17.

Founded in 2005, SUNRISE is a student-centered, faculty-led research program at NDSU, UND and other North Dakota universities.

Fifteen high school students, two high school teachers and four tribal college students are spending two weeks working in laboratories with SUNRISE faculty mentors. They will participate in programs designed to introduce them to North Dakota's two research university communities and to science and engineering majors.

UND President Robert Kelley, SUNRISE director Wayne Seames and staff members of the UND American Indian Student Services Center welcomed participants at an opening ceremony on July 6 at the UND American Indian Student Services Center. The participants were paired with their faculty mentors to work on research related to sustainable energy technologies.

The mission of SUNRISE is to conduct research that contributes to solving complex energy-related problems, investigate the development of sustainable energy options, spur economic development and job creation for North Dakota, increase UND and NDSU research competitiveness in sustainable energy and produce graduates to develop and promote sustainable energy in North Dakota, the region and the nation. All this is done within a unified, interdisciplinary program that translates fundamental research into commercial solutions.

The Department of Energy's Experimental Program to Stimulate Competitive Research (EPSCoR) Infrastructure Improvement Program and the SUNRISE BioProducts Center of Excellence provide funding for this program. The program coordinator is Julia Zhao, assistant professor of chemistry at UND. The NDSU program is managed by Uwe Burghaus, associate professor of chemistry.

SUNRISE awarded \$1.95 million Infrastructure Improvement grant

An interdisciplinary team of SUNRISE researchers from NDSU and the University of North Dakota have been awarded a \$1.95 million grant from the U.S. Department of Energy and an additional \$527,000 from the North Dakota Experimental Program to Stimulate Competitive Research (EPSCoR) program to study the impacts of particulate and trace element impurities on emerging advanced coal power systems.

The three-year program, titled "Performance Impacts of Impurities in Clean Coal Systems Equipped with Carbon Capture Technologies," consists of an interrelated set of experimental and modeling projects focused on improving our understanding of the fundamental chemistry that determines the formation and partitioning of particulate matter and trace elements during oxygen-coal combustion and coal gasification.

Additional elements of the program include a faculty seed grant program and funding to facilitate collaboration of North Dakota researchers with colleagues at the U.S. Department of Energy's national laboratories. Three SUNRISE outreach programs also will receive support, including the SUNRISE summer research experience for undergraduates, the American Indian freshman research experience and the California non-doctoral student outreach through research program.

This U.S. Department of Energy grant serves as a foundation project to continue the development of SUNRISE's capabilities into a nationally recognized, highly funded center for research in sustainable energy. The research team is comprised of principal investigator Wayne Seames, SUNRISE director from UND chemical engineering; co-principal investigators Mark Hoffmann, UND chemistry, and Steven Benson, UND chemical engineering; Evguenii Kozliak and David Pierce, UND chemistry; Brian Tande, UND chemical engineering; Uwe Burghaus, NDSU chemistry; and Dean Webster, NDSU coatings and polymeric materials department. Burghaus will serve as lead principal investigator for NDSU's subcontract from UND.

Founded in 2005, SUNRISE is a student-centered, faculty-led research program at UND, NDSU and other North Dakota universities.

NDSU faculty and students participate in FEMA conference

The NDSU emergency management program was well represented at the FEMA/Department of Homeland Security's 12th annual All-Hazards Higher Education Conference at the Emergency Management Institute in Emmitsburg, Md., in early June.

Carol Cwiak, emergency management lecturer, presented at Business Continuity session and served as a panelist on the Emergency Management and Homeland Security Higher Education Programs Integration roundtable. She also presented data on the 2009 Body of Knowledge survey and moderated a session, titled "Building Partnership Opportunities Across Borders," which focused on NDSU's collaboration with the North Dakota National Guard and the Emergency Management Programs in Ghana.

Professor and chair Daniel J. Klenow presented "Growing and Maintaining Bachelor's Level Emergency Management Programs."

Doctoral student and Presidential Fellow Jessica Jensen presented with Cwiak on the newly initiated Emergency Management Emcollaborative program. Jensen also presented at the Emergency Management Theory session. Doctoral student Daniel Martin moderated a session titled "Catastrophic Failures: Emerging Threats to Critical Infrastructure."

Emergency management graduate students Marc Khatchadourian, Alex Cole-Corde, Pierre Freeman and Ryan McEwan presented a session titled "Sink or Swim: Putting Education into Practice." This session focused on their participation in the response to the 2009 flood event.

PEOPLE

Center director to focus on international opportunities



Wright

Newell Wright joined the NDSU College of Business faculty July 1 as director of the new Center for Global Initiatives and Leadership, which will be housed in Richard H. Barry Hall. A professor of marketing, Wright comes to NDSU from James Madison University in Harrisonburg, Va.

“Increasingly, people are working in a diverse environment, doing business with people who are different culturally, socially and economically,” Wright said, noting international education will be a major focus of the center. “You may never work abroad, but I’ll almost guarantee if you work in business, you’ll have customers in other countries and your supplies will come from centers around the world.”

Wright is fluent in French and has taken more than 750 students to countries throughout Europe to study. At James Madison University, he received the 2005 Provost Award for Excellence in Education for his study abroad efforts.

His plan for NDSU’s center is to bring international opportunities through study abroad programs, exchange activities and invited speakers who will discuss topics ranging from business practices in other lands to international diplomacy.

“We want to provide an opportunity for students to learn about business in other parts of the world, to learn more about the major trading partners that North Dakota has,” he explained. “We also want to bring international students to NDSU to give other points of view.”

From neighboring Canada and Mexico to Europe and Asia, Wright wants NDSU business students to examine and explore the many ways that companies operate. “The world is a big place, and the center will emphasize that we are in a global environment,” he said, adding he also plans to work closely with the North Dakota Trade Office.

“There is great potential to internationalize the NDSU community,” Wright said, suggesting programs may include international seminars, conferences and study abroad opportunities. “The major goal of the center is to benefit the state of North Dakota, and produce NDSU graduates who know about international trade and are familiar with global issues.”

Among Wright’s other honors are the 2002 Outstanding Educator Award from the Academy of Educational Leadership and the 2000 Distinguished Teaching Award from the Direct Marketing Educational Foundation. He earned his bachelor’s degree and MBA from Brigham Young University in Provo, Utah, and his doctorate in marketing from Virginia Polytechnic Institute and State University in Blacksburg, Va.

Residence Life hires associate director for staffing



Peterson

Casey Peterson has been hired as associate director for staffing in the Department of Residence Life. His responsibilities include providing leadership and coordination for the recruitment, selection, training and evaluation of 12 full-time hall directors, 105 resident assistants and 17 COAR team staff (summer conferences staff).

He will directly supervise the hall director staff and oversee the supervision of student staff. As a member of the central management team for the Department of Residence Life, Peterson will contribute to the overall administration of the department, including assessment and budget processes.

Peterson previously worked on campus for five years in the Office of Orientation and Student Success. He also served in an NCAA compliance capacity with student athletes.

Thoennes names senior associate director of residence life



Thoennes

Karla Thoennes has been named senior associate director of the Department of Residence Life. Her responsibilities include support, leadership and management for the department. She will offer supervision and oversight for the Living-Learning Program and departmental operations, including student conduct, behavioral intervention and departmental assessment.

Thoennes has worked in the Department of Residence Life for 12 years, serving as associate director for the past five years.

Yadav to serve on editorial board of an international journal



Yadav

Om Prakash Yadav, assistant professor of industrial and manufacturing engineering, has been invited to serve on the editorial board of the International Journal of Quality Engineering and Technology. Based in England, the main goal of the journal is to present state-of-the-art, high-quality research developments in all areas of quality engineering and technology.

Yadav was chosen for this position because of his participation in international research conferences and for his process of reviewing manuscripts. Yadav also is serving as associate editor of the International Journal of Reliability and Safety published by Inderscience Publishers. He also participates as an organizing committee member and paper reviewer for several international conferences including the Society of Automotive Engineers, the Industrial Engineering Research Conference and the Institute of Electrical and Electronics Engineers International Conference on Industrial Engineering and Engineering Management.

EVENTS

Summit on public transportation workforce development set

With fuel price increases, an emphasis on green transportation and a growing reliance on public transportation by retiring baby boomers, public transportation has been in the spotlight like never before. As a result, interest and ridership are up. But a lack of qualified workers may be a roadblock in the otherwise bright future of the industry.

The conference "Solutions Summit for Public Transportation Workforce Development" is scheduled for Thursday, Sept. 10, at the Fargo Holiday Inn. The event will bring experts from across the country together to exchange ideas and develop strategies to address this need for workers and leaders.

"The need for professionals in the public transit could significantly hamper the industry's ability to meet the mobility needs of its clients," said Jill Hough, director of the Small Urban and Rural Transit Center, a sponsor of the conference. "We're looking at how we can develop workers and leaders from technicians, mechanics and drivers to planners, schedulers and administrators."

Representatives from universities, public transit agencies, consulting companies and other organizations interested in a healthy public transportation industry should attend. "This issue is crucial for all communities. Meeting growing demand for workers in public transportation will require innovative approaches," Hough says.

Cost of the conference is \$75 and registration is required by Sept. 1. For more information, go to www.surtc.org/workforcesummit or call 1-8082. Attendees will hear from healthcare professionals who have addressed similar issues and have found solutions to attract, develop and retain individuals to fill key positions. Breakout sessions will allow representatives from government, education, industry and other organizations to brainstorm solutions and approaches to meeting the need for workers in public transit.

The Small Urban and Rural Transit Center is a program of the Upper Great Plains Transportation Institute at NDSU. Co-sponsors include the American Association of State Highway and Transportation Officials, American Public Transportation Association, Community Transportation Association of America, the Council on University Transportation Centers and the Federal Transit Administration.

Lab and chemical safety courses scheduled

Lab and chemical safety courses are planned for Wednesday Sept. 2, from 8:30 a.m. to 12:30 p.m. in the Memorial Union Meadow Lark room and Thursday, Sept. 3, from 12:30 p.m. to 4:30 p.m. in the Memorial Union Prairie room.

The course is required for new laboratory workers and serves as a refresher course for people currently working in laboratories. Topics include knowledge of chemicals, personal protection, fire safety, electrical safety, hazard communication standards, physical and chemical hazards, chemical spills and waste handling.

There is no fee for the lab and chemical safety course. The instructor for the course is Ted Jirik. Class size is limited to 20 people per session. In the event no one registers, the class will be canceled. Registration is required and students must attend the entire session. For more information or to register, contact Stephanie Wegner at stephanie.wegner@ndsu.edu or call 1-7759.

Radiation safety course set

A "Laboratory Use of Radioactive Material" course has been scheduled for Tuesday, Sept. 1, from 9 a.m. to 2 p.m., at Research 1, room 202. The course is designed for requested new or potential users of radioactive materials in the laboratory or field application. It also serves as a refresher course for those currently using radioactive materials. Successful completion of the course is required in order to use radioactive materials on campus and will be verified by a passing test score.

Topics include basic theory of radioactivity, biological interactions with radiation, radiation protection, minimizing exposure level, rules and regulations, safe handling, and decontamination and lab procedures. Participants should bring a scientific calculator. Mike Borr, radiation safety officer, will be the instructor. To register or for more information, contact Stephanie Wegner, at stephanie.wegner@ndsu.edu or 1-7759.

Uchiyama to speak about Japanese garden design

Sadafumi Uchiyama, a renowned landscape architect with expertise in Japanese garden design, will give a presentation on Friday, Aug. 28, at 5 p.m. on the fifth floor of Renaissance Hall. He will speak about the creation of a dwelling place, territory or environment that is reflected in the design of Japanese gardens in and outside of Japan. He also will address the imperatives of sustainable design and how Japanese culture and design can positively influence landscape architecture.

This presentation is co-sponsored by the NDSU Department of Architecture and Landscape Architecture and the Northern Plains Botanic Garden Society, which is developing a Japanese garden at the Northern Plains Botanic Garden in Fargo.

Part-time Jobs Fair scheduled

The NDSU Career Center has scheduled the Part-time Jobs Fair for Thursday, Sept. 3, from 11 a.m. to 2 p.m. in the Memorial Union Great Plains Ballroom. The event is a way for NDSU departments that hire non-work study students to publicize their openings. A total of 585 students attended this event last year.

The deadline for departments to register is Thursday, Aug. 27. Register online at www.ndsu.edu/career/employers. For more information, contact Kim Teske at 1-7112. Departments may also post their job opportunities on the Career Center Web site at www.ndsu.edu/career.

Famulari's Food Network Challenge to air at Fargo Theatre



Famulari

After four appearances on the Food Network Challenge television show, Stevie Famulari says her most recent stint might be the least exciting, but perhaps the most meaningful. To Famulari, least exciting means nothing collapses or catches on fire. In a competition titled "Cereal Bridges II," Famulari and her partner, Adrienne Toubbeh, competed against three other teams to recreate famous bridges from across the world with rice cereal treats. The winner received \$10,000.

The 2009 spring flood of Fargo-Moorhead inspired Famulari, NDSU assistant professor of landscape architecture and food artist, to create a replica of Fargo's Main Avenue Bridge in honor of those who fought to save the community. In an effort to celebrate Fargo-Moorhead's victory, the Fargo Theatre has planned to air the show on Monday, Aug. 31, at 5:30 p.m. Refreshments, including rice cereal treats, will be served. The event is free and open to the public.

"I'd love for the community to be a part of this," Famulari said. "The Food Network Challenge producers contacted me during the flood, and the only bridge I would agree to do was the Main Avenue Bridge."

Famulari obtained all construction documents from the engineers who built the Main Avenue Bridge so that she could build her version in mathematical proportion. She scaled her piece, titled "One Point," down to about 4 feet wide by 4 feet tall. She used an electric pump to flood the piece with white water, which symbolized milk.

Because only one person completed their piece in the first "Cereal Bridges," the Food Network gave it a second try. In the first competition, Famulari and Toubbeh built the Seri Wawasan Bridge, which is located in Putrajaya, Malaysia. Their idea did not go according to plan and the bridge collapsed during the final presentation.

Famulari's previous competition, titled "Mystery Client Cakes," also will air on Aug. 31. During this challenge, she designed a cake for a client who was revealed only moments before the competition began. Because of the show's circumstances, Famulari's cake was named Flambé and the episode went down in history when she became the first contestant to require a fire extinguisher.

Wellness Center offering outdoor group exercise classes

The NDSU Wallman Wellness Center is offering a month of outdoor group exercise classes through the end of September. Five different exercise classes will be offered in locations around campus. Classes include "Yoga," "Get Ripped Abs," "Boot Camp," "Pilates" and "Self-Defense." The classes are free to the NDSU community. You do not have to be a member of the wellness center to participate.

For more information, contact Sara Kuhry at sara.kuhry@ndsu.edu or 1-7360. A complete listing of classes, dates, times and locations can be found at <http://Wellness.ndsu.edu/wellness/fitness/GroupExercise/OutdoorGEx.php>.

NDSU offers free Webinar about improving quality of online courses

A free Webinar, titled "How Quality Matters' Updated Standards Improve Online Courses," for NDSU faculty, staff and information technology professionals, is planned for Wednesday, Sept. 2, from noon to 1:30 p.m. at the SGC building, room D104. The event, sponsored by NDSU Distance and Continuing Education, is free, but registration is required due to limited seating. Participants are welcome to bring their own lunch. Beverages and a dessert will be provided.

According to Lyn DeLorme, instructional designer for Distance and Continuing Education, design can make or break online-only or blended courses. "The pitfalls of a poorly designed course can stymie interaction, impede learning and ruin the experience for students and faculty," she said. "And with their increasing popularity, getting courses right the first time is more important than ever."

The Quality Matters Rubric is a peer-reviewed standard for online course design. This 90-minute video online seminar provides concrete design strategies from the latest 2008-2010 Rubric, immediately applicable to existing or future courses.

Ronald Legon, executive director of The Quality Matters Program, will present the Webinar. He is experienced as an administrator, serving as provost at the University of Baltimore for more than a decade. He also is a pioneer in the field of online courses, helping to launch the first Association to Advance Collegiate Schools of Business-accredited online MBA program.

Participants in this seminar will learn to:

- Design courses according to nationally-recognized standards,
- Create course components that encourage interactivity,
- Generate measureable course objectives,
- Use resources to continue updating and improving courses,
- Improve accessibility and alignment and
- Gain peace of mind knowing your institution's courses stack up with the best.

Alumni Association plans activities for first Bison football game

The NDSU Bison football team begins the 2009 football season against the Iowa State University Cyclones on Thursday, Sept. 3, at 7 p.m. The NDSU Alumni Association has planned several events to help kick off the season.

A pre-game party will begin at 4 p.m. at the Iowa State Center, Scheman Building. NDSU apparel and tailgating food and beverages will be available for purchase. Post game events are planned at the Gateway Hotel and Conference Center, 2100 Green Hill Drive, Ames, Iowa. A disc jockey will provide music for dancing and a cash bar will be available. The event costs \$10 per person. There is no charge for children ages six and under. Pizza will be provided, with the cost included in the entrance fee.

For more information on hotel options, maps, directions, transportation, parking or game tickets, go to www.ndsualumni.com.

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NDSU Dept 6020, PO Box 6050
Fargo, ND 58108-6050

CALENDAR

AUGUST

31 Poster Sale, Memorial Union Gallery

SEPTEMBER

1 Soccer vs. Creighton, 4 p.m., Ellig Sports Complex

3 Career Center – Part-time Jobs Fair, 11 a.m. to 2 p.m., Memorial Union Great Plains Ballroom

7 Labor Day holiday observed – university closed

11 Volleyball vs. Oral Roberts, 7 p.m., Bentson/Bunker Fieldhouse

12 Volleyball vs. Centenary, 7 p.m., Bentson/Bunker Fieldhouse

17 Career Center – Meet the Firms, 4 p.m. to 7 p.m., Memorial Union Great Plains Ballroom

19 Football vs. Wagner College (Trees Bowl), 6 p.m., Fargodome

23 Career Center – Engineering and Tech Expo, 10 a.m. to 3 p.m., Fargodome

25 Volleyball vs. Indiana University Purdue University Indianapolis, 7 p.m., Bentson/Bunker Fieldhouse

26 Volleyball vs. Western Illinois, 7 p.m., Bentson/Bunker Fieldhouse

SHORTS & REMINDERS

Positions Available

Positions open and screening dates through the Office of Human Resources, SGC, 1919 N. University Drive. Position openings also are available through the NDSU Web site at www.ndsu.edu/jobs.

Academic Assistant

Graduate School
\$30,000+/year
Sept. 2

P.M. Retail Supervisor/#00020454

Monday to Friday, weekends as needed;
1 p.m. to 9:30 p.m.
Dining Services – Memorial Union
\$10+/hour
Aug. 25

Access Services Librarian/#00018997

Library
\$42,000 minimum/year
Aug. 31

NEXT ISSUE Publication date: Wednesday, Sept. 2 | Submissions due: noon Aug. 27

SEND SUBMISSIONS TO THE EDITOR Sadie Anderson | ndsu.itshappening@ndsu.edu
Library 16, NDSU Dept 6020, PO Box 6050, Fargo, NDSU 58108-6050 | Voice: 231-8326 | Fax: 231-8969

SEND CHANGE OF ADDRESS REQUESTS FOR IT'S HAPPENING AT STATE | char.goodyear@ndsu.edu

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