

# NDSU

VOLUME 5 ISSUE 2

IT'S HAPPENING AT STATE

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## Entrepreneur Randal Pinkett to be keynote speaker for Innovation Week

Entrepreneur, scholar and author Randal Pinkett is scheduled to be the keynote speaker during the fourth annual Innovation Week, Feb. 26-28, hosted by NDSU and the NDSU Research and Technology Park.

Innovation Week '13 includes an innovation competition for students, educational sessions on innovation and entrepreneurship and networking opportunities. The week culminates with Pinkett's keynote address and the Innovation Challenge '13 awards ceremony Thursday, Feb. 28, at 5 p.m., in the Memorial Union Great Plains Ballroom. The event is free and open to the public.

"The goal of Innovation Week is to make students aware that creating a new idea can lead to a start-up and that starting a business is a career option to consider," said Brenda Wyland interim executive director of the NDSU Research and Technology Park. "We also want to show students the resources available and connect them with entrepreneurs, like Randal Pinkett, who have been where they are now."

Pinkett is the founder, chair and CEO of his fifth venture, BCT Partners, a multimillion-dollar management consulting and information technology solutions firm headquartered in Newark, N.J.

He has received numerous awards for business and technology excellence, including the Information Technology Senior Management Forum's Beacon Award, the National Society of Black Engineers' Entrepreneur of the Year Award and the National Urban League's Business Excellence Award. He has been featured on nationally televised



*Pinkett*

programs such as "The Today Show," "Live with Regis and Kelly," "Nightline" and "Larry King Live." He also was the winner of the NBC reality television show, "The Apprentice," with Donald Trump.

Pinkett is the author of "Campus CEO: The Student Entrepreneur's Guide to Launching a Multimillion-Dollar Business" and "No-Money Down CEO: How to Start Your Dream Business with Little or No Cash" and co-author of "Black Faces in White Places: 10 Game-Changing Strategies to Achieve Success

and Find Greatness." He holds five degrees, including a bachelor's degree in electrical engineering from Rutgers University, where he was captain of the men's track and field team; a master's degree in computer science from the University of Oxford in England; and a master's degree in electrical engineering, MBA and doctorate from the Massachusetts Institute of Technology. He was the first and only African-American to receive the prestigious Rhodes Scholarship at Rutgers University.

The Innovation Week '13 schedule is available at [www.ndsuresearchpark.com/Pages/default.aspx](http://www.ndsuresearchpark.com/Pages/default.aspx).

## NDSU to administer student survey

Starting the first week in February, NDSU will administer the National Survey of Student Engagement. The survey tracks how engaged students are in learning and helps NDSU identify its strengths and opportunities for improvement.

The National Survey of Student Engagement will randomly select NDSU freshmen and seniors to complete the survey. The students will receive an email invitation with a link to the online survey.

The questions focus on students' participation in activities and programs determined to be best practices in undergraduate education.

NDSU has administered the survey every other year since it first became available in 2000, said Mark Hanson, research analyst in Institutional Research and Analysis.

Students who complete the survey will be entered in a drawing to win one of 50 \$50 Walmart gift cards.

## NDSU [www.ndsu.edu/ihas](http://www.ndsu.edu/ihas)

### News and events

As information becomes available, news and event updates will be located on the "News and Events" website at [www.ndsu.edu/news](http://www.ndsu.edu/news).

### Deadline set for Feb. 15 It's Happening at State

The next electronic issue of It's Happening at State will be posted Feb. 15 at [www.ndsu.edu/ihas](http://www.ndsu.edu/ihas). Submissions for that issue are due at noon on Feb. 12.

### Events scheduled to celebrate Black History Month

African and African-American culture will be highlighted through a series of events scheduled to celebrate Black History Month. For more information, visit [www.ndsu.edu/multicultural](http://www.ndsu.edu/multicultural) or contact Ruth Grimmatt-Tejedor at [ruth.grimmatttejedor@ndsu.edu](mailto:ruth.grimmatttejedor@ndsu.edu).

Event information also is available at [www.ndsu.edu/eventcalendar](http://www.ndsu.edu/eventcalendar).

## NDSU Cares program to receive recognition

The NDSU Cares program has been selected to receive Bronze recognition for the 2013 Excellence Awards program of NASPA—Student Affairs Administrators in Higher Education. Recipients will be honored in March at the organization’s 2013 annual conference in Orlando, Fla.

The organization said the NDSU Cares program “demonstrates excellence in designing a program that promotes a supportive, healthy and nurturing environment for students through its comprehensive suicide prevention initiative.” The NDSU Cares program was recognized in the Student Health, Wellness, Counseling and Related Category.

“NDSU Cares provides something for everyone,” wrote Janna Stoskopf, dean of Student Life, in a letter of support. “Whether it is an at-risk student completing an ISP, a faculty member utilizing the Decision Tree tool to know when and how to make a referral or a staff member participating in Mental Health First Aid training program, the Counseling Center is effectively connecting the campus population to critical services. For some students, the ability of a faculty or staff member to identify a concern and successfully make a referral could mean the difference between successfully persisting toward their academic goals and leaving the university.”

Selections were based on such criteria as having a positive impact on student learning, demonstrating success in addressing student needs or critical campus issues, collaboration with other departments, originality and creativity.

More information on the awards is available at [www.naspa.org/programs/awards](http://www.naspa.org/programs/awards).

## Grant to fund LGBT training for local therapists



Stone Carlson



Benson

Faculty members in NDSU’s couple and family therapy program have received funding to increase the number of local therapists trained to meet the mental health needs of lesbian, gay, bisexual and transgender clients.

Tom Stone Carlson, Christi



McGeorge

McGeorge and Kristen Benson received a \$60,000 grant from the Otto Bremer Foundation to offer training to Fargo-Moorhead therapists and mental health agencies. The training will focus on how to provide supportive, affirmative services to LGBT clients and their families.

“An important part of NDSU’s mission is community outreach,” said Provost Bruce Rafert.

“This project is a good example of collaboration between NDSU researchers and professionals in the community to give LGBT residents access to the best possible mental health care.”

The grant also will fund the continued development of the LGBT Mental Health Alliance, a network of mental health professionals committed to providing affirmative services, and the creation of an online directory of LGBT affirmative therapists in the Fargo-Moorhead Area.

The community is invited to a kick-off event for the project on Friday, Feb. 8, from 3:30-4:30 p.m., at the Family Therapy Center, 1919 N. University Drive, Fargo.

Training sessions are scheduled for Friday, March 1, and Friday, April 12, from 1-4 p.m. Therapists who are interested should call Michelle Pearson at 1-8534.

NDSU’s couple and family therapy program is nationally recognized as a leader in educating students to work effectively with a diverse clientele. The program won the prestigious Training Award from the American Association for Marriage and Family Therapy in fall 2012.

## Community partnership results in Muslim Journeys Bookshelf award

The Fargo Public Library, in collaboration with NDSU’s College of Arts, Humanities and Social Sciences and Fargo-Moorhead’s Center for Interfaith Projects, has been awarded a National Endowment for the Humanities Muslim Journeys Bookshelf, a collection of books, films and other resources on the history and culture of Muslims in the United States and around the world.

“The College of Arts, Humanities and Social Sciences joined the partnership to build on other work we do as outreach, particularly to New Americans,” said Betsy Birmingham, associate professor of English and associate dean for the College of Arts, Humanities and Social Sciences.

The Fargo Public Library is one of 842 public, academic and community college libraries across the country selected to receive this grant. The NDSU Libraries also received the award.

The Fargo Public Library’s award includes two complete sets of materials, one for the Main Library and one for the Dr. James Carlson Library. Each library will receive 25 books, three films and access for one year to Oxford Islamic Studies Online. The materials will be available to the public starting March 1.

Through the grant, NDSU faculty members will use their expertise to develop programming, including a community conversation about how people in Fargo welcome and understand Muslims and a screening of the film “Koran by Heart,” followed by a discussion of topics raised in the film.

A complete listing of materials included in the grant is available at [www.cityoffargo.com/News.aspx?id=4606](http://www.cityoffargo.com/News.aspx?id=4606). For more information on the award or programming, contact Birmingham at [elizabeth.birmingham@ndsu.edu](mailto:elizabeth.birmingham@ndsu.edu).

## FORWARD announces course release award recipients



Bowsher



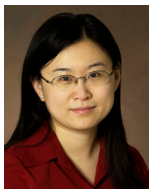
Ganesh Pillai



Offerdahl



Prischmann



Wang



Momsen

Six NDSU women faculty have been awarded NDSU FORWARD course releases for the 2013-14 academic year. Five recipients will have course releases for fall 2013, including Julia Bowsher, assistant professor of biological sciences; Rajani Ganesh Pillai, assistant professor of management and marketing; Erika Offerdahl, assistant professor of chemistry and biochemistry; Deirdre Prischmann, assistant professor of entomology; and Yechun Wang, assistant professor of mechanical engineering. Jennifer Momsen, assistant professor of biological sciences, will have a course release for spring 2014.

The National Science Foundation funded ADVANCE FORWARD project provides support for annual course releases. Priority for course release awards is given to assistant professors who have completed their third-year review and associate professors within two years of promotion to full professor. Future application opportunities for the course release grant program will be announced in It's Happening at State and on the FORWARD webpage at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

Five FORWARD grant programs have application deadlines during the spring 2013 semester. They include:

- Leadership development grants due Feb. 8
- Climate and gender equity research grants due March 28
- Leap lab renovation grant due April 26
- Leap research grant due April 26
- In addition, applications for the Mid-career Mentoring Program will be accepted on an ongoing basis.

Specific application information for each grant program is available at [www.ndsu.edu/forward/funding\\_opportunities](http://www.ndsu.edu/forward/funding_opportunities). Questions about funding opportunities through the Advance FORWARD project can be directed to Canan Bilen-Green, FORWARD director, at [canan.bilen.green@ndsu.edu](mailto:canan.bilen.green@ndsu.edu) or 1-7040.

## Renowned animal behaviorist Temple Grandin presents at NDSU



*Internationally renowned animal behaviorist and facility designer Temple Grandin visited NDSU on Jan. 25. She lectured to animal sciences undergraduate and graduate students, visited with animal sciences faculty and presented a public lecture to a near-capacity audience in the Memorial Union Great Plains Ballroom. Grandin is a professor of animal science at Colorado State University, author and autism activist. Additional images and a video from her visit is available at [www.ag.ndsu.edu/ansc/temple](http://www.ag.ndsu.edu/ansc/temple). Photo by Charlie Stoltenow.*

## Germans from Russia documentary receives Aurora Award

A documentary produced in cooperation with the Germans from Russia Heritage Collection recently received accolades. "At Home in Russia, at Home on the Prairie," the seventh documentary of the Germans from Russia series, received the Platinum Best of Show Award in the historical category from the Aurora Awards.

The honor is the highest award the group presents for a television documentary. Only 27 documentaries in the nation received the award in 2012. The Aurora Awards is an independent and international film and video competition for commercials, cable programming, documentaries and industrial, instructional and corporate videos.

The documentary was produced by Prairie Public Broadcasting in cooperation with the NDSU Libraries' Germans from Russia Heritage Collection. Michael M. Miller, director of the NDSU Libraries' Germans from Russia Heritage Collection, and Bob Dambach, director of television at Prairie Public Broadcasting, were the executive producers.

"This documentary shares the life of the Germans from Russia living in South Russia and their life after journeying to the prairies of the Northern Plains," Miller said. "It has been a rewarding and enriching experience working with Prairie Public Broadcasting to produce these award-winning documentaries."

More information about the documentary, as well as DVD ordering information, is available at <http://library.ndsu.edu/grhc/order/tapes/kutschurgan.html>.

## Animal sciences professor featured in youth science magazine



Berg

As professor and associate head of animal sciences, Eric Berg typically educates university students in his field. However, he recently had the chance to inspire a younger audience.

Berg was featured in the article "Meet a Meat Scientist!" in the January 2013 issue of Jr. Animal Scientist. The magazine is offered as part of a Jr. Animal Scientist program membership

through the American Society of Animal Science. The program is offered to children ages 5 to 12 who are interested in learning about science and the animal world.

The article discussed Berg's education, background with animals and how he became interested in meat science. He also provided some advice to those interested in the field. "Animal science is the best major because it goes into what animals eat and how it affects their physiology," Berg said. "Animal science offers the chance for students to learn by doing and gain hands-on experience."

For more information about Jr. Animal Scientist, visit <http://animalsmart.org>.

## Assistant professor elected fellow of British Computer Society



Khan

Samee U.Khan, assistant professor of electrical and computer engineering, was elected a fellow of the British Computer Society. It is the highest member grade the society bestows.

A congratulatory letter to Khan from the society stated, "As a fellow, you take your place among the most senior and respected professionals in information technology. Fellowship is one of the

British Computer Society's most valuable assets. Combining a wealth of knowledge and experience, our fellows enable the society to have real influence in the industry."

The British Computer Society is arguably one of the two largest societies for computer scientists and information technology professionals, Khan said. Conceived in 1957, the society has more than 71,000 members from more than 100 countries. Of its membership, only 2,903 are classified as fellows.

Khan is an adjunct computer science professor at NDSU and COMSATS Institute of Information Technology, Pakistan. Khan also is a visiting professor of cloud computing at the Chinese Academy of Sciences.

## ND EPSCoR announces doctoral dissertation assistantships

The North Dakota Experimental Program to Stimulate Competitive Research call for Doctoral Dissertation Assistantships proposals is available at [www.ndepscor.nodak.edu](http://www.ndepscor.nodak.edu). Applications are due by May 30 at noon.

Applications must be made by the students with supplemental information provided by their advisers, along with endorsement from their department's graduate program director and the department chair.

North Dakota EPSCoR's Doctoral Dissertation Assistantships program is designed to increase the completion rate of doctoral students enrolled in science, engineering and mathematics disciplines at North Dakota's two research-intensive universities; and increase the number of competitive proposals submitted to the National Science Foundation.

North Dakota EPSCoR is a federally and state funded program designed to improve the ability of university researchers to compete more effectively for federal, regional and private research grants in sciences, engineering and mathematics.

For more information on Doctoral Dissertation Assistantships, visit [www.ndepscor.nodak.edu/programs/DDAndsuRFP2012.htm](http://www.ndepscor.nodak.edu/programs/DDAndsuRFP2012.htm).

For additional information, call the ND EPSCoR office at 1-8400; Sheri Anderson, interim co-project director, at 1-7516 or [sheri.anderson@ndsu.edu](mailto:sheri.anderson@ndsu.edu); or Elizabeth Jung, program coordinator at 1-1048 or [elizabeth.jung@ndsu.edu](mailto:elizabeth.jung@ndsu.edu).

## Scholarship endowment honors longtime NDSU faculty member



Berg

NDSU has established the Paul Berg Endowment Fund to honor a longtime Department of Animal Sciences faculty member who retired in December.

Berg was a faculty member in the department for 47 years. An associate professor, he taught undergraduate courses in animal breeding and genetics, and meats evaluation. He also coached the NDSU Meats Judging and Meat Animal Evaluation

teams, and advised animal sciences' Carnivore Catering graduate student organization.

Through his leadership, Carnivore Catering has served thousands of meals at university functions, alumni events and other gatherings throughout the region. The group's meals always feature meat as the main course.

To donate to the scholarship fund, contact the department at 1-7641 for a pledge card or donate online at [www.ndsufoundation.com](http://www.ndsufoundation.com). Be sure to note that your gift is for the Paul Berg Endowment Fund.

For more information about the endowment, contact Greg Lardy, head of the animal sciences department, at 1-7660 or [gregory.lardy@ndsu.edu](mailto:gregory.lardy@ndsu.edu).

## NDSU develops Farm Fuel Budget app

Farmers can use a new Farm Fuel Budget cellphone app to plan their farm fuel budget and use for the next year or more.

John Nowatzki, NDSU Extension Service agricultural machine systems specialist, developed the Android cellphone app for crop producers to compare projected fuel costs and use for their farming operation based on alternate crop acreages, tillage systems and crop rotations.

The app can be downloaded from the Google Play Store, which is accessible from the market app on Android cellphones. Users select the number of acres they intend to plant each year and acreage for each crop, then select the field operations they will use for each crop. The app estimates the fuel cost by year.

The amount of fuel budgeted for each field operation is based on the machinery cost estimates published annually by the University of Minnesota Extension.

These fuel consumption estimates are based on the assumption of 0.044 gallons of diesel fuel per power takeoff horsepower-hour, on average, for each implement type.

Users can select the number of acres allocated to each crop to compare total farm fuel use based on the same number of acres. "This feature is intended to help crop producers quickly see the difference in fuel consumption on their farm by changing the number of acres allocated to each crop," Nowatzki said. "Because field operations vary significantly for each type of crop, changing the number of acres of each crop grown impacts the total fuel cost for the farm."

By choosing the field operations on each crop, users can use the Farm Fuel Budget app to evaluate the effects of various tillage systems on fuel use. Because each field operation requires a different amount of fuel per acre, users quickly can see the impact on fuel costs by eliminating or adding specific field operations for each crop.

The last user input for the app is to enter the projected fuel cost per gallon. Crop producers can use this feature to see the effect of projected fuel prices on their total fuel budget.

Users are encouraged to evaluate the Farm Fuel Budget app on the Google Play website at <https://play.google.com> and search for Farm Fuel Budget.

## Research agronomist joins Research Extension Center

John Rickertsen joined the NDSU Hettinger Research Extension Center as a research agronomist Jan. 14.

Rickertsen's research will focus on issues facing producers in southwestern North Dakota, including variety and herbicide selection, fertilization, alternative crops, cover crops, crop rotations and no-till production practices.

Prior to coming to NDSU, Rickertsen was at South Dakota State University for 19 years, most recently as an Extension field specialist. He earned his bachelor's degree in agronomy and master's degree in plant breeding and genetics from the University of Nebraska-Lincoln.

## NDSU groups collecting items for troops

NDSU Veterans Upward Bound and the Equity and Diversity Center again are coordinating a letter-writing campaign and collecting donations for the 818th Engineering Company of the North Dakota Army National Guard.

Letters and items are being collected until Feb. 8, when they will be shipped to the soldiers who are serving in Afghanistan. Students, staff and faculty can drop items off at Ceres Hall room 338. The public can send items to NDSU Dept. 5380, PO Box 6050, Fargo, ND 58108-6050.

In December, Veterans Upward Bound, the Equity and Diversity Center and NDSU Residence Life collected more than 300 letters, cards and postcards, as well as hand-drawn artwork by daycare children at NDSU and Concordia College. In addition, 10 boxes filled with 30 to 50 pounds of toiletries and other items were sent overseas. "We had a wonderful outpouring of support by the campus for our contributions to the 818th Engineering Company," said Jeri Vaudrin, project coordinator for Veterans Upward Bound at NDSU.

In early December, two of the unit's soldiers died and another was injured while serving in Afghanistan. "We believe they need this support more than ever with the loss of their comrades," Vaudrin said.

Items of importance are letters or cards with messages to the soldiers; gum, hard candy, coffee packets and flavored drink packets such as Crystal Light; and reading materials such as hunting, automotive or fitness magazines, paperback novels, board games, playing cards, Frisbees, sketch pads and colored pencils.

Vaudrin also was able to secure a film library through a contribution by Project: Hollywood Cares, a nonprofit organization dedicated to supporting deployed military service members and their families.

Headquartered in Williston, the unit has 35 NDSU graduates. "We found out some weren't receiving letters or care packages," Vaudrin said. "We wanted to let them know we haven't forgotten them. They're still there 24/7."

For more information, contact Vaudrin at [jeri.vaudrin@ndsu.edu](mailto:jeri.vaudrin@ndsu.edu) or 1-9706.

## Professor emeritus writes memoir

Ghazi Q. Hassoun, NDSU professor emeritus of physics, recently published his memoir, "Walking Out into the Sunshine – Recollections and Reflections: A Palestinian Personal Experience."

Hassoun, who became a refugee in Lebanon in 1948, began writing about his recollections in 1996, and formalized the project in 1997. According to Hassoun, the book is the result of years of effort "to put the story in a coherent form, so that readers of a wide range of backgrounds can read and appreciate."

Visit <http://ghaziqhassounphd.com/home> for more information on the book.

Hassoun, who retired from NDSU in 1998, earned his bachelor's degree in physics from the American University of Beirut and master's degree and doctorate from the University of Minnesota.

## Officers and board members named to Alumni Association



Krueger



Hauge

The Alumni Association at NDSU has announced its officers and new board members. The 32-member board, which includes 30 alumni, one student representative and the university president, represents more than 80,000 alumni. The board sets policy for the association and works closely with university leadership to help attain institutional goals. Officers are elected for one year but can be re-elected to serve another one-year term. Board members can serve up to three, three-year terms.



Schluchter



Schuchard



Handy

### Officers:

- Mike Krueger, BS '71, Fargo, president of The Money Farm, was elected past chair of the board.
- Wayne Schluchter, BS '82, St. Cloud, Minn., CEO of Schluchter Investment Advisors, was elected chair.



Houkom

- Scott Handy, BS '80, Fargo, president and CEO of Cass County Electric Cooperative Inc., was elected vice chair.
- Brian Houkom, BS '80, West Fargo, CEO of Western State Bank, was elected secretary/treasurer.



Brossart

### Additions to the board:

- Gerald Brossart, BS '82, Fargo, president, Fargo market, Choice Financial
- Jim Hauge, BS '70, Bismarck, N.D., agribusiness consultant for Eide Bailly LLP
- Mark Johnsrud, BS '90, Watford City, N.D., vice chair and CEO of Heckmann Corp.
- Barry Schuchard, BS '83, Fargo, chief production officer of Kadrmas, Lee & Jackson Inc.

For more information, visit [www.ndsualumni.com](http://www.ndsualumni.com).

## Development Foundation, Alumni Association President/CEO named

The NDSU Development Foundation Executive committee has announced Doug Mayo has accepted the position of President and CEO of the NDSU Development Foundation and Alumni Association.

Ryn Pitts, Foundation Trustee and chair of the search committee, said, "We were looking for the right fit to take the foundation and alumni association to the next level. Doug is clearly someone who can take us there."

NDSU President Dean L. Bresciani said Mayo's breadth of experience at Purdue and Colorado State and obvious enthusiasm for the many opportunities ahead for NDSU will make him a success. "Doug clearly understands the land-grant heritage of service, and appreciates the unique strength of NDSU's commitment to students and success in research. His leadership will be instrumental in NDSU's future."

Mayo has been vice president for university advancement at Minnesota State University, Mankato, since 2008, leading award-winning development, marketing and alumni relations programs for a campus of more than 15,000 students, 1,800 faculty and staff and 159,000 alumni and friends.

Previously he was director of development for the College of Agricultural Sciences at Colorado State University, and interim director of Advancement and Corporate Relations for the College of Agriculture at Purdue University. Prior to working in higher education, he was owner and operator of a beef cattle operation, a vice president at a plating company and an attorney in North Carolina.

He earned his juris doctor degree at Wake Forest University School of Law and an undergraduate degree in history and political science at Purdue University.

Mayo will begin his role on May 1.

## Institute names technical and business development director



Hahn

David H. Hahn has been named director of technical and business development at Northern Crops Institute. Hahn has more than 30 years of experience in research, manufacturing, product development and technical support at several American food companies.

"I am delighted to announce the hiring of Dr. Hahn as NCI's director of technical and business development," said Mark Weber, the institute's director. "His long experience in the private sector will provide invaluable expertise to our programs. He will also be able to provide excellent mentoring to our team of food and cereal scientists, while working closely with the NDSU faculty and scientists."

Hahn's professional experience centers on bakery, pasta, tortillas, mixes, confectionery, sauces, milk beverages and pudding products. He has been instrumental in introducing many new food products, including Nature's Own Brand 100 percent Whole Grain

Bread and Sandwich Rounds, Healthy Harvest Pasta and Ronzoni Smart Taste Pasta. While leading teams in the new product development process, he has provided technical support for manufacturing, troubleshooting, process optimization, cost reduction and ingredient development/optimization.

“I am excited to join NCI,” Hahn said. “I was a member of the NCI pasta course faculty for 10 years, and I experienced how committed NCI is in developing and improving their training programs. I have always enjoyed the hospitality and work ethic of the NCI employees, and I believe NCI has many opportunities to expand product development, service and training to support all the crops grown in the northern region.”

Hahn began his career with Hershey Foods Corp. where he worked in product development from 1984 to 1994. He was a senior staff scientist from 1994 to 1999 for the Pasta and Grocery Group of Hershey Foods. In 1999, New World Pasta Co. purchased Hershey Pasta Group, and Hahn became director of research and technical service for New World Pasta until 2008. He served as vice president of research and development product innovation for Flower’s Foods, where he was responsible for their new product program from June 2008 to January 2011. Most recently, he worked as a consultant for Doherty Food Advisory, Thomasville, Ga.

Hahn is president of the American Association of Cereal Chemists. He also is a member of the Institute of Food Technologists and American Society of Baking. Hahn earned his master’s and doctoral degrees in food science from Texas A&M University, College Station.

He will begin his new duties on March 6.

## Transportation institute welcomes staff members



Godavarthy

The Upper Great Plains Transportation Institute at NDSU has added two members to its research staff. Ranjit Godavarthy will work on public transportation research and Bradley Wentz will direct the institute’s Advanced Traffic Analysis Center and its Department of Transportation Support Center.



Wentz

Godavarthy is working with the institute’s Small Urban and Rural Transit Center and will study transit use, energy efficiency of transit modes and other factors related to transit in rural and small urban areas.

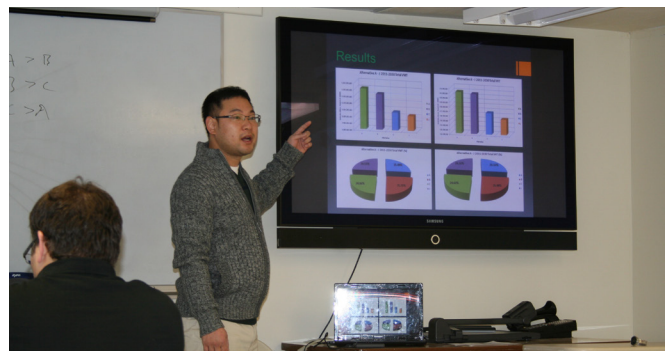
He has research experience in transportation and highway safety, public transportation, low volume road safety, roundabout studies, pedestrian studies and freight transportation. Godavarthy is originally from India and earned his bachelor’s degree in civil engineering from Nagarjuna University. He earned his master’s and doctorate degrees in transportation engineering from Kansas State University, Manhattan. He was a graduate research assistant there before joining NDSU.

As director of the Department of Transportation Support Center, Wentz will provide engineering and technical analysis for the North Dakota Department of Transportation engineers and managers.

He also will oversee the center’s team of engineering and information technology students who work on real-world projects under the direction of the Department of Transportation. He also will supervise a staff of transportation engineers and students who use the Advanced Traffic Analysis Center technology to model and analyze traffic, perform traffic studies and develop ITS.

Wentz worked as the county engineer for Becker County, Minn., for 12 years. He was involved in transportation planning, design, construction and maintenance of roads and bridges in both urban and rural areas of the county. Wentz also worked with the North Dakota Department of Transportation for 11 years, gaining experience in construction, urban design, transportation data analysis and geographic information systems. Wentz earned his bachelor’s degree in civil engineering from NDSU and is a registered professional engineer in Minnesota. He also was an active member of the Minnesota County Engineers Association.

## Students evaluate bridge options in oil country



Transportation and Logistics student Yognshin Park discusses the impact of possible bridge locations on total vehicle miles travelled in the region.

Traffic and road issues related to oil development in North Dakota became part of the curriculum for students in an advanced transportation and logistics class last semester.

For a class project, students in Transportation Planning and Environmental Planning were asked to help assess possible locations for a new bridge across the Little Missouri River between Medora and Teddy Roosevelt National Park. Engineers from KLJ Engineering challenged students to investigate possible bridge locations by assessing the possible environmental impacts of each. Key components of the assessment were to be fuel consumption and likely emissions, as well as dust created.

KLJ came to NDSU and the students because they have access to a western North Dakota traffic model developed by the NDSU’s Upper Great Plains Transportation Institute. “The UGPTI’s model is the best information out there right now with regard to traffic projects,” KLJ engineer and NDSU alumnus Troy Ripplinger told the class. The traffic model had been developed by institute staff to assess road infrastructure investment needs for the state, counties and townships when existing models could not account for the rapid growth and development there.

Currently no bridge exists across the Little Missouri River from the I-94 bridge near Medora to the Long X Bridge on Highway 85 at the entrance to the North Unit of Theodore Roosevelt National

Park, which is about 70 miles. Billings County attempted to find a location for a bridge in the 1980s and 1990s, but abandoned the project in the face of opposition. Oil development and the resulting traffic and congestion have prompted renewed calls for a bridge. Local officials say the bridge is necessary to alleviate congestion on area highways and to improve accessibility for emergency services. Others argue the bridge and resulting traffic will have a negative effect on surrounding properties and could impact the National Park.

In early October, Ripplinger and KLJ planners Kayla Torgerson and Jennifer Turnbo presented background information to the class. They described potential bridge locations and outlined state and federal environmental assessment requirements. By early December the student teams had run analysis on various potential bridge locations, prepared a formal presentation and addressed the class and a representative from KLJ with their findings.

Students Vu Dang, Ciaran Kelly and Yognshin Park presented "Fuel Consumption Based on 20-Year Vehicle Miles Traveled Forecast: A Study of the Little Missouri River, North Dakota." Students Brett Korporaal, Chipko Nsereko and Stephen Seifert presented "Fugitive Dust Emissions on the Little Missouri River Bridge Alternatives."

"This project provided students with real-world experience on issues facing our region," said course instructor EunSu Lee. "At the same time we were able to provide some specialized expertise that was of value to the engineering firm."

## Extension Service co-sponsors heart health poster contest

North Dakota youth will have a chance to demonstrate their creativity and knowledge of heart health in this spring's "Eat Smart. Play Hard." Poster contest.

The contest is open to North Dakota youth ages 8 to 19 as of Sept. 1, 2012. Posters will be judged in two age divisions: preteen - ages 8 to 12 and teen - ages 13 to 19.

The NDSU Extension Service, NDSU Extension's Center for 4-H Youth Development and the North Dakota Academy of Nutrition and Dietetics are sponsoring the contest.

The posters should educate and promote the idea of living a heart-healthy lifestyle. The posters also should inform North Dakota youth and adults about the importance of healthful food choices and regular physical activity to heart health.

This year's posters must be centered on a theme that directly relates to eating healthful foods and playing hard to promote heart health. This could include the importance of taking part in 60 minutes of physical activity each day or eating a diet rich in whole grains, fruits and vegetables.

To learn more about this topic, visit [www.ndsu.edu/eatsmart](http://www.ndsu.edu/eatsmart), [www.choosemyplate.gov](http://www.choosemyplate.gov) and [www.heart.org](http://www.heart.org).

"Many children and adults do not meet the MyPlate.gov recommendations for fruits, vegetables and whole grains, and they do not reach physical activity recommendations," said Julie Garden-Robinson, NDSU Extension food and nutrition specialist. "We

hope this activity gives children the opportunity to promote healthful eating, physical activity and heart health for their peers, families and communities."

Posters will be judged on their general appearance and how well they present messages about nutrition and/or fitness and the importance of a heart-healthy lifestyle. Winners in both age divisions will receive \$50 for first place, \$35 for second place and \$15 for third place. All entrants will receive a certificate of recognition and a small prize.

"This contest provides an opportunity for children to be creative in promoting nutrition goals that are important for long-term health," Garden-Robinson said.

To see some winning entries from previous years' poster contests, visit the "Eat Smart. Play Hard. Together" website at [www.ndsu.edu/eatsmart](http://www.ndsu.edu/eatsmart).

Entries must be postmarked by March 15. They should be dropped off at the Center for 4-H Youth Development or mailed to the Center for 4-H Youth Development, Attn: Eat Smart. Play Hard. Poster Contest Entry, FLC 219, NDSU Dept. 7280, P.O. Box 6050, Fargo, N.D. 58108-6050.

Contest rules are available at <http://tinyurl.com/postercontestrules>. A submission cover sheet must accompany each entry. The submission form is at <http://tinyurl.com/posterentryform>.

"Eat Smart. Play Hard." is a U.S. Department of Agriculture Food and Nutrition Service initiative that focuses on making America's children healthier. It provides practical suggestions to help children and their caregivers eat a healthful diet and be physically active.

## Scholarship applications sought

Applications for the NDSU Development Foundation Steinhaus-Rhinehart Scholarship are available at Student Financial Services in Ceres Hall room 202. Students with a senior standing as of fall 2013 can apply for the \$800 scholarship until the March 4 deadline.

Mabry C. Steinhaus established the endowment in 1994 in honor of her late husband and NDSU alumnus, Edward A. Steinhaus, and his parents, Alice Rhinehart-Steinhaus and Arthur A. Steinhaus. The endowment provides assistance to students in the College of Science and Mathematics or College of Agriculture, Food Systems, and Natural Resources who are majoring in a biological science, including animal and range science, biochemistry, biological sciences, biotechnology, biotic resources science, botany, crop and weed sciences, food sciences, food safety, horticulture, microbiology or zoology. Applicants also must plan to do research and attend graduate school in a biological science area and have a cumulative grade-point average of 3.0 or greater.

Edward Steinhaus grew up in Max, N.D., and graduated from NDSU in 1936 with a bacteriology major. He went on to earn his doctorate from Ohio State University in 1939, focusing on bacteriology with a strong interest in entomology.

A committee of faculty from each college will monitor applications. The recipient will be selected by mid-March and the award will be made during the fall 2013 semester.



## RESEARCH

## Researchers unite to unearth clues on potato disease



Gudmestad

In 2007, a disease found elsewhere in the world began cropping up in potato plants in the United States. Named after the dark stripes it creates on cooked potatoes, zebra chip pathogen spreads by potato psyllid insects. From tablestock to chipping potatoes, it affects all market classes of potato plants causing them to die four to six weeks after infection.

To fight the invasive disease and develop disease management strategies for the \$3.5 billion U. S. potato industry, researchers from across the country came together to offer their expertise.

That team, named the Zebra Chip Leadership Team, includes NDSU University Distinguished Professor of plant pathology Neil Gudmestad. He and four other members were recently presented the Partnership Award by Texas A&M AgriLife for their outstanding collaboration. The honor recognizes individuals or teams that develop and participate in partnership efforts with communities, industry, agency, university or associations that advance the mission of Texas A&M AgriLife to serve Texans and the world.

"I am just one member of this research team, but I am proud of what we have been able to accomplish in such a short period of time," Gudmestad said, noting they have published more than 100 peer-reviewed manuscripts since they formed in 2009 after receiving a five-year \$10.2 million grant from the United States Department of Agriculture-National Institute of Food and Agriculture-Specialty Crop Research Initiative.

Gudmestad serves as a co-director along with John Trumble from University of California-Riverside and Charlie Rush from Texas A&M. Each leads a different aspect of the research.

Gudmestad oversees a team of pathologists studying the bacterium's variability, detection and biology. Specifically, his group is working to sequence a new biotype dominant in the United States. Through working with another research group in New Zealand, where the disease also is economically damaging, they hope to learn what competitive advantages the new strain has gained and how it differs from the strain it replaced. The subgroup also is working to develop molecular technology for pathogen detection to improve disease control and provide more powerful tools to study pathogen epidemiology.

Rush is responsible for the epidemiology and risk assessment team, while Trumble, an entomologist, leads a team working with the insect vector that transmits the zebra chip bacterium.

Other team leaders include James Supak and J. Creighton Miller. Supak, a retired Texas A&M administrator, serves as a liaison between the research team and the "Texas Initiative," a consortium of the Texas Department of Agriculture, potato processors and potato growers who contribute approximately \$1 million annually to zebra chip research. Miller, a potato breeder in the horticultural sciences department at Texas A&M, leads research searching for genetic resistance to zebra chip.

Gudmestad said zebra chip is a primitive unculturable bacterium with four biotypes, two of which affect potato production in the United States. Zebra chip doesn't harm the consumer. It is aesthetically unpleasing and when cooked it creates an unpleasant bitter taste due to over-caramelized sugars in the affected areas.

His experience with the disease started almost 20 years ago, when Gudmestad and Gary Secor, NDSU professor of plant pathology, first observed the pathogen in 1994 in the León region of Mexico. Later reported in Texas, it has since spread to New Mexico, Kansas, Nebraska, Colorado, California, Oregon, Washington and Idaho.

"It went from a minor disease to a major disease of potato in the United States and New Zealand within a decade. It's what invasive pathogens do when they get into a country and there is no natural resistance in a plant species such as a potato," Gudmestad said, noting the economic losses due to zebra chip in New Zealand are calculated to be more than \$100 million annually. He said the most recent agriculture economist figures indicate the cost of controlling zebra chip in the United States exceeded \$15 million in 2012.

He and Secor first began studying zebra chip at NDSU in 2005. Although the disease isn't in North Dakota, it's of interest because several growers affected by the disease are headquartered in the state.

"It is difficult to work on a disease that is 1,500 to 2,000 miles away," Gudmestad said. "I immediately started collaborations with a Texas A&M colleague I knew, Dr. Charlie Rush, a very experienced epidemiologist."

The collaboration evolved over time. Today, more than 30 scientists representing seven universities and U.S. Department of Agriculture researchers from seven states contribute to zebra chip research to improve growers' outcomes.

The Zebra Chip Leadership Team has received two major accolades for their work.

The Partnership Award is a Vice Chancellor's Award in Excellence, the highest employee award given by Texas A&M AgriLife, which has teaching, research, extension education, laboratory and forestry facilities throughout Texas. It was presented Jan. 8 at Texas A&M University, College Station.

They also received the second highest honor from the Entomological Society of America – the Team IPM Award.

Gudmestad said the Texas A&M recognition is especially rewarding. "It is a great honor for the entire team," he said. "But it is particularly rewarding to be honored by another university."

## Assistant professor publishes paper on corporate tax decision-making



Zuber

Jill Zuber, assistant professor of accounting, co-wrote "The Influence of Attraction and Company Values on Aggressive Corporate Tax Decision-Making," which was accepted for publication in the *Journal of Accounting, Ethics and Public Policy*.

Zuber wrote the article with Debbe Sanders of Washington State University, Vancouver.

## Center for Writers associate director presents in Denmark



Peirce

Karen P. Peirce, associate director of the Center for Writers, presented at the Rhetoric in Society conference in Copenhagen, Denmark, held Jan. 15-18. Her paper, "Ethos Water: Contemporary Rhetorical Citizenship in Action," focused on the marketing and critiques of Ethos Water, a brand of bottled water sold by Starbucks. Each time Starbucks sells a bottle of water, the company

donates a portion of the proceeds to charity with the aim of providing clean drinking water to children in developing countries. Studying the rhetorical strategies used in marketing this water, as well as those used in environmental and economic critiques, reveals discourse techniques any citizen can use to effect social change.

The Rhetoric in Society conference is sponsored by the Rhetoric Society of Europe and attracts scholars in rhetoric from around the world. This year's conference included presenters from every continent and featured a welcome from the Speaker of the Danish Parliament. Keynote addresses included "Is Rhetorical Criticism Subversive of Democracy?" by David Zarefsky of Northwestern University, "Cosmopolitanism and Global Citizenship: The Rhetoric of Moral Agency" by Peter Dahlgren of Lund University, Sweden, and "The Peculiar Role of Religion in American Citizens' Public Discourse" by Karen Tracy of the University of Colorado, Boulder. Submissions to the conference were reviewed for acceptance by faculty from Lessius University in Belgium, the University of Bergen in Norway, Aarhus University in Denmark, as well as Syracuse University and Indiana University in the United States.

## Emergency management professors publish



Youngs

George Youngs, professor of emergency management, co-wrote an article with D. K. Yoon, former NDSU assistant professor, and Daiko Abe, a graduate student in NDSU's Department of Emergency Management.

Their article, "Examining factors contributing to the development of FEMA-Approved Hazard Mitigation Plans," was published in the *Journal of Homeland Security and Emergency Management*. It analyzes data from multiple, nationwide data sets and examines the relative role of staff resources, financial resources and disaster experience in predicting whether local governments have FEMA-approved multi-hazard mitigation plans.

"The Disaster Mitigation Act of 2000 requires local governments to secure approval from FEMA for their multi-hazard mitigation plans if the local governments wish to be eligible for mitigation funding, but a significant number of local governments still do not have approved plans," Youngs said.

Yoon recently returned to South Korea to begin a new disaster and risk management degree program at Ulsan National Institute of Science and Technology.

## IT staff member publishes paper on data management

Kim Owen, advanced applications and outreach coordinator in NDSU's Information Technology Division, and Michael Fary, enterprise data architect at the University of Chicago, co-wrote a white paper on "Developing an Institutional Research Data Management Plan Service."

The co-authors presented the paper at the 2012 Annual Educause Conference in Denver Nov. 8. In January, the paper was published in the Educause Library, an international repository for information concerning use and management of information technology in higher education. It also will appear in the February issue of the *Educause Review Online*.

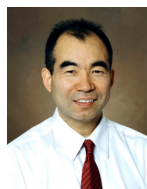
Owen and Fary, both members of the Educause Advanced Core Technologies Initiatives Data Management Working Group, co-wrote the paper to provide guidance on developing research data management planning services at higher education institutions. Their findings are based on a broad sampling of trends in these services at institutions across the United States and internationally.

"With federal agencies now requesting specific information regarding data sharing and data management, higher ed campuses are keenly aware of the need to provide support services for research activities at all stages," Owen said.

At NDSU, staff members in the Libraries and Information Technology Division have formed a Research Data Working Group, which operates under the direction of Provost J. Bruce Rafert. The group aims to increase knowledge of best practices for long-term data management, raise awareness of data management resources and tools available at NDSU, and provide data management planning assistance to researchers.

For more information about NDSU's Research Data Working Group, go to [www.ndsu.edu/research\\_data](http://www.ndsu.edu/research_data). To access an electronic copy of the white paper, go to [www.educause.edu/library](http://www.educause.edu/library).

## Researchers to publish paper on stress and pancreatic cancer



Wu

Erxi Wu, assistant professor of pharmaceutical sciences, and Fengfei Wang, research associate of pharmaceutical sciences, co-wrote the article, "B2-AR-HIF-1a: a Novel Regulatory Axis for Stress-Induced Pancreatic Tumor Growth and Angiogenesis," which will be published by *Current Molecular Medicine*.

Pancreatic cancer is a deadly disease with increased incidences in the recent years. According to the authors, epidemiological data show chronic stress in a negative social and psychological state such as depression might serve as a risk factor for cancer development and progression. However, the underlying biological mechanisms are not well understood.

"It is noted that in Asian countries, like China, doctors usually do not tell patients they have cancer directly after a diagnosis

because the doctor is concerned the stress caused by knowing they have the deadly disease may worsen the cancer status, but the scientific evidence is not known so far," said Wu, the paper's senior author.

The authors created a new stress model system to determine the effects of chronic stress on pancreatic cancer progression. They show chronic stress not only results in mice gaining depression behavior due to an elevated level of epinephrine, but also induces cancer progression. They further demonstrate that the pancreatic cancer development and progression induced by chronic stress was blocked by a B2-AR inhibitor ICI118 551 or a HIF-1a inhibitor 2-Methoxyestradiol and that the chronic stress up-regulates the expression of MMP-2, MMP-9, and VEGF via a HIF-1a-dependent B-AR signaling pathway.

"Our data suggest that B2-AR-HIF-1a axis regulates stress-induced pancreatic tumor growth and angiogenesis. This study may have a therapeutic or preventive potential for the patients with pancreatic cancer who are especially subject to psychosocial stress," Wu said.

The paper was co-written with Qingyong Ma lab at Xi'an Jiaotong University, China. "Collaborating with Dr. Ma, we together would like to find better cancer therapeutics and elucidate the mechanisms of the targeted therapy for pancreatic carcinoma," Wu said.

## Nursing posters displayed

Nursing faculty and student posters were presented at the Sanford Nursing Research Council's first annual "Nursing Research Showcase: Investigating New Knowledge" during the week of Jan. 14. Members of the Nursing Research Council hosted the open house. The posters were displayed at several Sanford locations in Fargo, including Southpointe Clinic, South University, Broadway Clinic lobby and the Medical Center's main campus.

### The posters included:

- "Evaluation of an Introductory Community and Public Health Course for Cankdeska Community College Students," by Loretta J. Heuer, professor of nursing; Molly Secor-Turner, assistant professor of nursing; graduate student Melinda Anderson; and Kara Falk, assistant professor of nursing; Dr. Marisa Oishi, Dr. Jonathan Ripp, Alexander Lloyd, Evan Pulvers, Alexander Lloyd, Dr. Lauren Macewicz, Emily Sorg, Evan Pulvers and Pasha Tubinstein of Mount Sinai School of Medicine, New York; Marilyn G. Klug of the University of North Dakota, Grand Forks; Cynthia Lindquest and Leander "Russ" McDonald of Cankdeska Cikana Community College, Fort Totten, N.D.; and Dr. Amitha Sampath and Linda F. Cushman of Columbia University, Mailman School of Public Health, New York.
- "Evaluation of the Facilitated Learning to Advance Geriatrics (FLAG) Program for North Dakota Schools of Nursing Faculty" by Loretta J. Heuer, professor of nursing, Jane Strommen, project coordinator of nursing, Kay Schwarzwalter, research assistant in agribusiness and applied economics and Mousumi Tanha, instructional designer of nursing.

- "A Community/Academic Partnership Promoting Recruitment and Retention of American Indians into Nursing" by Mary Wright, associate professor of nursing; Loretta Heuer, professor of nursing; Molly Secor-Turner, assistant professor of nursing; Norma Kiser-Larson, associate professor of nursing; Lane Azure and Leander "Russ" McDonald, Cankdeska Cikana Community College, Fort Totten, N.D.

## Pharmacy practice faculty publish research, named convention chair

Pharmacy practice faculty have written papers accepted for publication, and a faculty member has been named chair of on upcoming convention.

Jeanne Frenzel, associate professor of pharmacy practice; Elizabeth Skoy, assistant professor of pharmacy practice; and Heidi Eukel, assistant professor of pharmacy practice, co-wrote "Viewing Student Produced Videos to Increase Knowledge of Self-Care Topics and Nonprescription Medications" that has been accepted for publication in the *Currents in Pharmacy Teaching and Learning*.

Skoy, Eukel and Frenzel also co-wrote the paper, "A Cross-Over Comparison of Two Forms of Simulation to Train and Assess Pharmacy Students' Injection Technique." It has been accepted for the *American Journal of Pharmaceutical Education*.

David Scott, professor of pharmacy practice; and Mark Dewey, assistant professor of pharmacy practice, co-wrote "What Types of Nursing Homes are More Likely to Adopt a Pharmacist's Medication Review Recommendations?" that was accepted for publication in *The Consultant Pharmacist*.

Rebecca Focken, Introductory Pharmacy Practice Experiences director and assistant professor of pharmacy practice, has been named chair for the 2014 annual North Dakota Pharmacists Association Convention to be held in Fargo.

## HD&E faculty present, publish

Dean Aakre, Extension specialist, presented "Generations in the Workplace" as one of the professional development workshops at the University of Missouri Extension Program Conference, "Positioning for the Future," in Columbia, Mo.

Kara Wolfe, hospitality leadership director at Bradley University and former NDSU faculty member, along with WooMi Jo Phillips and Amelia Asperin, both assistant professors in NDSU's apparel, design and hospitality management department, had their manuscript, "Examining Social Networking Sites as a Data Collection Channel in Hospitality and Tourism Research," accepted for publication in the *Journal of Quality Assurance in Hospitality and Tourism*. The article is scheduled to be published in 2014.

Abby Gold, assistant professor of health, nutrition and exercise sciences, and colleagues Vani Chopra and Marla Reicks published a paper in the fall 2012 issue of *The Forum for Family and Consumer Issues* titled, "Barriers to Healthful Eating Among Midlife Women During Eating Occasions Focused on Nurturing Family."

Jane Strommen, assistant professor of human development and family science and Extension gerontology specialist, and Greg Sanders, associate dean and professor in the College of Human Development and Education, presented a poster at the 65th Annual Scientific Meeting of the Gerontological Society of America San Diego in November. Their presentation was titled "Growing Old in Place: The Experiences of Rural Elderly."

Kristen Benson, assistant professor of human development and family science, coordinated a pre-conference meeting in Charlotte, N.C., prior to the American Association for Marriage and Family Therapy on visioning for the future of the American Association for Marriage and Family Therapy Affirmative Caucus, a group that conducts affirmative research and advocates for inclusive clinical practice.

Benson also presented at the National Council on Family Relations annual conference in Phoenix. The first presentation was with Susan Johnson, a recent graduate of NDSU's human development and family science couple and family therapy master's program. Their presentation was titled "Parental Perceptions of Raising a Gender Nonconforming Child: Therapy Implications." She gave a second presentation with Brad van Eeden-Moorefield, associate professor at Montclair State University, titled "A Conditional Process Model Explaining the Perceived Stability of Gay Couples." Benson also was an invited speaker at the West Fargo school counselors December meeting where she presented on gender identity and children in schools.

Dani Kvanvig-Bohnsack, academic adviser, has published a review of the book "Thriving in Transitions: A Research Based Approach to College Student Success" in the National Academic Advising Association's Journal. The review is available at [www.nacada.ksu.edu/Resources/Journal/View/Articles/articleType/ArticleView/ArticleID/1219/Thriving-in-Transition-A-Research-Based-Approach-to-College-Student-Success.aspx](http://www.nacada.ksu.edu/Resources/Journal/View/Articles/articleType/ArticleView/ArticleID/1219/Thriving-in-Transition-A-Research-Based-Approach-to-College-Student-Success.aspx).

Erika Beseler Thompson, a first-year student in the Institutional Analysis option area, had an article accepted for publication with her colleagues Frank Heley, Laura Oster-Aaland, Elizabeth Crisp Crawford and Sherri Nordstrom Stastny. Their article, "The impact of a student-driven social marketing campaign on college student alcohol-related beliefs and behaviors," will be published in Social Marketing Quarterly.

Jodi Burrer, a graduate of NDSU's Master's of Athletic Training Professional Program, along with health, nutrition and exercise faculty members Pamela Hansen, associate professor; Kevin Miller, assistant professor; and Bryan Christensen, associate professor, had a manuscript accepted in the International Journal of Athletic Therapy and Training. Their manuscript, "Fracture blisters following a posterior elbow dislocation: A case study," describes the unusual occurrence of fluid-filled blisters forming over an athlete's elbow following acute elbow dislocation. These blisters are rare and usually only occur following especially traumatic events, such as car accidents. However, in this athlete, no fractures occurred and the case was resolved with conservative treatment. The article will be published this year.

Jarett Peikert, a graduate of the Advanced Athletic Training Master's Degree Program; Kevin Miller, assistant professor of health, nutrition and exercise sciences; Jay Albrecht; Jim Deal, professor of human development and family sciences and Jared Tucker, a former faculty member, had a manuscript accepted in the Journal

of Athletic Training. Their study, "Pre-exercise ingestion of pickle juice, hypertonic saline, or water does not affect aerobic performance or thermoregulation," examined whether drinking salty drinks impacts exercise time to exhaustion or the body's ability to dissipate heat. The authors observed drinking the salty drinks did not improve time to exhaustion or increase core body temperature. The article will be published this year.

Denise Lajimodiere, assistant professor in the School of Education, along with Kelly Sassi, assistant professor in the School of Education and English education; Katherine Bertolini; and Gerald Kettering had their article, "Reading the White Space in a Multicultural Field Experience" accepted in Multicultural Education. Lajimodiere also had the article, "American Indian Females and Stereotypes: Warriors, Leaders, Healers, Feminists; Not Drudges, Princesses, Prostitutes," accepted to Multicultural Perspectives.

## EVENTS

### Jazz festival to feature expert guest artists

Guest artists will provide area jazz students with expert instruction and a concert performance during NDSU's annual High School Invitational Jazz Festival. Scheduled for Feb. 1-2, the event will feature 24 regional high school jazz ensembles working with five jazz musicians.

Headlined by Kristin Korb and Rex Richardson as adjudicators and guest performers, the artists will present a series of clinics to area jazz students, along with critiquing the bands in performance. Additional performers include Dean Sorenson, David Stanoch and Matt Olson. All clinics are free and open to the public.

The festival concludes with a concert featuring the guest artists and the NDSU Jazz Ensemble. The concert, which will be open to the public, is scheduled for Feb. 2 at 7 p.m. in Festival Concert Hall. The cost is \$5 for adults and \$2 for seniors and students.

A bassist/vocalist, Korb tours internationally as a performer, clinician and guest artist with numerous jazz ensembles. As president-elect of the International Society of Bassists, Korb is artistic director for the 2013 ISB Convention in Rochester, N.Y.

Richardson is a trumpet player who was named the 2008 Brass Herald Personality of the Year. He is a professor of trumpet and jazz trumpet at Virginia Commonwealth University and is a Yamaha Artist-in-residence at the Royal Northern College of Music.

Sorenson is associate professor and director of jazz studies at the University of Minnesota. He has composed and arranged for numerous ensembles including the Glenn Miller Orchestra, the Airmen of Note, the U.S. Air Force Band and the Minnesota Orchestra.

A Minnesota-based drummer, percussionist and educator, Stanoch has 30 years of professional experience performing, recording or touring with a variety of artists and genres.

Olson is associate professor of saxophone and director of jazz studies at Furman University.

For more information on the festival, visit [www.ndsu.edu/finearts/music/jazz\\_festival](http://www.ndsu.edu/finearts/music/jazz_festival).

## February Brown Bag seminars scheduled

Three Compass Program Foundation Brown Bag Seminars are scheduled for February. The sessions will be held in the Memorial Union and are free and open to the public. For more information, call 1-5225.

“V-day: A Global Movement to End Violence Against Women and Girls” is scheduled for Wednesday, Feb. 6, from noon to 1 p.m. in the Memorial Union Arikara room. Women behind the V-day movement at NDSU will discuss the local and global organizations they support and how others can get involved. They also will give a short performance to get attendees ready for The Vagina Monologues 2013. The presentation is co-sponsored by Compass Program Foundation and Women and Gender Studies.

“What Not to Wear: Professional Dress Edition,” is scheduled for Wednesday, Feb. 13, from noon to 1 p.m. in the Memorial Union Prairie Rose room. Jill Wilkey, NDSU Career Center director, and Sarah Hunter, career specialist, will discuss how to dress professionally for interviews and career fairs. They will share tips and tricks, and dos and don'ts for dressing professionally for both men and women on any budget. The presentation is co-sponsored by Compass Program Foundation and NDSU Career Center.

“Nyamal Dei: A personal journey from powerlessness to advocate of South Sudanese girls” is scheduled for Wednesday, Feb. 20, from noon to 1 p.m. in the Memorial Union Arikara room. Nyamal Dei was born in the South Sudan. The daughter of a revered soldier, Dei, like many children, witnessed the brutality of war. A victim of violence herself, she has dedicated her life to empowering South Sudanese girls in the United States. Inspired by a program in the South Sudan, Dei established a branch of the Miss Malika foundation in Fargo. Dei will share her story and the plight of South Sudanese women both here and in the South Sudan and how the Miss Malika event serves as a vehicle for education the advancement of women. The presentation is co-sponsored by Multicultural Programs and Compass Program Foundation.

## Farm management meeting set for Feb. 6 in Fargo

The Northwest Farm Managers Association will hold its 104th annual meeting for producers and others interested in agriculture Feb. 6 at the Holiday Inn in Fargo.

Presentations will focus on dynamic changes in agriculture, grain market outlook and pricing strategies, fertilizer outlook, 2013 crop year weather and farmland leasing arrangements.

Michael Hubert, Mosaic Co. northern Plains account manager, will provide a global phosphates and potash outlook. Mosaic is the world's leading producer of concentrated phosphate and potash crop nutrients.

William Wilson, University Distinguished Professor in NDSU's agribusiness and applied economics department, also will present. Wilson has researched and provided advice to numerous international companies and countries in the areas of grain marketing,

international trade and logistics. He has identified global fundamentals to 2020 and will describe forthcoming dynamic changes in agriculture.

Grain marketing and the weather are always of great interest to producers. Market analyst Jerry Gulke, president of the Gulke Group, will provide insight on old and new crop markets and global competition in his explanation of pricing strategies for corn, oilseeds and wheat.

Leon Osborne, University of North Dakota professor of atmospheric sciences, will give his latest crop weather outlook for 2013.

Dwight Aakre, NDSU Extension Service farm management specialist and co-author of materials on [www.aglease101.org](http://www.aglease101.org), will discuss whether flexible cash leases may work for your operation. Strong commodity prices and high production costs have made it more difficult for operators and landowners to successfully determine appropriate farmland lease arrangements.

Glen Ward, professional humorist and inspirational speaker from Columbia, S.C., will end the meeting.

The meeting is open to the public. Registration begins at 8 a.m. and the meeting at 9 a.m. The fee for attending is \$50, payable at the door. The fee includes a noon meal and breaks. For more information, call 1-7393.

## Study Abroad Fair to go online

NDSU students interested in studying abroad will soon have another option to learn about available programs. The Office of International Programs is hosting its first Virtual Study Abroad Fair.

The fair is scheduled for Thursday, Feb. 7, from 10 a.m. to 2 p.m. at [www.facebook.com/NDSUStudyAbroad](http://www.facebook.com/NDSUStudyAbroad). More information is available on the fair's event page and at [www.ndsu.edu/studyabroad](http://www.ndsu.edu/studyabroad). Interested students can learn more about study abroad programs ranging in duration from a full academic year or semester to a summer or short-term faculty-led program.

“We are basing it within Facebook because that's where students live online,” said Tanya Kramer, assistant director of study abroad in the Office of International Programs.

The fair's content will be similar to the fall and spring study abroad fairs typically held in the Memorial Union. Online presentations and live question-and-answer sessions will be held with NDSU faculty leaders, the international studies major adviser, financial aid advisers and study abroad program provider representatives. Students can peruse PowerPoint presentations, embedded videos and chat real-time with program representatives.

Kramer said returned study abroad students also will be available to explain their experiences and chat with interested students.

The virtual fair won't replace the on-site study abroad fairs, Kramer said. It will be used as another tool to provide information to students. She said it appears to be one of the first times such an event has been held in the country.

## Advanced Crop Advisers Workshop scheduled

The Advanced Crop Advisers Workshop is scheduled for Thursday and Friday, Feb. 7-8, at the Holiday Inn in Fargo.

The workshop is designed to provide in-depth discussion of selected topics for agricultural professionals to enhance their crop production recommendations for farmers.

The event is organized and conducted by the NDSU Extension Service and University of Minnesota Extension.

The slate of speakers includes regional and national experts discussing various subjects with an emphasis on soil, corn, soybean and nematode management.

Certified crop advisers will have the opportunity to receive 11 continuing education units.

A brochure that contains workshop details, including a preregistration form, is available at [www.ag.ndsu.edu/CarringtonREC](http://www.ag.ndsu.edu/CarringtonREC). Electronic registration and credit card payment can be made at [www.tinyurl.com/CRECstore](http://www.tinyurl.com/CRECstore).

For more information, contact Greg Endres at the NDSU Carrington Research Extension Center at 701-652-2951 or Phillip Glogoza, Minnesota Extension Service in Moorhead, at 218-236-2008.

## February colloquium to focus on 16th century Germany



Justitz

Ineke Justitz, associate professor of history, will present the history, philosophy, and religious studies department's February colloquium. Justitz will discuss her paper, "The Child that Died: The Intersection of Education, Medicine, Religion and Authority in Sixteenth-Century Naumburg, Germany." It is scheduled for Friday, Feb. 8, at 3 p.m. in Putnam Hall room 101.

In 1537, Nikolaus Krottenschmidt, city scribe of Naumburg, Germany, noted in his chronicle that a child was born with an anorectal malformation. Without medical intervention, the child was bound to die. Krottenschmidt stated that he, the city's medical doctor, and the Evangelical preacher discussed the course of action to take. He concluded his brief entry with the observation that the doctor refused to intervene because he did not want to "surpass" God in his works.

Based on Krottenschmidt's brief entry, Justitz's paper explores the intersection of education, medicine, religious reform and contested authority in 16th century Germany. While additional work is needed to arrive at valid conclusions, the paper suggests personal beliefs, rather than accepted religious teachings or medical insight, informed the decision-making process. At the same time, the paper shows the three men were members of overlapping and interconnected intellectual networks of scholars and university-educated professionals who counted themselves among the leaders in their respective communities.

Justitz earned her doctorate from the University of California, San Diego, in 1996. She joined NDSU in 1995 and teaches classes in the

history of western civilization, the Middle Ages, women in European history, and the Renaissance and Reformation. Her research focuses on the social-cultural history of 16th century Germany.

Special needs requests or questions can be directed to Dennis Cooley at [dennis.cooley@ndsu.edu](mailto:dennis.cooley@ndsu.edu) or 1-7038.

## 87th Little International scheduled

The 87th Little International Livestock Show, the largest student-sponsored event at NDSU, is scheduled for Feb. 8-9. The show features showmanship classes of horse, beef, dairy, sheep and swine, as well as contests for ham curing and public speaking.

Commonly known as "Little I," the 2013 event's theme is "Our Roots Run Deep." More than 300 students participate in the planning and organization of the event.

The Agriculturist of the Year is honored each year at Little I, and educator Lyle Warner was selected for the 2013 honor. Warner, who earned a master's degree in agricultural education at NDSU in 1981, has enjoyed a long career in agricultural education at Bismarck State College from 1982 until the present.

Warner served on the initial committee to develop articulation agreements and common course numbers that applied to all the campuses in North Dakota offering agricultural courses. At North Dakota State College of Science, he started and developed the curriculum for the agribusiness department. In addition, at Bismarck State College he chaired the agribusiness department for eight years and served as adviser of the Post-Secondary Agricultural Student organization.

Warner also helped develop the Perpetual Flock Program through the North Dakota Lamb and Wool Producers Association. The program gives qualifying young people 10 ewes to help them get started in the sheep business.

The queen of Little I will be senior Mandy Peine, an accounting major from Vermillion, Minn. Calli Lemm, an agricultural communications junior from Hillsboro, N.D., and Christine Wanner, an agricultural education senior from Wishek, N.D., were selected princesses.

Event highlights include the Hall of Fame social and banquet on Friday, Feb. 8, at the Ramada Plaza Suites, Fargo. The social begins at 5 p.m., with the banquet starting at 6 p.m. The \$25 tickets can be purchased by calling Megan at 1-7641.

The alumni luncheon is scheduled for Saturday, Feb. 9, at 12:30 p.m. in the atrium of Loftsgard Hall, and the annual Dance in the Chips is set for later that day at 11 p.m. in Sheppard Arena.

For a complete schedule of events during Little I, visit [www.ag.ndsu.edu/academics/87th-little-international](http://www.ag.ndsu.edu/academics/87th-little-international).

## NDSU to celebrate International Writing Centers Week

NDSU will recognize International Writing Centers Week Monday, Feb. 11, through Friday, Feb. 16. The annual event organized by the International Writing Centers Association serves as a chance for writing center staff to celebrate writing. The week has been designated internationally for seven years.

### International Writing Centers Week events at NDSU:

- Monday, Feb. 11, 2:30 p.m. to 4 p.m. – “Secrets to Success: Award-Winning Faculty Authors,” Family Life Center room 413B

Join award-winning NDSU authors for a panel discussion about the academic publication process. Bring your questions and hear answers from panelists Ganesh Bora, assistant professor of agricultural and biosystems engineering; Kimberly Vonnahme, associate professor of animal sciences; Anna Grazul-Bilksa, professor of animal sciences; Herbert Snyder, professor of accounting; and Michele Reid, dean of libraries. Registration is required. To sign up, go to [www.ndsu.edu/cfwriters/workshops](http://www.ndsu.edu/cfwriters/workshops).

- Tuesday, Feb. 12, 10 a.m. to 2 p.m. – “Fun With Word Games,” Main Library lobby

Join the NDSU Center for Writers staff for word games, candy and other treats.

- Wednesday, Feb. 13, 7 p.m. – “Freedom Writers,” Memorial Union Century Theater

The Center for Writers and Campus Attractions invite you to watch “Freedom Writers,” a film starring Hilary Swank as a young teacher who inspires students through writing.

- Thursday, Feb. 14, 10 a.m. to 2 p.m. – “Valentines for Veterans,” Memorial Union lobby

Join the Center for Writers, NDSU ROTC Battalion, NDSU Military and Veterans Services and the NDSU Bookstore in making valentines to thank veterans from NDSU and the surrounding area for their service. Stop by the contact table in the Memorial Union to personalize a valentine that will be hand delivered to a local veteran.

- Friday, Feb. 15, 9 a.m. to 2 p.m. – “Tip Jar Prize Drawing,” Main Library Center for Writers room 6

Come to the Center for Writers to pick up a quick writing tip from the “Tip Jar.” Then enter your name for a prize drawing. The winner will receive two tickets to “9 to 5: The Musical,” courtesy of the NDSU Division of Fine Arts.

The NDSU celebration of International Writing Centers Week is supported by the Center for Writers, Campus Attractions, Division of Fine Arts, NDSU Bookstore, NDSU Libraries, NDSU ROTC Battalion, and Military and Veterans Services.

For more information International Writing Centers Week, visit <http://writingcenters.org>.

## ‘Battle of the Cents-es’ scheduled

The third annual “Battle of the Cents-es” is set to begin. The fundraising competition, which pits the College of Pharmacy, Nursing, and Allied Sciences Ambassadors against the College of Engineering and Architecture Ambassadors, is scheduled for Feb. 11-15.

The student groups will host a table to collect donations in the Memorial Union during the week from 10 a.m. to 2 p.m. daily.

In the previous competitions, each organization chose a charity for which their funds would be donated. This year, both groups will contribute the money raised to the fundraising campaign for NDSU student Hannah Linz, who is a senior guard for the Bison women’s basketball team. Linz experienced a recurrence of Hodgkin’s lymphoma, and has begun treatment for the cancer.

In the competition, all change counts positively towards the group’s total. Paper bills are subtracted from the group’s competition total. All donations are welcome.

“The Battle of the Cents-es is a great way to introduce friendly competition between two amazing colleges and help out a community cause,” said Victoria Hammond, a second-year professional pharmacy student from Foley, Minn., and president of the Pharmacy, Nursing, and Allied Sciences Ambassadors. “The event assists the students of both of our colleges to interact and build relationships with students we usually do not see while raising money. We hope everyone on the campus can join in on the fun banter and fundraising at our table in the Union.”

This is a great opportunity for both of our organizations to get know one another while creating some healthy competition. Each team has won once, so this year will be the tie breaker,” said Cassandra Almen, a senior majoring in electrical engineering from Little Falls, Minn., who is president of the Engineering and Architecture Ambassadors. “No matter who wins the competition, we are happy we were able to support Hannah in her fight against cancer.”

Last year, the Engineering and Architecture Ambassadors raised \$755.11 that went to 116 faculty and staff members at Minot State University who were directly impacted by the Minot area flood. The Pharmacy, Nursing, and Allied Sciences Ambassadors raised \$695.95 for Cully’s Kids.

## FORWARD announces upcoming events

### Climate and Gender Equity Research Grant recipients to present at pedagogical luncheon

Faculty members are invited to a FORWARD sponsored pedagogical luncheon Tuesday, Feb. 12, from 11:30 a.m. to 1 p.m. in the Memorial Union Great Room. A research team consisting of Jennifer Momsen, assistant professor of biological sciences; Erika Offerdahl, assistant professor of chemistry and biochemistry; Mila Kryjevskaja, assistant professor of physics; Warren Christensen, assistant professor of physics; and Lisa Montplaisir, assistant professor of biological sciences, was awarded a Climate and Gender Equity Research Grant in 2011-12 and will share their research findings. The team will present “Stereotyped: The myth of simple classroom fixes.”

During the luncheon, the team will explore stereotype threat, including ways in which faculty activate and ameliorate stereotype

threat in the undergraduate classrooms. Using evidence from NDSU and across the nation, the team investigated the complexities of assessing student learning in light of readily activated stereotype threat. Registration for the luncheon can be completed on the NDSU Advance FORWARD website at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

The application deadline for the 2013-14 Climate and Gender Equity Research Grant is Thursday, March 28. The grants are competitive research grants and awarded to interdisciplinary research teams whose work addresses issues of gender in the academy. The goals are to develop interdisciplinary research teams, engage faculty members in research on gender and demonstrate the value of research on gender to a gendered institution. For information regarding the grant application process please visit the FORWARD website at [www.ndsu.edu/forward/funding\\_opportunities](http://www.ndsu.edu/forward/funding_opportunities).

Questions about pedagogical luncheons can be directed to Don Schwert at [donald.schwert@ndsu.edu](mailto:donald.schwert@ndsu.edu) or 1-7496. Questions pertaining to the Climate and Gender Equity Research Grant can be directed to Canan Bilen-Green, FORWARD director, at [canan.bilen.green@ndsu.edu](mailto:canan.bilen.green@ndsu.edu) or 1-7040.

#### Promotion to professor luncheon scheduled

The FORWARD project is sponsoring a promotion to professor luncheon on Thursday, Feb. 14, from 11:30 a.m. to 1 p.m. in the Memorial Union Room of Nations. Registration is requested and can be completed on the FORWARD website at <http://www.ndsu.edu/forward>.

A panel of College Promotion, Tenure and Evaluation Committee members will discuss the promotion to full professor process and share tips on preparing an application. Panelists include Malcolm Butler, biological sciences; Don Faulkner, architecture and landscape architecture; Jeffrey Clark, sociology and anthropology; and Marion Harris, entomology. Donna Terbizan, health, nutrition and exercise sciences, will facilitate the panel discussion.

#### Power of Dead Even Rule workshop offered

FORWARD will sponsor the Power of Dead Even Rule workshop for women faculty on Tuesday, Feb. 19, from 11:30 a.m. to 1:30 p.m. in the Memorial Union's Meadow Lark room. Lunch will be provided.

The workshop will include information on understanding why men and women behave and communicate differently, the internal "rules" women and men use to define appropriate adult behavior, and how to improve workplace communication between men and women. Marie Hvidsten, rural leadership specialist and Rural Leadership North Dakota Program director with NDSU Extension Service, will present the workshop.

Registration for the workshop can be completed on the FORWARD website at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

## Theatre NDSU to present "9 to 5: The Musical"

Theatre NDSU's 2012-13 season continues with its presentation of "9 to 5: The Musical," a musical version of the 1980 movie "Nine to Five."

The production runs Feb. 21-24 in in Festival Concert Hall. Show times are 7:30 p.m. Thursday-Saturday and 2 p.m. on Sunday.

The musical version of the popular movie is a hilarious story of friendship and revenge in the Rolodex era. Three unlikely friends conspire to take control of their company and discover there is nothing they can't do—even in a man's world.

For tickets and more information, visit [www.ndsu.edu/finearts](http://www.ndsu.edu/finearts).

## NDSU Valentine Ball scheduled for Feb. 23

NDSU Staff Senate is sponsoring the annual Valentine Ball scheduled for Saturday, Feb. 23, from 7:30 p.m. to midnight in the Memorial Union Great Plains Ballroom. Students, staff, faculty and alumni are invited to this festive evening of socializing, dining and dancing.

DJ Nola, Corey Mack with Platinum Mixing Productions, will provide a variety of music, including big band era selections and recorded music requests. Attendees also can participate in free dance lessons provided by the NDSU Ballroom Dance Club instructed by Donald Miller. The event also will feature dancing exhibitions, beverages, hors d'oeuvres and desserts.

Tickets will be sold in advance for \$10 per person for staff, faculty and alumni and \$5 per person for students. All profits will be donated to the Staff Senate Student Scholarship Fund. Tickets will be available for purchase from Staff Senators and Valentine Ball Committee members. Tickets also will be available Feb. 12 through Feb. 22 at a Memorial Union contact table and in the Student Government office.

If you are interested in helping plan the event, contact Vicki Miller at [victoria.miller@ndsu.edu](mailto:victoria.miller@ndsu.edu) or 1-9447.

## Alumni to be honored at awards luncheon

Outstanding NDSU alumni have been selected to receive prestigious NDSU Alumni Association honors for 2013. Mike Krueger, chair of the Awards Selection Committee, announced the list of recipients Jan. 14. The annual Alumni Awards Luncheon is scheduled for Thursday, April 18, at 11:30 a.m. at the Fargodome.

The Achievement Award, which recognizes individuals who have achieved distinction in their professional fields, goes to Terry Hanson, BS '68, mathematics, MS '70, education administration, and Gloria (Mostad) Stables, BS '77, food and nutrition.

Hanson cofounded ULTA, Salon, Cosmetics and Fragrances Inc. in 1990. He also launched Ulta.com in 2001. He is the retired chairman, CEO, president and board member of the beauty chain that has more than 550 stores. After retiring from ULTA's active management in 2002, he continued to serve on the board of directors until 2008. Hanson also is past president of American Drugstores, who operated stores under the banners of Osco Drug and Sav-on Drug.

Stables is a partner with Catalyst Health Concepts of Potomac, Md., a company that offers scientific writing, strategic planning, research and evaluation services for health promotion, nutrition, education and social services programs. From 1995 to 2001, Stables



was the national program director of the “5 a Day For Better Health Program,” which encourages five servings of fruits and vegetables daily. A registered and licensed dietitian, she is a retired captain in the U.S. Public Health Services Commissioned Corps.

Steven Kunkel, BS '73, biological sciences, MS '75, bacteriology and biochemistry, was selected to receive the Henry L. Bolley Academic Achievement Award, which honors an individual who has attained noted achievements in the area of education as a teacher, researcher or administrator. Kunkel is a professor at the University of Michigan Medical School.

The Horizon Award honoree is Amanda Smock, BS '05, human performance and fitness. She was a triple jumper who was a member of the 2012 U.S. Olympic team. She won triple jump events at the United States Outdoor Championships in 2011 and 2012 and at the Indoor Championships in 2011. The Horizon Award honors

individuals who have graduated within the past 15 years and have distinguished themselves in their professional fields or service to their community.

Sylvan Melroe, BS '57, agricultural education, was selected to receive the Heritage Award for Alumni Service. Melroe was recognized for his active involvement with NDSU, including the Alumni Association board of directors and NDSU Team Makers. He assisted with numerous fundraising campaigns, including the Ellig Outdoor Track, indoor track, Festival Concert Hall and the Sigma Alpha Epsilon house. He also served on the College of Human Development and Education board of visitors, College of Engineering and Architecture advisory board and College of Business advisory board.

For additional information, contact Jakelle Cornell at [jakelle@ndsualumni.com](mailto:jakelle@ndsualumni.com), 1-6804 or 800-279-8971.

## POSITIONS AVAILABLE

### 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 website at [www.ndsu.edu/jobs](http://www.ndsu.edu/jobs).

### High Performance Computing Systems Administrator (two positions)

Center for Computationally Assisted Science and Technology  
Commensurate with Experience  
Open Until Filled

### Help Desk Consultant

Information Technology Services  
\$40,000/year  
Open until filled

### System Administrator (two positions)

Enterprise Computing and Infrastructure  
Commensurate with experience  
Open until filled

### Hall Director

Residence Life  
\$31,500+/year  
Feb. 1

### Food Technologist Technician - Plant Science

Agricultural Experiment Station  
Plant Science  
Commensurate on experience  
Feb. 11

### Director, Division of Student Affairs Assessment

Student Wellness  
\$70,000+/year  
Feb. 27

### Coordinator, Athletic Academics

Orientation and Student Success  
\$32,000+/year  
Feb. 8

### Associate Director Athletic Academics

Orientation and Student Success  
\$45,000+/year  
Feb. 8

### Systems Mechanic

Facilities Management  
\$40,000+/year  
Open until filled

### Baker

Dining Services  
\$11.50+/hour  
Open until filled

### Lead Caterer

Dining Services  
\$10.50+/hour  
Open until filled

### Irrigation Technician

Facilities Management  
\$24,000+/year  
Feb. 4

## MORE CAMPUS EVENTS [www.ndsu.edu/eventcalendar](http://www.ndsu.edu/eventcalendar)

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**NDSU**