

# NDSU

VOLUME 2 ISSUE 15

IT'S HAPPENING AT STATE

APRIL 14 2010

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

## NDSU listed in several top 50 national research rankings

NDSU is listed among the top 50 research universities in several National Science Foundation research categories for fiscal year 2008, the latest year national statistics are available. When ranked by research and development expenditures among 554 research universities without a medical school, NDSU ranks 39th nationally in the foundation's survey.

When total research expenditures across all institutions are compared, NDSU ranks 122nd out of 679 institutions included in the National Science Foundation Survey of Research and Development Expenditures. The survey offers a snapshot of how NDSU compares among U.S. research universities and colleges included in the survey. NDSU's total research expenditures were \$115.5 million for fiscal year 2008. For fiscal year 2009, NDSU reported an estimated \$114.2 million in research activities for the next foundation survey.

Among the research categories in the Survey of Research and Development Expenditures, NDSU ranks as follows for fiscal year 2008:

- In the field of agricultural sciences, NDSU ranks 26th in total research expenditures among universities and colleges.

- When ranked by total research expenditures in social sciences, NDSU ranks 40th among research universities.

- In the field of physical sciences, NDSU ranks 53rd in total research expenditures at colleges and universities. In the rankings, the physical sciences category includes astronomy, chemistry, physics, materials sciences and other sciences not classified elsewhere.

- In the field of chemistry, NDSU ranks 90th in total research expenditures among the top 100 universities and colleges in this category.

"The National Science Foundation survey shows sustained research excellence at NDSU. Our faculty, staff and students continue to excel in areas of innovative and technology-driven research," said Philip Boudjouk, vice president for research, creative activities and technology transfer at NDSU. "The continued overall national ranking illustrates the exceptional work by faculty, staff and students in a very competitive research environment."

The majority of NDSU research funding comes from multi-year federal research contracts and competitive grant awards. Additional research funding comes through awards, grants and contracts from state and business funding sources.

## Black and Affolter elected NDSU student leaders

Kevin Black and Shawn Affolter were elected NDSU student body president and vice president during student voting April 6-7. They ran on a campaign platform of "Academics, Community and Engagement."

Black and Affolter received 1,164 votes, while the ticket of Ripon Roy Chowdhury and Judi Novotny garnered 617 votes and the slate of Justin Sherlock and Robert Vallie received 438 votes.

Black is a senior in industrial engineering and management from Grand Forks, N.D. He has served as vice chair of the NDSU Student Senate and is a member of Blue Key National Honor Society and Bison Ambassadors. He is active in the North Dakota Student

Association and State Board of Higher Education Academic Affairs Council. He is the son of Ken and Bonnie Black of Grand Forks.

Affolter is a senior majoring in economics and political science. From Mandan, N.D., he has been active in student government for three years. He has participated in North Dakota Student Association, North Dakota Governor's Youth Council, Blue Key National Honor Society and Students Today Leaders Forever. He is the son of Dean and Alvina Affolter of Mandan.

A total of 2,248 votes were cast in the election, representing 16.6 percent of eligible students.

**NDSU** [www.ndsu.edu/itshappening](http://www.ndsu.edu/itshappening)

### **Lawnmower and snow blower clinic set for April 26**

A lawnmower and snow blower clinic is set for 4 p.m. in the Agricultural and Biosystems Engineering building. Cost is \$30 or \$40 with delivery service. To make an appointment, call 1-7261.

### **Lahlum colloquium postponed**

The Department of History, Philosophy and Religious Studies Colloquium has been rescheduled for Thursday, April 22, at 3 p.m. at the Fargo Sons of Norway.

### **NDSU Spring Cleanup set**

The NDSU Spring Cleanup is planned for Tuesday, April 20, from 1 p.m. to 4 p.m. Participants should report to Dakota Plaza between 1 p.m. and 2 p.m. for assignments or assistance.

### **Transition updates available**

For information about the transition to NDSU's 14th president, go to [www.ndsu/news/transition](http://www.ndsu/news/transition).

## NDSU students are given a unique classroom challenge

Students from the NDSU Department of Cereal and Food Sciences are working to develop a new food product and have been given a unique challenge this semester.

“The caveat is that the students must use 10 of the top commodities grown in North Dakota as their product,” says Deland Myers, professor and director of the NDSU School of Food Systems. “This will give students a better appreciation of the commodities grown in the state.”

Myers teaches the course with Clifford Hall, associate professor in the Department of Cereal and Food Sciences. The capstone course challenges the students to integrate what they have learned in other courses to develop a product.

“For example, they will integrate food chemistry, microbiology, engineering, nutrition, statistics, communications, computer applications and sensory evaluations,” Myers says. To use all of these skills, the students must develop a product from conception to finished product including packaging and labeling. Throughout the process, students also must be team leaders at some point. Each four-member team has a code name and wants to keep their ingredients and recipe secret, just as any real-life company would.

Team Marathon is developing a sandwich-type product using sunbutter instead of peanut butter.

“Our target market is those who can’t eat peanuts,” says Claudia Carter, Team Marathon leader. “Instead of using peanut butter, we are using sunbutter, which is made out of sunflowers. However, we are adding some ingredients to somewhat change the sunbutter’s taste.”

During the semester, a group of panelists is brought in several times to taste the products and offer suggestions. They look at appearance, flavor, texture and overall acceptability. “Through this process, the students will be able to learn what is good or bad about their product. We are even bringing in a group of 23 elementary school children to do a taste test,” Myers said.

## Applications sought for GraSUS-II fellows

Applications are being accepted for the 2010-11 GraSUS-II fellows. Recipients work with science and math teachers and students in area middle and high schools. Graduate and undergraduate students from any Science, Technology, Engineering and Mathematics (STEM) field are encouraged to apply. Consideration also will be given to students pursuing education degrees in science, math and related fields. Stipends are provided to both graduate and undergraduate fellows. Graduate fellows receive full tuition waivers.

Applications are available at [www.ndsu.edu/grasus](http://www.ndsu.edu/grasus) or from the Center for Science and Mathematics Education, FLC room 314. The submission deadline is April 21.

Contact Kim McVicar at 1-7336 or [kim.mcvicar@ndsu.edu](mailto:kim.mcvicar@ndsu.edu) or Doğan Çomez at 1-7490 or [dogan.comez@ndsu.edu](mailto:dogan.comez@ndsu.edu) for more information.

## RESEARCH

### Greenlee receives major national grant



Greenlee

A major national grant received by an NDSU biology researcher will help develop ways to effectively control insects and will bolster research opportunities for students to encourage careers in science. Kendra Greenlee, assistant professor of biology, has received a Faculty Early Career Development award (CAREER) from the National Science Foundation. Greenlee will receive a five-year, \$800,000 award from the foundation to conduct research outlined in her proposal, “Ontogenetic Changes in Tracheal System Structure and Function in Larval Insects.” The grant is the largest of this type of CAREER award received by an NDSU faculty member in the past 14 years.

The grant also provides for significant research opportunities for undergraduate students and further educational outreach. Four NDSU undergraduates will participate in Greenlee’s research program. Students involved in NDSU’s Research to Improve Diversity and Education program also will spend two summers conducting related research in NDSU labs. The program includes students from Mississippi Valley State University, Itta Bena, Miss., and will be expanded to include students from Northern Arizona University, Flagstaff, through the efforts of the NDSU Office of Equity, Diversity, and Global Outreach.

A faculty member from Mississippi Valley State University will participate in research in Greenlee’s lab and Greenlee will provide a research seminar at Mississippi Valley. A major goal of the outreach education plan is to increase the presence of under-represented students in science careers. The grant also will fund collaborations between NDSU, Argonne National Laboratory, the U. S. Department of Agriculture and the Leloir Institute Foundation, Buenos Aires, Argentina.

“Kendra is the first faculty member in biological sciences at NDSU to receive a CAREER award,” commented Will Bleier, chair of biological sciences. “This honor is testament to Kendra’s research abilities, creativity, work ethic and diligence. Research startup funds from the department, College of Science and Mathematics, and the North Dakota Experimental Program to Stimulate Competitive Research have also been critical to Kendra’s success,” said Bleier.

Since 1996, 15 faculty members at NDSU have received prestigious National Science Foundation CAREER awards. “National Science Foundation CAREER awards to NDSU faculty reflect the institution’s ability to attract the best and the brightest among new faculty researchers,” said Philip Boudjouk, vice president for research, creative activities and technology transfer.

Overall, National Science Foundation CAREER awardees at NDSU have received more than \$5.7 million in grants to conduct research in biology, chemistry, civil and electrical engineering, pharmaceutical sciences and coatings and polymeric materials.

## Helstern publishes article on contemporary poet



Helstern

An essay by Linda Helstern, associate professor of English, will appear in the first critical collection devoted to Jim Barnes, a contemporary poet and translator. "The Land Behind the Landscape: Postcards from Jim Barnes," which appears in "The Salt Companion to Jim Barnes" edited by A. Robert Lee, discusses how Barnes speaks to his Choctaw identity through the innovative use of poetic form.

Barnes, an Oklahoma poet laureate, has published eight volumes of original poetry and a mixed genre autobiography, as well as translations of 20th century German poetry. A professor of comparative literature and writer-in-residence at Truman State University for more than two decades, he is the founding editor of the Chariton Review.

## Accounting faculty publish paper



Olsen

Lori Olsen, assistant professor of accounting, and Peggy Anderson, associate professor of accounting, will present a paper at the Allied Academies Spring 2010 International Conference in New Orleans, April 14-17.

They will present "Corporate Social and Financial Performance: a Canonical Correlation Analysis" in the Internet Division, which allows them to receive comments from participants not attending the conference in person. The intent is to save universities the cost of travel to the conference.

The paper also was accepted for publication in the Academy of Accounting and Financial Studies Journal.

Olsen and Anderson also won a Distinguished Research Award because the paper was in the top quartile of the approximately 200 papers submitted.

## NDSU faculty showcase work



Offerdahl

Faculty and staff from the College of Human Development and Education have had many publications, presentations and honors.

"Exploratory Comparison of the Views of the Nature of Science of Natural Science and Non-Science Majors," an article by Marie Miller, graduate student; Lisa Montplaisir, assistant professor of biological sciences; Erika Offerdahl, assistant professor of chemistry and molecular biology; FuChih Cheng, graduate student; and Gerald Ketterling, assistant professor in the School of Education, will appear in the spring issue of Life Science Journal, an electronic journal.



Montplaisir



Ketterling



Randall



Liguori



Hodge



Tande



Magel



Strand



Pankow

The Council for Interior Design Accreditation has invited the NDSU Interior Design Program to share their Program Analysis Report and Student Work Display information at the national Interior Design Educator's Council Conference in March. Site visitors identified the Program Analysis Report as being clear, concise and well organized. The report and materials related to the student work display will be displayed in the Council for Interior Design Accreditation's 2010 workshop on March 24 in Atlanta.

Brandy A. Randall, assistant professor of human development and family science, has been selected to serve as editor for The Society for Research on Adolescence Newsletter for a three-year term. She will lead the newsletter's transition from a biannual print publication to an online publication with more frequent updates. The newsletter will include feature articles that were established in the print newsletter. A number of new elements will be added that capitalize on the Web-based format. New items include blogs, a teaching resource corner, podcasts and science updates.

Gary Liguori, assistant professor of health, nutrition and exercise science, was elected chair of the American College of Sports Medicine Certification Committee for the Health Fitness Specialist certification. This is a national committee responsible for developing the job tasks for Health Fitness Specialist, which then drives certification exam and determines academic curriculum. Liguori will serve July 2010 through June 2012. He recently was elected North Dakota representative to the Northland American College of Sports Medicine board.

Angie Hodge, assistant professor of mathematics, participated in the 2010 Joint Mathematics Meetings in San Francisco. She co-organized a "Mathematical Association of America Session on Preparing K-12 Teachers to Teach Algebra." She also described her research with NDSU mathematics major Ryan Hiltner in an invited talk in the Mathematical Association of America's session, titled "Research on the Teaching and Learning of Undergraduate Mathematics."

"Healthy Eating Index and Abdominal Obesity," an article by Desiree L. Tande, Extension specialist; Rhonda Magel, professor and chair of the statistics department; and Bradford N. Strand, professor of health, nutrition and exercise science, will appear in Public Health Nutrition.

"Healthy, Wealthy and Whys," a packaged program developed by Debra Pankow, NDSU Extension specialist and associate professor of human development and family science, and Jane Edwards, was chosen as a 2009 regional winner by the Conservation Director for Family Campers and RVers as best program (project) with a conservation theme for the year 2008.

## Nanotech director's research may improve solar cells



Hobbie

A research discovery by Erik Hobbie, director of the NDSU Materials and Nanotechnology Program, may one day improve solar cells. Hobbie and a team of researchers at the National Institute of Standards and Technology and NDSU took a closer look at a promising nanotube coating. Scientists discovered coatings made of single-walled carbon nanotubes have problems that must be addressed before their full potential is realized.

"The irony of these nanotube coatings is that they can change when they bend," says Hobbie. "Under modest strains, these films can develop irreversible changes in nanotube arrangement that reduce their conductivity. Our work is the first to suggest this, and it opens up new approaches to engineering the films in ways that minimize these effects."

The solar power industry has long sought a cheap, flexible, transparent coating that can conduct electricity. If a single material can provide such properties, solar cells might become more cost-effective and potentially be used in materials such as clothing. According to Hobbie, transparent conductive coatings can be made of indium-tin oxide, but they are rigid and expensive.

Hobbie and other scientists view carbon nanotubes as one possible solution. Nanotubes can be formed into transparent conductive coatings that are strong yet deformable like paper or fabric. Research conducted by Hobbie and his team, however, found that something akin to microscopic wrinkles can disrupt the random arrangement of nanotubes, and alter the coating's ability to conduct electricity.

The research team is investigating ways to address the problem. According to Hobbie, films could be made thin enough to avoid wrinkling or a second interpenetrating polymer network might solve the problem. "These approaches might allow us to make coatings of nanotubes that could withstand large strains while retaining the traits we want," says Hobbie.

Results from the study are published in the article, "Wrinkling and Strain Softening in Single-Wall Carbon Nanotube Membranes," which appeared in *Physical Review Letters*.

Hobbie is a physics professor in the Department of Coatings and Polymeric Materials at NDSU. He also is director of NDSU's Materials and Nanotechnology Graduate Program offering students a unique opportunity to participate in interdisciplinary research. It is the only program of its kind in North Dakota. NDSU faculty from chemistry, civil engineering, coatings and polymeric materials, mechanical engineering, physics, engineering and architecture contribute to the Materials and Nanotechnology Program. Researchers in the program also collaborate with NDSU's Center for Nanoscale Science and Engineering. Hobbie previously was a senior scientist at the National Institute of Standards and Technology. He earned a doctorate in physics from the University of Minnesota.

## PEOPLE

### Faculty and students participate in international snow symposium



Pictured from left to right: David Swenson, Stevie Famulari, Chris Reisz and Kris Mills.

Several NDSU faculty and students traveled to Winnipeg, Canada, in February to "play" in the snow.

For the second year in a row, Stevie Famulari, assistant professor of landscape architecture, David Swenson, associate professor of visual arts, and artists Kris Mills and Chris Reisz from New Mexico participated as Team USA in the annual International Snow Sculpting Symposium, Feb. 9-13. The artists carved 12-foot square blocks of snow into a design titled "Time Arches On" for the event, which is part of the Festival du Voyageur, western Canada's largest winter festival.

Last semester, 97 students from visual arts, landscape architecture and architecture formed 27 interdisciplinary teams, each developing a design to enter in competition for a spot in the snow symposium alongside Team USA.

"Vitality," a project by landscape architecture student Ryan Hullested and architecture students Alisha Osten and Michael Dawson, was named the winner by the judges from Canada and each participating NDSU department.

"The students did a great job in Canada, working along professionals of their field. We could not be more proud of them," Famulari said. "They worked on a great design and carried themselves with respect for their school."

Second and third place teams also were invited to compete in a separate snow sculpting competition Feb. 9-13 in Winnipeg. Competitors carved smaller eight-foot square blocks, and the first place award would be a guaranteed spot in the 2011 Festival Du Voyageur's Snow Symposium.

Robert Arlt, visual arts and architecture student; Joshua Zeis, visual arts student; Zach Johnson, landscape architecture student; and Daniel Davey, architecture student, created "On and Thru." Landscape architecture student Ashley Kaisershot and architecture students John Huebsch, Nick Lippert and Kirsten Staloch created "Changing Perceptions."

The 2009-10 Instructional Grant for Interdisciplinary Work received by Famulari, Swenson and David Crutchfield, assistant professor of architecture, provided funding for this project. NDSU students and faculty have already begun plans for the

2011 competition. "We look forward to a continued relationship with the Festival Du Voyageur and know the experience has been positive for all students across the fields," Famulari said. "One student said to me that it has been the best week of his life and everyone has been great. Moments like those make the success of the projects clear."

Students and faculty will show documentary films, presentations and photographs of their projects at a reception open to the public on Wednesday, April 21, from 4 p.m. to 6 p.m. at Renaissance Hall in the fifth floor gallery.

## Navarro takes bronze medal in culinary competition



Navarro

Judy Navarro, assistant manager of production for Union dining operations, won a bronze medal at the National Association of College and University Food Services annual Culinary Challenge Cooking Competition on March 2 at Colorado State University, Fort Collins, Colo. She prepared stuffed Portobello mushrooms for her first culinary competition.

An American Culinary Federation-sanctioned competition, this year's mandatory ingredient was fresh Portobello mushrooms. Contestants had 75 minutes to create four portions of an original hot entrée. The entrée, side dishes and sauces were required to be nutritionally balanced. Each competitor also had to demonstrate knife skills.

Navarro joined NDSU in 1999 bringing with her 20 years of experience in the food service industry. She oversees production for a dining center, catering department and 11 retail operations. She previously was a chef in a large corporate dining operation, which exposed her to a wide variety of food styles. She also worked in a restaurant setting, which helped her bring new and exciting ideas to the campus.

## Schoch receives annual Steinhaus-Rhinehart Scholarship

Amanda Schoch is the recipient of the Steinhaus-Rhinehart Scholarship of \$670. She is majoring in crop and weed science.

The endowment provides scholarship assistance to students entering their senior year in either the College of Science and Mathematics or the College of Agriculture, Food Systems, and Natural Resources, majoring in a biological science (animal and range science, biochemistry, biological sciences, biotechnology, botany, crop and weed sciences, horticulture, microbiology or zoology), and who plan to do research and attend graduate school in the area of biological science.

Mrs. Mabry C. Steinhaus established the endowment in honor of her husband, Edward A. Steinhaus, and his parents Alice Rhinehart and Arthur A. Steinhaus.

## Kauffman receives promotion



Kauffman

Alicia Kauffman has been named associate director for the Office of International Programs in the Division of Equity, Diversity, and Global Outreach. She will coordinate policies and procedures pertaining to student issues, oversee admission and orientation services, direct immigration services provided to international students and coordinate study abroad advising and programming.

Kauffman is a native of Sacred Heart, Minn., and earned a bachelor's degree in German and international relations from Concordia College. Before becoming associate director, she was the senior international student adviser in the Office of International Programs where she has worked for almost eight years. Kauffman is pursuing a master's degree in sociology at NDSU.

### EVENTS

## Red River Conference on World Literature scheduled

The 13th annual Red River Conference on World Literature will meet April 16-17 at the NDSU Alumni Center. Aaron Poochigian, poet, scholar and translator will give the keynote address on Friday, April 16, at 4:30 p.m. in the Alumni Center's Reimers room. The keynote address is free and open to the public.

Poochigian's address, "Translating from Translationese," will consider the stages inherent in the translation process, English idiom and interpretive choices the translator must make. He is originally from North Dakota and is a graduate of Minnesota State University Moorhead and the University of Minnesota where he earned a doctorate. He now lives in New York.

Cecilia Maffla-Bustamante, professor of Spanish at MSUM, and NDSU students will present scenes from Richard Wilbur's famous translation of "The Misanthrope" by Moliere, directed by Paul Lifton, associate professor of theatre arts at NDSU, who also will be featured at the conference.

This year's theme is "Translations: Passage to World Literature." A number of visiting scholars from around the world will present papers on Friday and Saturday.

The annual conference is sponsored by the NDSU English and Modern Language Departments under the direction of Carlos Hawley. For more information, call 1-8848.

## NDSU Bookstore at Cityscapes plans grand opening

The NDSU Bookstore at Cityscapes will celebrate its grand opening April 19-23.

On Monday, customers can buy a large coffee or cappuccino for the price of a small. On Tuesday, customers will receive a free NDSU metal bookmark with every purchase. On Wednesday, customers can buy one book and get 50 percent off the second book of equal or lesser value.

An open house is planned for Thursday from 10 a.m. to 4 p.m. The first 50 customers will receive free T-shirts (compliments of CI Sport). Customers also can meet Paige, the store's Espresso Book Machine. A demonstration is planned from 1 p.m. to 3 p.m. Customers can register to win Oakley Sunglasses (compliments of Pepsi), a set of six autographed David Sedaris books and books by Elizabeth Berg, Kent Meyers and Kate Ledger.

To get to the NDSU Bookstore at Cityscapes, take the Route 13B bus at the Memorial Union stop, get off at Renaissance Hall, walk north and turn right on 1st Avenue North. The store's address is 630 1st Ave N., Suite C.

For more information, go to [www.ndsubookstore.com](http://www.ndsubookstore.com). Become a fan on Facebook at [www.facebook.com/ndsubookstore](http://www.facebook.com/ndsubookstore).

## NDSU to celebrate Earth Day, Shakespeare's birthday

The Department of English has organized a new spring event, "Recycling Shakespeare, an Earth Day Birthday Celebration!" from April 21-23. Events are free and open to the public.

"We wanted an opportunity to talk about how nonpolluting creative energy is generated and to show the breadth of everyday concerns that literature addresses," said Linda Helstern, associate professor of English and coordinator of the event. "We thought the celebration of Earth Day on April 22 followed by Shakespeare's birthday the next day gave us the perfect opportunity. Shakespeare is so much a part of contemporary pop culture."

### Wednesday, April 21

The celebration will kick off with a free movie, "Hamlet," starring Ethan Hawke, at 7 p.m. in the Memorial Union Century Theater. A film discussion with English professors Verena Theile, Miriam Mara and Eunice Johnston will follow.

### Thursday, April 22

A Cosgrove Seminar "Thinking Ecocritically" is scheduled for 9:30 a.m. to 10:45 a.m. Presenters from English 336 (Literature and the Environment) and professor Linda Helstern will apply four ecocritical strategies to John Steinbeck's novel, "To a God Unknown," a reworking of the biblical story of Joseph and his brothers. Refreshments will be served.

Everyone who can recite a Shakespeare sonnet from memory is invited to attend "Brush Up Your Sonnets" from 11:30 a.m. to 1:30 p.m. in the Memorial Union Gallery. Participants will be entered in a drawing for prizes including gift certificates to

the NDSU Bookstore, Sandella's, Jimmy John's, Jitters and the Memorial Union Gallery. Professor Muriel Brown will decide who will be eligible for the drawing.

Author Lin Enger, director of the creative writing program at Minnesota State University Moorhead, will give the keynote talk at 2 p.m. in the Alumni Center Atrium. Enger's most recent novel, "Undiscovered Country," re-imagines Shakespeare's "Hamlet" in contemporary small-town Minnesota. Shakespeare birthday cake and a book signing will follow. Enger's novel will be available for purchase courtesy of the NDSU Bookstore.

Members of the Shakespeare class taught by Theile will present "Scenes from Shakespeare," from 3:30 p.m. to 6 p.m. in the Alumni Center Atrium. The event also includes a discussion of "The Merchant of Venice," film clips and performances by members of the class.

### Friday, April 23

"Sci Fi Shakespeare," featuring professor Robert O'Connor and "Dr. Who," will conclude the celebration at 3:30 p.m. in FLC 124. Organizers will show the "Dr. Who" episode, "The Shakespeare Code," which restages the Shakespeare play "Love's Labors Lost."

The Departments of English, Theatre and History, Women's and Gender Studies and NDSU Cooperative Sponsorship Committee are sponsoring "Recycling Shakespeare, an Earth Day Birthday Celebration!"

## Nadkarni to present 'Life in the Treetops'

Nalini Nadkarni, professor of forest ecology at The Evergreen State College in Olympia, Wash., will present the fourth annual NDSU College of Science and Mathematics Lectureship series. Nadkarni will present "Life in the Treetops: Three Decades of Forest Canopy Research" on Tuesday, April 20, at 7 p.m. at the Fargo Theatre. The event is free and open to the public.

Nadkarni's research in the cloud forests of Costa Rica and the temperate rainforests of the Olympic Peninsula has shown that canopy communities contribute substantially to maintenance of biodiversity, nutrient cycling and enhancement of wildlife habitat for the whole ecosystem. However, human disturbances such as forest fragmentation, air pollution and global climate change, can have strong negative effects on canopy biota.

To raise awareness of the fragility of forest canopy biota and encourage their protection, she developed novel pathways to communicate results of her canopy studies to the public by creating partnerships with artists, faith-based communities and incarcerated men and women. Nadkarni describes this work as a potential model for other scientists to bring their research to the public and thereby become open to new perspectives on their studies.

Nadkarni co-founded and is president of the International Canopy Network, a non-profit organization that fosters communication among researchers, educators and conservationists concerned with forest canopies.

For more information and special accommodation needs, contact Keri Drinka at 1-6131 or [keri.drinka@ndsu.edu](mailto:keri.drinka@ndsu.edu).

## Senior Day set for April 21

NDSU Bison Ambassadors have planned the 15th annual Senior Day, themed "Bison and Beyond," for Wednesday, April 21, from 3 p.m. to 5 p.m. at the Bison Sports Arena. The event is for all 2010 spring, summer and fall graduating senior undergraduates.

Free food, T-shirts, games and prizes from local businesses will be provided. The event is sponsored by Bison Ambassadors, Office of the President, NDSU Dining Services, Alumni Association, Office of Admission, NDSU Career Center and Games Galore.

Contact Stephanie Martin at [stephanie@ndsulumni.com](mailto:stephanie@ndsulumni.com) or 1-6811 for more information.

## NDSU students plan Cinco de Mayo celebration meal

NDSU students majoring in hospitality and dietetics have planned a full-service, casual dining opportunity on Tuesday, April 20, and Thursday, April 22, from 11 a.m. to 12:15 p.m. in the Family Life Center, room 312.

To celebrate an early Cinco de Mayo, the meal includes chicken tortilla soup topped with chopped green onion and shredded cheddar cheese and shredded chicken tacos fully loaded with guacamole, pico de gallo, sour cream, shredded cheddar cheese and lettuce, accompanied with a side of Spanish rice. The students will serve fruit fiesta (mixed fruit in fresh squeezed lime juice) for dessert.

The meal is open to the NDSU community and the public. Reservations are recommended and can be made by calling NDSU Dining Services at 1-7474. Students also will prepare "to-go" meals. The cost of the meal, including a beverage, is \$7. Cash or checks are accepted. Customers also can purchase a punch card for \$20, which is good for three meals.

Students prepare all meals from scratch. Katie Myrold and Joan Nagel are student managers of the meal.

## NDSU Spring Cleanup planned

Faculty, staff and students are invited to participate in the NDSU Spring Cleanup on Tuesday, April 20, from 1 p.m. to 4 p.m.

Participants should report to Dakota Plaza (northwest side of Memorial Union) between 1 p.m. and 2 p.m. for assignments or assistance. If individuals prefer to clean outside their buildings, check-in is not necessary.

Facilities Management will provide light equipment, trash bags and pick-up of collected material. Volunteers are asked to bring work gloves, rakes and brooms.

In case of rain, the cleanup will take place the following day, Wednesday, April 21.

The Sustainability Task Force and the Student Environmental Advisory Council are sponsoring the event. For more information, contact LeRoy Grosz at 1-9741 or [leroy.grosz@ndsu.edu](mailto:leroy.grosz@ndsu.edu) or Shauna Pederson at 1-8056 or [shauna.pederson@ndsu.edu](mailto:shauna.pederson@ndsu.edu).

## FORWARD plans panel discussion on full professorships

A panel of NDSU full professors will discuss their perspectives and experiences in the promotion process on May 4. The event is planned during lunch in the Memorial Union Hidatsa room. Those interested in attending are encouraged to mark their calendars and watch future issues of "It's Happening at State" and [www.ndsu.edu/forward](http://www.ndsu.edu/forward) for additional information.

The event is the first in a series of panel presentations and is part of ADVANCE FORWARD's Mid-Career Mentoring Program and the PROMOTE program which is funded by an ADVANCE PAID grant.

Virginia Clark Johnson, dean of the College of Human Development and Education, with help from FORWARD members Canan Bilen-Green and Charlene Wolf-Hall, are providing leadership to the PAID grant efforts at NDSU.

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

### Academic Assistant/#00020748

Nursing  
\$31,500+/year  
April 21

### X-Ray Specialist

Center for Nanoscale Science and Engineering  
Salary commensurate with experience  
April 20

### Custodian (multiple positions)

Residence Life  
\$19,760+/year  
Open until filled

### Senior Collection Development Librarian/#00019212

Library  
\$60,000+/year  
May 8

### Educational Services Librarian/#00020636

Library  
\$42,000+/year  
April 23

### Bison Connection Associate/#00025608

Bison Connection  
\$26,000+/year  
April 20

### Research Specialist/#00025349

Langdon Research Extension Center  
\$35,000+/year  
Open until filled

### Milling Specialist

Northern Crops Institute  
\$55,000+ dependent on experience  
Open until filled

### Systems Engineer/#3

Center for Nanoscale Science and Engineering  
Salary commensurate with experience  
Open until filled

University Relations  
North Dakota State University  
NDSU Dept 6020, PO Box 6050  
Fargo, ND 58108-6050

## CALENDAR

### APRIL

**14 Environmental and Conservation Sciences Green Bag** – “Arsenic Removal Using Iron Impregnated Activated Carbon,” Qigang Chang, noon to 1 p.m., Memorial Union Hidatsa room

**14 Student Recital** – Anthony Peterson, bass, 7:30 p.m., Beckwith Recital Hall. Free admission.

**15 Chemistry and Molecular Biology** – “Can Supramolecular Chemistry Rival Biology?” Angel Kaifer, University of Miami, 4 p.m., Dunbar 152

**16 Animal Sciences seminar** – “Physiology and Management of Equine Metabolic Syndrome,” Rachel Mottet, NDSU animal sciences graduate student, 3 p.m. to 3:50 p.m., Hultz Hall 104

**16 Softball** vs. Western Illinois, 3 p.m., Ellig Sports Complex

**16 Softball** vs. Western Illinois, 5 p.m., Ellig Sports Complex

**16 Student Recital** – Benjamin Salzer, trombone, 7:30 p.m., Beckwith Recital Hall. Free admission.

**17 Softball** vs. Western Illinois, noon, Ellig Sports Complex

**17 Student Recital** – Amanda Vogel, trombone, and Paul Nelson, saxophone, 5 p.m., Beckwith Recital Hall. Free admission.

**18 Equity, Diversity, and Global Outreach** – Lavendar Graduation Reception, 6 p.m. to 8 p.m., ecce yoga+art, 216 N. Broadway, Fargo.

**18 Faculty Recital** – Sigurd Johnson, percussion, 7:30 p.m., Beckwith Recital Hall. Free admission.

**19 Plant Sciences Graduate Seminar** – “Next-Generation Sequencing Technologies: Moving from Animal to Plant,” Morgan Echeverry-Solarte, 3:30 p.m., Loftsgard 114

**19 Plant Sciences Graduate Seminar** – “Integrated Pest Management of Coffee Berry Borer,” Luz Alcazar, 3:30 p.m., Loftsgard 114

**19 Graduate Recital** – Kohei Kameda, saxophone, 7:30 p.m., Beckwith Recital Hall. Free admission.

**20 Baseball** vs. Mayville State, 5 p.m., Newman Outdoor Field

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

**NEXT ISSUE** Publication date: Wednesday, April 21 | Submissions due: noon April 15

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

**SEND MAILING ADDRESS ADDITIONS, DELETIONS OR CHANGES** | [char.goodyear@ndsu.edu](mailto:char.goodyear@ndsu.edu)

**NDSU**

*North Dakota State University does not discriminate on the basis of age, color, disability, gender identity, marital status, national origin, public assistance status, race, religion, sex, sexual orientation, status as a U.S. veteran. Direct inquiries to the Vice President for Equity, Diversity, and Global Outreach, 205 Old Main, (701) 231-7708.*