

# NDSU

VOLUME 2 ISSUE 23

IT'S HAPPENING AT STATE

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## First full-day NDSU enrollment count tops 14,200

NDSU officials report first day enrollment was 2 percent higher than last year. As of the first full day of classes on Aug. 24, NDSU has 14,204 students enrolled in its undergraduate, professional and graduate programs compared to fall 2009 first full-day count of 13,929. This represents an increase of 275 students. Undergraduate students are up 305.

Prakash Mathew, vice president for student affairs, attributes the increase to several factors, including an increase in student retention and a higher number of international and Minnesota students choosing NDSU. The official enrollment count will be announced Sept. 21.

NDSU has 3,204 new undergraduates with 2,410 freshmen and 794 transfer students. The number of international students rose from 1,027 to 1,153, an increase of 12.3 percent.

"We are anticipating a modest increase in our fall enrollment. Retention efforts have paved the way for a higher percentage of returning students. Of course, enrollment figures will fluctuate up and down in the next several weeks. So we'll have to wait and see what happens with the final enrollment figure. The good news is that I sense optimism and excitement on campus which reaffirms that we are moving in the right direction," said Mathew.

NDSU President Bresciani said, "The 2 percent increase in enrollment reflects the transition that NDSU went through during the

interim administration. During that time there was a more purposeful strategy toward growth to allow for an incoming president to determine the long-term direction for NDSU."

There was a 1 percent decrease in professional and graduate students currently registered, but the graduate school reported graduate school applications are up 18 percent this year compared to last year at this time. David Wittrock, dean of the graduate school, said much of this is due to mature graduate programs.

"We anticipated noticeable enrollment growth when our graduate programs were first started. Now many of them are close to capacity, and we are not starting as many programs. I expect, however, there will be a small increase in graduate school enrollment when the final numbers come out in late September," said Wittrock.

President Bresciani said NDSU's enrollment reflects how students view the university. "Students see the quality and value of the NDSU experience. Nationwide there is a demand for what NDSU has to offer – a degree from one of the top student-focused land-grant research universities in the country. There are few, if any other land-grant universities that conduct research at our level, but remain student-focused. NDSU is attracting quite a bit of recognition for being that kind of university," he said.

## NDSU, tribal colleges collaborate for NSF grant

A collaboration of North Dakota universities and colleges has been awarded a \$4.8 million grant from the National Science Foundation (NSF) for a five-year program to improve the diversity and education of engineering graduates in the state.

The North Dakota collaboration connects NDSU with Cankdeska Cikana Community College, Turtle Mountain Community College, Sitting Bull College and Ft. Berthold Community College. The title of North Dakota's proposal was "PEEC: 2+2+2+Infinity: Pipeline for Tribal Pre-Engineering to Society (PTiPS)."

The collaboration, one of only four in the nation, is part of an NSF initiative called "Pre-Engineering Education Collaboration" established to bring four-year engineering schools together with tribal colleges to develop methods to attract, prepare and support under-represented American Indian students for a career in one of the engineering disciplines.

"The heart of the proposal is the interaction of tribal high school, tribal college, mainstream university and engineering profession stakeholders to facilitate recruitment, education and support

*Continued ...*

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

### FORWARD to host fall kick-off

A fall kick-off and celebration of awards event is planned for Thursday, Sept. 2, 2 p.m., Memorial Union Meadow Lark Room. The Departmental Impact Award will be presented at the celebration. Pre-register at [www.ndsu.edu/forward](http://www.ndsu.edu/forward).

### News and events

As information becomes available, news and event updates will be located on the "It's Happening at State" website [www.ndsu.edu/itshappening](http://www.ndsu.edu/itshappening).

### NDSU to host career fair

The Fargo Moorhead College and Career Fair is planned at the Urban Plains Center, Sept. 20, 6 p.m. to 8 p.m. and Sept. 21, 9 a.m. to 11:30 a.m. More than 1,500 students, parents and counselors from more than 60 area high schools have been invited. Nearly 100 post-secondary institutions and military organizations will participate in the Fargo-Moorhead program.

Contact the NDSU Office of Admission at 1-8643 for information.

of tribal students to acquire and hone the skills that allow them to enter the engineering profession or contribute in some other fashion to their communities and the nation," said Robert Pieri, NDSU tribal college partnership coordinator and principal investigator. G. Padmanabhan, professor of civil engineering, is co-principal investigator.

Under the program, students from reservations begin their studies at a local tribal college and then transfer to a collaborating four-year institution to complete their studies and gain useful experience through professors, professional societies and co-op experiences.

According to Pieri, the collaboration supports a tribal college vision of expanded life-choices for reservation residents and the opportunity for personal and tribal advancement without loss of cultural heritage. He said NDSU benefits by expanded participation of culturally diverse students, shared fulfillment of the land-grant mission, improved faculty-student communication interaction and expansion of the talent pool entering Science, Technology, Engineering and Mathematics (STEM) professions.

Pieri said the program includes a "conceptual curriculum" that will address access to remedial work, use of cohorts, flexibility in the approach to courses and relevance to local communities.

Other NSF funded collaborations came from South Dakota, Wisconsin and Hawaii.

## Listening groups organizing



NDSU President Dean L. Bresciani has identified five areas for discussion by campus listening groups gathering information for NDSU's planning process.

In an e-mail message to faculty and staff sent Aug. 19, Bresciani said the listening groups are a way for him to understand the university's strengths, traditions and potentials, as well as weaknesses and obstacles.

"I need to hear from many people as quickly as possible so that we can begin our formal planning process with a solid base of input and observations from the campus community," Bresciani wrote, noting he has asked senior leaders to identify groups to gather input. "Remember, I am intending to use the listening group input only to develop a planning process. There are no hidden agendas or preconceived notions regarding what I'll hear from you."

According to Bresciani, Craig Schnell, provost and vice president for academic affairs, in coordination with college deans will identify participants in a group that will discuss teaching, research and service.

Phil Boudjouk, vice president for research, creative activities and technology transfer, will identify group members to discuss applied research, technology transfer and economic development.

Keith Bjerke, vice president for university relations, in coordination with the vice president for agriculture, directors of agricultural Extension, Experiment Station, Athletics, the NDSU Foundation and NDSU Alumni Association, will organize the group to consider branding and communication with external constituencies.

The vice president for university relations and the provost, in coordination with the vice president for information technology and the vice president for agriculture, and the directors of agricultural Extension and Experiment Station, will name the group to look into university outreach and public service.

Prakash Mathew, vice president for student affairs, in coordination with the vice president for equity, diversity and global outreach, the dean of graduate studies and the student body president, will identify the listening group to discuss student engagement, retention and graduation rates.

"I expect the listening group process to take a few weeks, and after the material has been gathered, we'll summarize the comments and give everyone in the campus community a chance to see and react to the results," Bresciani wrote. "I also want to send the summaries to the four representative organizations on campus – Faculty Senate, Staff Senate, Student Government and the NDSU Alumni Association – for their input as well. After all of that material has been collected, summarized, distributed and reacted to, we'll begin to structure the formal planning process."

Bresciani continued, "I've asked the people identifying the group participants to convene two to six groups of four to eight members each, and asked that the groups be as broadly representative as possible. If you are interested in participating in a given topic area, please do feel free to contact the indicated coordinator to see if a space is available."

## NDSU receives NSF grant

The National Science Foundation (NSF) has awarded NDSU a grant of \$751,244 to support the project titled "Northern Tier Network – North Dakota and South Dakota Access Improvement." The project is under the direction of Bonnie Neas vice president for information technology, and Claude Garelik, information technology security officer for the South Dakota State Board of Regents System.

The Northern Tier Network Consortium is a regional network initiative with the goal to provide a robust research network connection for educational institutions in the upper-northwestern states. With current endpoints in Chicago and Seattle, the network ensures Internet2 members in the Northern Tier can establish a multi-Lambda connection to a national or international aggregation point.

"This award is really a recognition by NSF of how important the Northern Tier Network is to this region," said Neas, noting the funding will help connect advanced networking systems in North Dakota and South Dakota. "We've had our east-west connections in place for more than a year, and this begins the work of our north-south connection."

She said the consortium is now working with vendors and expects the connection with the South Dakota system to be completed in about a year.

According to the grant, the new network link will be used for research and education traffic. After completion of the renovation, the network will be used to conduct research resulting in the submission of publications in each of three areas: real-time predictive modeling of drought, rainfall and hail; how the national research and education network performs when used by scientists to

access data repositories at Earth Resource Observation Systems (EROS) and U.S. Forest Service sites; and research that involves the use of remote access to NDSU's scanning electron microscope by scientists in South Dakota.

The award is effective Sept. 1 and expires Aug. 31, 2012, and is funded through the American Recovery and Reinvestment Act of 2009. More information can be found at [www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=arra0509](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509).

## Faculty and students take active role at FEMA Conference

Department of Emergency Management faculty, students and graduates were active in the June 2010 Federal Emergency Management Agency's Annual Higher Education Conference in Emmitsburg, Md.

Carol Cwiak coordinated the nomination, review and award process for the Wayne Blanchard Award established by NDSU recognizing academic excellence in emergency management higher education. Cwiak presented "Principles of Emergency Management Independent Study Course Development" and the annual research-based report on emergency management programs across the nation and the body of knowledge review. She also presented an extended session on "Emergency Management for Higher Education: U.S. Department of Education Resources and Grantee Highlights from North Dakota State University." That session reviewed activities generated at NDSU from the \$412,353 Department of Education planning grant for which Cwiak serves as principal investigator.

Marc Khatchadourian, NDSU graduate student, also participated in that session giving a presentation on emergency management internships.

Daniel J. Klenow, department head, presented "Building and Maintaining Emergency Management Programs" and Jessica Jensen, lecturer and graduate student, gave a presentation on "Theoretical Considerations for Emergency Management in Higher Education." Mike Kemp, PhD '10, teamed up with Dan Martin, doctoral student, to present "Utilizing Emergency Management Focused Technologies in the Classroom."

## ND EPSCoR announces award recipients

The North Dakota Experimental Program to Stimulate Competitive Research (ND EPSCoR) announced research awardees for its Infrastructure Improvement Program (IIP) Seed Grants and Doctoral Dissertation Assistantship (DDA) programs.

The research awardees include:

- Peggy Biga, assistant professor, biological sciences
- Sivaguru Jayaraman, assistant professor, chemistry and molecular biology
- Wei Jin, assistant professor, computer science
- Sean Sather-Wagstaff, assistant professor, mathematics
- Craig Stockwell, associate professor, biological sciences
- Xiangqing Tangpong, assistant professor, mechanical engineering
- Alexander Wagner, associate professor, physics

- Erxi Wu, assistant professor, pharmaceutical science
- Weiyi Zhang, assistant professor, computer science
- Pinjing Zhao, assistant professor, chemistry and molecular biology

Student recipients, their departments and advisers are:

- Avinash Ambre, civil engineering, Kalpana Katti, associate and distinguished professor
- Sumit Ghosh, veterinary and microbiological sciences, Jane Schuh, assistant professor
- LaToya Kissoon, biological sciences, Marinus Otte, professor
- Barry Pemberton, chemistry and molecular biology, Sivaguru Jayaraman, assistant professor

Thirty-six NDSU researchers competed for the awards totaling more than \$446,880. The IIP Seed Grant program provides opportunity for investigators to initiate a research program in one or more areas supported by the National Science Foundation. The DDA program is designed to increase the completion rate of doctoral students enrolled in science, engineering and mathematics and to increase the number of competitive proposals submitted to the National Science Foundation.

ND EPSCoR is a federally and state funded program designed to help university researchers compete more effectively for federal, regional and private research grants in science, engineering and mathematics. For more information, contact David Givers, ND EPSCoR's co-project director, at [david.givers@ndsu.edu](mailto:david.givers@ndsu.edu) or 1-7516 or visit [www.ndepscor.nodak.edu](http://www.ndepscor.nodak.edu).

## Office of Admission announces new student recruitment group

The Office of Admission has formed a new student recruitment group called Bison Guides. The group will be comprised of 50 students who will give tours and serve as panelists during Discover NDSU and Saturday Series recruitment programs. The Bison Ambassadors previously conducted the events. The group was formed to provide additional student coverage and give all NDSU students an opportunity to apply to serve as tour guides and panelists. All applicants will be interviewed and, if selected, will receive a \$60 NDSU Bookstore gift certificate per semester, NDSU Bison winter coat courtesy of the NDSU bookstore and complimentary lunch at many of the events. Please share this with students who you think would be great representatives of NDSU.

Contact Brad Jones at [bradley.jones@ndsu.edu](mailto:bradley.jones@ndsu.edu) or Michael Nicholas at [michael.nicholas@ndsu.edu](mailto:michael.nicholas@ndsu.edu) for additional information.

## Students create high-risk drinking campaign

The Office of Orientation and Student Success enlisted the help of communication students in Elizabeth Crawford's advertising practicum course at NDSU to create an ad campaign that focuses on reducing the consequences to students who make high-risk drinking decisions.

"Before One More" helps students understand when one more drink can become one too many and shows them how they can

make low-risk drinking decisions. For students less than 21 years of age, one is one too many. For students who choose to drink, it is important to know how to do it without harming themselves or others around them.

Here's more information about the campaign:

- More than 1,400 "Before One More" T-shirts were given out at Club NDSU on opening weekend.
- Herd Hauler key tags will be available in early September with "Before One More" information included, plus information for Doyle's cab service.
- All student tickets for fall 2010 Bison football games will include information about the campaign.
- The student-run NDSU television station, Bison Information Network (BIN), is creating a public service announcement.

For more on the campaign, go to [www.ndsu.edu/alcoholinfo/students/before\\_one\\_more](http://www.ndsu.edu/alcoholinfo/students/before_one_more), visit NDSU's Alcohol and Other Drug Prevention website at [www.ndsu.edu/alcoholinfo](http://www.ndsu.edu/alcoholinfo) or contact Erika Beseler Thompson, NDSU assistant director for alcohol and other drug prevention, at [erika.beseler@ndsu.edu](mailto:erika.beseler@ndsu.edu).

## Training set for LIVE REAL Mentor program

The LIVE REAL Mentor program is offering several one-hour training sessions this fall for students, faculty and staff members who want to be identified as a resource for students who have issues regarding alcohol and other drug abuse.

Scheduled training dates include Sept. 14 at 4 p.m., Oct. 13 at noon., Nov. 18 at noon and Dec. 8 at 4 p.m. All training sessions will be in the Hidatsa Room of the Memorial Union.

More information on the LIVE REAL Mentor program is available at [www.ndsu.edu/alcoholinfo/faculty\\_staff/facultystaff\\_alcohol\\_other\\_drug\\_prevention\\_advocate](http://www.ndsu.edu/alcoholinfo/faculty_staff/facultystaff_alcohol_other_drug_prevention_advocate) or contact Erika Beseler Thompson, assistant director of alcohol and other drug prevention in the Office of Orientation and Student Success, at 1-5478 or [erika.beseler@ndsu.edu](mailto:erika.beseler@ndsu.edu).

## PEOPLE

### NDSU communicators earn national awards



Crawford

NDSU communicators were honored at the National Federation of Press Women awards banquet in Chicago Aug. 26-28.

The annual NFPW Communications Contest, which provides an opportunity to compete in a wide range of categories, encourages and rewards excellence in communication. Only first place winners of the North Dakota Public Communicators were eligible to enter the national competition.



Koch

Ellen Crawford, information specialist in Agriculture Communication, earned third



Hagen



Rudolph

place in reports, external annual reports category and a joint honorable mention in public service with Becky Koch, director of Agriculture Communication.

Koch also earned first place in audiovisuals, Power Point or similar presentation method category; second place in audiovisuals, video production category; and honorable mention in photography in printed publication other than newspaper-news photo category.

Joel Hagen, staff writer in Publications Services, earned second place in feature story, publication for general or specialized circulation, and second place for personality profile more than 500 words.

Sadie (Anderson) Rudolph, former information specialist in University Relations, earned honorable mention for newsletter, one- to three-color.

### Larew to be inducted into Hall of Fame



Larew

Donald Larew, NDSU Professor Emeritus, is a 2010 Hall of Fame inductee for the Communication Speech and Theatre Association of North Dakota. He will be formally inducted at the Hall of Fame banquet on Sept. 17 at the Seven Seas Inn in Mandan, N.D. Larew was chosen based on his creativity and long-standing commitment to theatre arts and his students,

many of whom are theatre arts teachers or professional artists.

Larew earned a bachelor's degree at Iowa State University in 1963 and master of fine arts degree from the University of Iowa in 1969. He joined NDSU as an instructor in 1969, and named full professor in 1986. He also was artistic director and designer for the Little Country Theatre (1989-2009); theatre arts coordinator (1990-92); director of theatre and technical director for the Little Country Theatre (1969-1985); scenic designer and technical director of the North Dakota Repertory Theatre (1981-83); and scenic and costume designer/technical director of NDSU's Prairie Stage Touring Company (1972-76). He has been involved in the F-M Community Theatre, Red River Dance and Performing Company, Fargo-Moorhead Civic Opera, Carousel Dance Theatre and Sceno-Graphics of New Wilmington, Penn. His professional affiliations include the United States Institute for Theatre Technology and American Theatre Association.

Larew worked to restore the Lincoln Log Cabin facility that was part of the early history of the Little Country Theatre at NDSU. His ongoing focus to preserve records of all NDSU's theatre arts activities resulted in creation of an NDSU Archives' website called "The Passion of Theatre: The Don Larew Collection." The exhibit features scenes from 118 theatrical performances. Larew received the American College Theatre Festival Meritorious Achievement Award in 1999 for his scenic design of "Something's Afoot;" College of Arts, Humanities and Social Sciences Outstanding Research/Creative Award in 1992; and the ACTF Meritorious Achievement Award for his scenic design and painting for "Helen of Troy" in 1991.

Since his retirement, Larew designs for Sceno-Graphics and supports the arts throughout the region. He is a board member for the Probstfield Living History Farm and the Fargo Heritage.

To purchase a ticket to the Hall of Fame banquet, contact [Susan.L.Anderson@sendit.nodak.edu](mailto:Susan.L.Anderson@sendit.nodak.edu).

## Isern participates in live Australian radio broadcast



Isern

Tom Isern, professor of history and a university distinguished professor, was invited to participate in an hour-long radio roundtable broadcast live across Australia on Aug. 26. Bush Telegraph, the Australian Broadcasting Corporation's midday program on rural affairs, organized the forum on the evolution of rural identity in

Australia. Isern led discussion with presenter Michael Cathcart. They were eventually joined by Troy Whitford, lecturer in history and politics at Charles Sturt University, one of NDSU's student exchange partners in Australia.

For the program description visit [www.abc.net.au/rural/telephone/content/2010/s2994133.htm](http://www.abc.net.au/rural/telephone/content/2010/s2994133.htm).

Podcast are available at [www.abc.net.au/rn/bushtelegraph](http://www.abc.net.au/rn/bushtelegraph).

## EVENTS

### Ehrenreich to present lecture

Writer Barbara Ehrenreich will discuss her work as journalist, historian and social critic Sept. 2 at 7 p.m. in Festival Concert Hall. The lecture, "Women, Economics and Poverty: On (not) Getting by in America," is free and open to the public.

Ehrenreich is a former columnist for Time and contributor to the New York Times, Atlantic Monthly and Salon.com, among others. Her 20 non-fiction books often explore the American workplace and social justice.

In her 2001 "Nickel and Dimed: On (not) Getting by in America," she worked blue-collar jobs to see what life was like for persons working for \$7 an hour, including working at a Minneapolis Wal-Mart.

For more information, contact Erienne Fawcett in the Women and Gender Studies Department at [erienne.fawcett@ndsu.edu](mailto:erienne.fawcett@ndsu.edu).

### Animal sciences department to host 'Moos, Ewes and More'

The Department of Animal Sciences will host "Moos, Ewes and More," a family event to learn more about livestock, on Sept. 11, from 10 a.m. to 2 p.m. at the North Dakota Horse Park, 5180 19th Ave. N., Fargo. The event is free.

Participants will learn how milk gets to the table, how many sweaters can be made from the wool of one sheep and how a horse can sleep while standing. They will have the opportunity to see the animals and meet the farm managers, faculty and staff in the animal sciences department. Animal demonstrations are planned in addition to BBQ Boot Camp samples and dairy product treats.

"North Dakota is proud of its agricultural background, and NDSU would love to demonstrate some of what we do for you and your family," said Stacey Ostby, veterinary technologist in the animal sciences department.

For more information, contact Erika Berg at [erika.berg@ndsu.edu](mailto:erika.berg@ndsu.edu) or visit [www.ag.ndsu.edu/ansc/news-events/moos-ewes-more](http://www.ag.ndsu.edu/ansc/news-events/moos-ewes-more).

## RESEARCH

### Four faculty receive FORWARD Leap Research Grants



Maddock Carlin



Gillam



Simsek



Tangpong

Four faculty have been awarded FORWARD Leap Research Grants. The recipients are Kasey Maddock Carlin, assistant professor of animal sciences; Erin Gillam, assistant professor of biological sciences; Senay Simsek, assistant professor of plant sciences; and Annie Tangpong, assistant professor of mechanical engineering. The Leap Research Grants are funded by the National Science Foundation Advance Grant and EPSCoR. They support advancement of tenure-track and tenured faculty women in science, technology, engineering and mathematics disciplines by providing research grants to seed proposals with strong potential that could lead to greater funding opportunities from federal sources such as NSF or NIH.

The Leap Research Grant will support Carlin's research exploring the impact of maternal nutrition on skeletal muscle development and growth and provide funding for evaluation of samples collected from different muscle types. Gillam's award will be used to help establish a strong research program in Costa Rica focused on understanding evolution of acoustic signaling in bats. The award to Simsek will help her develop a program in the field of carbohydrates and perform research leading to possible funding from NSF's Faculty Early Career Development program to study biochemical changes in wheat cell wall chemistry. Tangpong's award will help her establish a new research direction dealing with friction damping mechanism in nanocomposites and conduct further analytical study and new experimental study on proposed research laying a foundation for pursuit of federal grants.

Information about these grants and funding opportunities is available at [www.ndsu.edu/forward](http://www.ndsu.edu/forward). For questions, contact Canan Bilen-Green at [canan.bilen.green@ndsu.edu](mailto:canan.bilen.green@ndsu.edu) or 1-7040 or Charlene Wolf-Hall at [charlene.hall@ndsu.edu](mailto:charlene.hall@ndsu.edu) or 1-6387.

## PUBLICATIONS/PRESENTATIONS

### Faculty, staff, students participate in conference

NDSU faculty and graduate students from the Department of Agricultural and Biosystems Engineering attended the American Society of Agricultural and Biological Engineers annual meeting June 20-23 in Pittsburgh. Faculty members Ganesh Bora, Igathinathane Cannayen, Kenneth Hellevang, Xinhua Jia, Scott Pryor, John Nowatzki, Shafiqur Rahman and Dean Steele moderated sessions, presented papers and posters and participated in technical committee meetings. Bhavnita Dhillon and Bishnu Karki, postdoctoral research associates; and Hongjian Lin, Xiao Pang and Ishara Rijal, graduate students, also attended.

Bora, assistant professor, presented "Energy Savings by Adopting Precision Agricultural Technology in North Dakota" written by Bora and Nowatzki. Bora also was elected co-chair of the safety, education and training committee and tasked with developing a standard for "Safety for Anhydrous Ammonia Application Equipment." He leads the committee with Mark Hanna of Iowa State University. The ASABE Standards, Engineering Practices and Data division, developed and maintained through the cooperative standards program, provides technical basis for international standardization.

Cannayen, assistant professor, presented "Development of Advanced Pixel-March Algorithm to Determine the Width of Non-Convex Shaped Biomass Particles by Machine Vision" written by Cannayen, Staffan Melin, Lester Pordesimo, Shahab Sokhansanj, Eugene Columbus, Xiaotao Bi and Jim Lim. Cannayen also presented "Effect of Angle of Cut on Corn Stalks Mechanical Cutting Strength and Energy" written by Cannayen, Alvin Womac and Shahab Sokhansanj.

Hellevang, professor, presented "Education and Technical Assistance for the Grain Industry," an invited oral presentation in the session, "Crop Storage and Handling: Capabilities and Needs for the 21st Century." Hellevang also participated in several technical committees and will lead the development of the standard, "Terminology for Grain Drying, Handling and Storage."

Nowatzki, agricultural machine systems specialist, wrote and presented "Precision Agriculture on eXtension Web Site."

Pryor, assistant professor, presented three posters: "Composition Analysis of Perennial Grass Species to Evaluate Potential as Individual or Conglomerate Bioenergy Crops" written by Ewumbua Monono, Bishnu Karki, Nurun Nahar and Pryor; "Fermentation of Sugar Beet Pulp Hydrolyzate with *Saccharomyces cerevisiae* and *E. coli*" written by Rachel Rorick, Nahar and Pryor; and "Preparation of Plastics from Acetylated Canola Proteins" written by Jaidev Sehrawat, Wajira Asanga Ratnayake Manamperi and Pryor. Pryor also presented the paper "Enzymatic Saccharification of Switchgrass and Tall Wheatgrass Mixtures Using Dilute Acid and Aqueous Ammonia Pretreatments," written by Pryor and Nahar. Pryor was named an associate editor for the Biological Engineering Division of ASABE's journals and a special guest editor for a bioenergy issue.

Rahman, assistant professor, presented "Efficacy of Bacterial Treatment to Mitigate Odor, Ammonia and Hydrogen Sulfide Emissions from Gestation-Farrowing Barns in North Dakota," written by Rahman and David Newman. Rahman also presented "On-Farm Turkey Carcass Composting Using Sunflower Hulls-based Turkey Litter in North Dakota Climatic Conditions," written by Rahman and Saqib Mukhtar. Rahman was elected secretary of the Agricultural Waste Management Committee (SE-412). Rahman also was selected as associate editor for the Structure and Environment Division of the ASABE.

Steele, associate professor, presented a poster, "Water Balance Evapotranspiration Estimates for the Devils Lake Basin Water Utilization Test Project," written by Joshua Moeller, Steele, David Hopkins and Xinhua Jia.

Dhillon, postdoctoral research associate, presented "Improved Microbial Quality of Buckwheat Using Ozonated Water and Acetic Acid Solution in a Fluidized Bed," written by Dhillon, Dennis Wiesenborn, Rachel Brudvik and Charlene Wolf-Hall.

Lin, graduate research assistant, presented "Effect of Trace Contaminants on Cold Soak Filterability of Canola Biodiesel," written by Lin, Darrin Haagenson, Wiesenborn, Pryor and Brudvik.

Pang, graduate student, presented "Effect of Subsurface Drainage on Water Availability in the Red River Valley of the North," written by Pang, Jia, Thomas DeSutter, Steele and Ishara Rijal.

Rijal, graduate research assistant, presented "Comparison of Reference and Actual Evapotranspiration in North Dakota," written by Rijal, Xinhua Jia, Steele, Thomas Scherer, Xiaodong Zhang and Pang.

### Akyüz to speak at conference



**Akyüz**

Adnan Akyüz, state climatologist and assistant professor of climatology in the soil science department, will talk about the agricultural applications of the North Dakota Agricultural Weather Network (NDAWN) system during the 10th European Meteorological Society Annual Meeting on Applied Climate in Zürich, Switzerland, on Sept. 14.

The meeting focus is high-resolution climatology toward climate change services. "There is a growing awareness that climate and climate change have and will have a strong impact on society's safety, environment, health and economy," Akyüz said.

He said the North Dakota State Climate Office has improved its climate services based on better monitoring and understanding of weather and climate information. While policymakers use this vital information to adapt to weather and climate and develop adaptation strategies for future weather and climate, North Dakota farmers use the NDAWN information as a decision-making tool in their farming applications. The title of Akyüz's presentation is "Agricultural Decision Making Using North Dakota Agricultural Weather Network in North Dakota, USA."

The abstract, co-written with Barb Mullins, Dallas Morlock and Radu Carcoana, also from the soil science department, will be published in the conference proceedings. A full manuscript will be peer reviewed for publication in the Advances in Science and Research Journal.

## Bauroth published in public administration journal



Bauroth

Nick Bauroth, associate professor of political science, had "The Strange Case of the Disappearing Special Districts: Toward a Theory of Dissolution," published in the September issue of *The American Review of Public Administration*. The article examines variables behind the elimination of special district governments between 1987 and 2002.

## Bocea speaks at international conferences



Bocea

Marian Bocea, assistant professor of mathematics, presented research at several international conferences this summer. At the 8th AIMS Conference on Dynamical Systems, Differential Equations and Applications in Dresden, Germany in May, he delivered an invited talk in the session "Applied Analysis and Dynamics in Engineering and Sciences."

Bocea attended and presented at the Variable Exponent Analysis conference at the University of Oulu in Finland, and attended the International Congress of Mathematicians (ICM) in Hyderabad, India, Aug. 19-27, and spoke in the Partial Differential Equations section. The ICM is a major mathematics event held every four years under the auspices of the International Mathematical

Union. Bocea's participation in this year's congress was supported in part by \$3,000 in National Science Foundation funds through a travel grant awarded following a nationwide competition organized by the American Mathematical Society.

## Maylath presents paper, organizes roundtable



Maylath

Bruce Maylath, professor of English, presented a paper at the IEEE International Professional Communication Conference (IPCC) July 7, hosted by the University of Twente, in Enschede, the Netherlands. Titled "Interactivities Between Professional Translators and Professional Communicators: What Translators Would Like Communicators to Know," the paper was co-written by professors of translation in Belgium, Denmark, France and Italy.

Immediately preceding the IPCC, Maylath organized and moderated the Enschede 2010 Roundtable for Educators, co-sponsored by the Council for Programs in Technical and Scientific Education and the Association of Teachers of Technical Writing. It was the fifth in the series of international roundtables that Maylath co-founded in 2000 and has continued to organize. Previous roundtables were held in London, Milan, Limerick and Montreal and have drawn participants from 15 nations on four continents.

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

### Project Coordinator

Nursing  
\$32,000+/year  
Sept. 7

### Instructional Designer

Nursing  
\$22,500+/year  
Sept. 7

### Research Specialist/#00021042

Animal Sciences  
\$22,000+/year  
Sept. 3

### Commodity Quality Specialist

School of Food Systems  
\$30,000 min./year  
Sept. 4

### Electrophysiological Lab

**Technician/#00019719**  
Psychology  
\$50,000+/year  
Open until filled

### Nurse Practitioner

Student Health Services  
\$58,955+/year  
Open until filled

### Research Specialist

Plant Science  
\$35,000+/year  
Open until filled

### Office Assistant/#00023215

VP Research, Creative Activities and Technology Transfer  
\$27,000+/year  
Sept. 13

### Custodian (multiple positions; various hours)

Facilities Management  
\$19,760+/year  
Open until filled

### Undergraduate Bulletin available online

The 2010-11 NDSU Undergraduate Bulletin is available online at [www.ndsu.edu/bulletin](http://www.ndsu.edu/bulletin).

The online publication includes the most current and complete academic policies and information for the current academic year. Curriculum guides (major requirements) for each undergraduate or professional major and minor are linked within the respective college or department sections of the bulletin. The bulletin is available both as a series of web pages and printable PDF documents for easy access and printing.

Additional academic resources, forms and dates or deadlines for NDSU students, faculty, staff and advisers are available on the Office of Registration and Records homepage at [www.ndsu.edu/registrar](http://www.ndsu.edu/registrar). The Graduate Bulletin also is available online at [www.ndsu.edu/gradschool/graduate\\_bulletin](http://www.ndsu.edu/gradschool/graduate_bulletin).

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

## CALENDAR

### SEPTEMBER

**1 Department of Chemistry and Biochemistry presentation** – “Platinum Terdentate/Bidentate Complexes as Broadband Nonlinear Absorbing Materials and Optical Sensors,” by Wenfang Sun, 4 p.m., Dunbar 152

**1-3 Poster Sale**, 9 a.m. to 6 p.m., Memorial Union Gallery

**2 Opening reception for Eric Johnson's Printmaking Exhibit**, “At the Bottom of Everything: Printmaking by Eric A. Johnson,” 4 p.m. to 6 p.m., Memorial Union Gallery

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

**6 Labor Day holiday observed**, university closed

**8 Pride Network** meeting for Lesbian, Gay, Bisexual, Transgender and Queer identified faculty, staff and graduate students, 2 p.m., Memorial Union Gunkelman Room

**10 Volleyball vs. Southern Utah**, 7 p.m., Bentson/Bunker Fieldhouse

**11 Volleyball vs. UMKC**, 7 p.m., Bentson/Bunker Fieldhouse

**15 Human Resources/Payroll – Blood Drive**, 1 p.m. to 4:30 p.m., outside west entrance of the Memorial Union. Schedule an appointment at [www.bloodhero.com](http://www.bloodhero.com) or contact Paulette Schlecht at 1-8961. Bring photo ID at time of donation.

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

**16 Volleyball vs. North Dakota**, 7 p.m., Bentson/Bunker Fieldhouse

**17 Volleyball vs. Tulsa**, 7 p.m., Bentson/Bunker Fieldhouse

**18 Volleyball vs. South Dakota State**, 2 p.m., Bentson/Bunker Fieldhouse

**18 Football vs. Morgan State**, 6 p.m., Fargodome

**20 NDSU hosts annual Fargo Moorhead College & Career Fair**, 6 p.m. to 8 p.m., Urban Plains Center

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

**NEXT ISSUE** Publication date: Wednesday, September 15 | Submissions due: noon September 9

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Library 16, NDSU Dept 6020, PO Box 6050, Fargo, ND 58108-6050 | Voice: 231-5853 | Fax: 231-5120

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

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