

Reynolds presents research in Austria



Reynolds

Larry Reynolds, professor of animal sciences and director of the Center for Nutrition and Pregnancy, made an invited presentation titled, "Placental microvascular growth: Implications for compromised pregnancy," at the Reproductive Bioengineering meeting held April 1-5 in Werns im Pitztal, Austria.

The presentation was co-written by Pawel P. Borowicz, Joel S. Caton, Anna T. Grazul-Bilska, Justin S. Luther, Jacqueline M. Wallace and Dale A. Redmer.

The conference was an international multi-disciplinary meeting on all scientific topics that require integration of either bioengineering or biophysical aspects with biological and physiological knowledge in the study of all areas of reproduction from the molecular to organ levels. Reynolds also participated as a member of the International Scientific Committee that assisted in the planning of this conference.

NDSU staff members awarded at national conference

Three NDSU staff received awards at the Association for Communication Excellence conference June 10-13 in Traverse City, Mich.

Becky Koch, Ag Communication director, received the Award of Excellence for overall work in Distance Education and Instructional Design.

In the Critique and Awards program, Bruce Sundeen, Ag Communication electronic media specialist, received the silver in informational or non-credit educational video production for "Eat Smart. Play Hard. Thundar's New Game Plan." Randy Wald, Information Technology Specialists instructional services consultant formerly with Ag Communication, received the bronze in video news and features for "Sheyenne River Archers 4-H Team." Koch received the bronze in targeted publications for the biofuels Ag Mag.

FORWARD group presents results of institutional transformation research

Members of the FORWARD Group presented their research on institutional transformation and advancement of women faculty at the Women in the Engineering ProActive Network national conference held June 8-11, in St. Louis.

Canan Bilen-Green, associate professor of industrial and manufacturing engineering; Elizabeth Birmingham, associate professor of English; and Ann Burnett, associate professor of communication and director of women studies, presented "Institutional Transformation at North Dakota State University."

Bilen-Green; Karen A. Froelich, associate professor of management, marketing and finance; and Sarah W. Jacobson; professor emeritus of management, marketing and finance; presented "The Prevalence of Women in Academic Leadership Positions, and Potential Impact on Prevalence of Women in the Professorial Ranks."

Burnett named full-time women's studies director



Burnett

Ann Burnett, associate professor at NDSU, is now the full-time director of the Department of Women's Studies. Previously, she also spent half of her time in the Department of Communication.

Her responsibilities will include developing the women's studies academic program, including attracting students to the major and minor, providing additional class offerings and fund raising. "The Women's Studies program has a great deal to offer for many students on campus. This full-time position will allow me the opportunity to create and promote Women's Studies to its full potential," Burnett said.

Burnett joined NDSU in 1997 and was named part-time Women's Studies director in 2002. Her research interests are examining how women communicate about the fast-pace of life and on how rape cultures are fostered on college campuses.

Originally from Colorado, she earned a bachelor's degree in economics at Colorado College and a master's degree in communication at the University of Northern Colorado. She earned her doctorate in communication at the University of Utah, studying jury decision-making. In her spare time, she engages in legal consulting.

SUNRISE researchers awarded \$2,786,268 in external grants

Several faculty members in the Sustainable Energy Research Initiative (SUNRISE) have received external competitive grant awards.

Alena Kubatova, UND assistant professor of chemistry was awarded a five-year, \$640,000 National Science Foundation CAREER award titled, "Formation pathway of polar derivatives of nitro-PAHs." The research aim of this proposal is to elucidate the gas-particle (heterogeneous) reaction mechanisms of PAH nitration and oxidation with a focus on the identification of reaction products.

Sivaguru Jayaraman, NDSU assistant professor of chemistry was awarded a National Science Foundation CAREER award titled "Imprinting Molecular Chirality in Solution During Photo-Transformations." This four-year, \$575,000 award will build upon preliminary data from a SUNRISE Department of Energy EPSCoR Infrastructure Improvement Program seed grant Siva used to develop methods and data that he utilized in his winning proposal.

Uwe Burghaus, NDSU assistant professor of chemistry, was awarded a National Science Foundation CAREER award titled, "Chemical Activity of Copper Oxide and Gold Nano Model Array Catalysts Towards CO Oxidation." In this five-year, \$426,000 project Burghaus and his students will study the catalytic activity of model-nano-array catalysts by surface chemistry techniques. Those catalysts belong to the class of so-called model catalysts, which consist of nano-sized metal particles on a metal oxide support and can resemble realistic model systems for industrial catalysts.

Principal investigator Brian Tande, UND assistant professor of chemical engineering, and co-principal investigators