

COLLEGE HAPPENINGS

June 26, 2018

FROM THE DEAN

How's Your Online Presence?

During a faculty interview recently, a candidate was asked about their plans for developing an “online presence.” I thought this was an interesting question, not just for new faculty starting in their academic careers, but for established faculty as well. In today’s world of social media and hyper-connectivity through multiple internet platforms, developing a web identity is important for a number of reasons. These reasons include making your research and teaching activities more widely known, increasing the likelihood of new contacts for collaborations, improving the chances that your publications get cited and increasing your funding odds (who hasn’t googled the PI while evaluating their research proposal?). There are several approaches and tools that are available for enhancing your online presence. The most obvious is to keep your faculty webpage up-to-date and to develop a website for your research group, where you can highlight the activities you and your students are involved in. Facebook, LinkedIn, Twitter, or personal blogs are additional ways to enhance your online presence.

In addition, there are a number of **research profile** sites which you could link to from your personal or professional webpages. These research profile sites take only a short time to set-up:

- **Google Scholar** – by creating an account on Google Scholar, your profile will show your list of publications and citations with basic metrics. Co-authors can also be linked to the profile. (Here is a [link](#) to my Google Scholar page as an example.)
- **ResearchID** – a tool from Thomson Reuters (owners of Web of Science and the Journal Citation Reports), which offers a public profile and provides feedback to Web of Science for grouping author name variants or corrections to affiliations. (Here is a [link](#) to my ResearchID page as an example).
- **ORCID (Open Researcher and Contributor ID)** – provides a unique ID number to authors, since most personal names are not unique, and provides each researcher with a constantly updated publication list. (Here is a [link](#) to my ORCID page as an example).
- **Scopus Author Identifier** – Elsevier’s online database, Scopus, also allows for author profile pages which cover affiliations, publications, and details about the number of citations each publication has received. (Here is a [link](#) to my Scopus page as an example).

There are also research communities, such as **ResearchGate** and **Academia.edu**, and reference management tools with social functions, such as **Mendeley**. I haven’t experimented with these resources, but I would be interested in hearing from any of you that have. With the frenzy of the spring semester behind us, I encourage you to take some time this summer to evaluate your online presence, and to investigate some of the resources discussed above to enhance your visibility on the web.

Finally, I want to let you know that we will be saying goodbye to two long-serving staff members in the coming days. Ann Denney, administrative secretary in the Department of Construction Management and Engineering is retiring effective July 2. Ann has been at NDSU since December 2004. In addition, Sheri Eberle, administrative assistant in the Dean's Office, has resigned effective July 6 to pursue a job in the health industry. Sheri has been in her role since January 2004. Please join me in thanking both Anne and Sheri for their many years of service to the College of Engineering and NDSU.

Finally, I'm pleased to announce that Professor Jerry Gao has been appointed as the department chair of Construction Management and Engineering. The appointment is for one-year, effective July 1, 2018, with the option of renewing for one additional year. I'm excited to continue to work with Jerry on the leadership team of the College of Engineering.



IN THE NEWS

[Two NDSU Players named to baseball all-academic team](#)

[NDSU engineering students awarded scholarships](#)

[Engineering student named first team Academic All-American](#)

[NATURE student puts sleep science to the test](#)

CONGRATULATIONS

Please let [College Happenings](#) know about honors, awards, new grants and other announcements so we can share them with other faculty and staff.

NEW HIRES

Dali Sun has been hired by the **Department of Electrical and Computer Engineering** as an Assistant Professor of Biomedical Engineering. Sun was one of our cluster hires for the grand challenge initiative of the Center for Engineered Cancer Test Beds. Sun is currently a postdoctoral research associate at Arizona State University. His first day at NDSU is December 31.

UPCOMING EVENTS

Thursday, June 28th, **the Pico Food Truck** will be serving lunch in the NDSU Research Park Cul-de-sac. 11:30 a.m. – 1:30 p.m.

Friday, August 17th, **NDSU Faculty Conference**. [Register here](#).

FUNDING OPPORTUNITIES

NSF: Major Research Instrumentation (MRI) – Limited Submission Program

[Limited submission grant programs](#) are those that indicate a limit on the number of proposals that may be submitted by an institution for a particular deadline. A selection process becomes necessary if more applicants express interest in applying than NDSU is allowed to submit to the grant program.

[NSF MRI : Notify RCA](#) by 9/5/2018 at 5:00 p.m. if you intend to apply.

The **Major Research Instrumentation (MRI)** Program serves to increase access to multi-user scientific and engineering instrumentation for research and research training in our Nation's institutions of higher education and not-for-profit scientific/engineering research organizations. An MRI award supports the acquisition or development of a multi-user research instrument that is, in general, too costly and/or not appropriate for support through other NSF programs. An MRI proposal may request support for either the acquisition or development of a research instrument.

- Track 1: Track 1 MRI proposals are those that request funds from NSF greater than or equal to \$100,000 and less than \$1,000,000. Two proposal submissions are allowed per organization.
- Track 2: Track 2 MRI proposals are those that request funds from NSF greater than or equal to \$1,000,000 up to and including \$4,000,000. One proposal submission is allowed per organization.

Application window: January 1-22, 2019.

RECENTLY SUBMITTED PROPOSALS

- Benjamin Delbert Brooks (PI). Developing a Trivalent, mRNA Subunit Vaccine with Sterilizing Immunity for Herpes Simplex Virus 2. \$95,700 from the National Institutes of Health. 07/01/2018 – 06/30/2023.
- Dilpreet Singh Bajwa (PI), Sreekala G Bajwa (CPI). Biobased Fire Retardant System for Thermoplastic Polymer Composites. \$235,180 from the National Institute of Standards and Tech. 01/02/2019 – 12/31/2021
- Dharmakeerthi Nawarathna (PI). Electric Fields Assisted Plasmon-enhanced Fluorescence for Point-of-care MicroRNA Detection in Serum: Improving the Five-year Survival by Ten-fold for Pancreatic Cancer Patients. \$412,932 from the National Institutes of Health. 01/01/2019 – 12/02/2020.
- Sreekala G Bajwa (CPI). EAGER SitS: Miniature Piezoelectric Fiber Sensors Monitoring Soil Properties. \$133,243 from the National Science Foundation. 01/01/2019 – 12/31/2020.
- Adam Curtis Gladen (PI). Using Solar-powered Cooling to Increase Trout Habitat and Refugia in Response to Warming Water Temperatures. \$81,804 from the SD Department of Game, Fish and Parks. 07/01/2019 – 07/01/2021.

RECENT PUBLICATIONS

For 2018, 57 publications by authors with the College of Engineering affiliation have appeared in various journals, according to the ISI Web of Science and submissions from faculty. Here are some of the most recent publications:

- Ahmed, Shabbir, and Chad A. Ulven. 2018. "Dynamic In-Situ Observation on the Failure Mechanism of Flax Fiber through Scanning Electron Microscopy." *Fibers* 6 (1): 17. <https://doi.org/10.3390/fib6010017>.
- Alcock, Mercedes, Shabbir Ahmed, Shawna DuCharme, and Chad A. Ulven. 2018. "Influence of Stem Diameter on Fiber Diameter and the Mechanical Properties of Technical Flax Fibers from Linseed Flax." *Fibers* 6 (1): 10. <https://doi.org/10.3390/fib6010010>.
- Al-Garadi, Mohammed Ali, Kasturi Dewi Varathan, Sri Devi Ravana, Ejaz Ahmed, Ghulam Mujtaba, Muhammad Usman Shahid Khan, and Samee U. Khan. 2018. "Analysis of Online Social Network Connections for Identification of Influential Users: Survey and Open Research Issues." *ACM Computing Surveys* 51 (1): 16. <https://doi.org/10.1145/3155897>.
- Ali, Mazhar, Kashif Bilal, Samee U. Khan, Bharadwaj Veeravalli, Keqin Li, and Albert Y. Zomaya. 2018. "DROPS: Division and Replication of Data in Cloud for Optimal Performance and Security." *IEEE Transactions on Cloud Computing* 6 (2): 303–15. <https://doi.org/10.1109/TCC.2015.2400460>.
- Chu, Xuefeng. 2018. "Quantifying Discontinuity, Connectivity, Variability, and Hierarchy in Overland Flow Generation: Comparison of Different Modeling Methods." In *Hydrologic Modeling*, edited by V. P. Singh, S. Yadav, and R. N. Yadava, 81:587–603. Singapore: Springer-Verlag Singapore Pte Ltd.

- Liu, Huazhong, Baoshun Liu, Laurence T. Yang, Man Lin, Yuhui Deng, Kashif Bilal, and Samee U. Khan. 2018. “Thermal-Aware and DVFS-Enabled Big Data Task Scheduling for Data Centers.” *IEEE Transactions on Big Data* 4 (2): 177–90. <https://doi.org/10.1109/TBDATA.2017.2763612>.
- Velmanickam, Logeeshan, Michael Fondakowski, and Dharmakeerthi Nawarathna. 2018. “Integrated Dielectrophoresis and Fluorescence-Based Platform for Biomarker Detection from Serum Samples.” *Biomedical Physics & Engineering Express* 4 (2): UNSP 025018. <https://doi.org/10.1088/2057-1976/aaa516>.
- Zhao, Baoyun, Dongyan Liu, Ziyun Li, Wei Huang, and Qian Dong. 2018. “Mechanical Behavior of Shale Rock under Uniaxial Cyclic Loading and Unloading Condition.” *Advances in Civil Engineering*, 9750480. <https://doi.org/10.1155/2018/9750480>.

College Happenings is distributed to the NDSU College of Engineering staff and faculty every other Tuesday.

Read past issues of *College Happenings* [here](#).

Deadline for submissions to *College Happenings* is 12:00 p.m. Fridays.

Contact kyle.bosch@ndsu.edu to submit items for *College Happenings*.

Follow the College of Engineering on social media.

