

# COLLEGE HAPPENINGS

June 12, 2018

## FROM THE DEAN

### A Lasting Impact

Last week I returned to Champaign, Illinois, to attend a memorial service for my Ph.D. advisor, Scott White. Professor White passed away at the early age of 55 after a long battle with ocular melanoma. He was a close mentor to me, and, as one of his early graduate students, I had a chance to experience firsthand the impact his own example of hard work, determination and contagious optimism had on those around him. His leadership inspired me to set the bar higher, to keep looking for the next big discovery and to persevere when it would be easier to quit. I wasn't alone, there was an outpouring of support by over 50 of his former graduate students and postdocs, who travelled from around the world for his "Celebration of Life" service.

As I reflected during my trip, I was reminded of celebrating with Professor White at my own hooding and graduation ceremony from the University of Illinois. The commencement speaker at my graduation ceremony was author and poet, Maya Angelou. She is quoted as saying "I've learned that people will forget what you said, people will forget what you did, but people will never forget how you made them feel." To me, that quote summarizes the lasting impact that Professor White had on so many of his students. He made them feel special and inspired them to be their best. I trust that we will do the same for our students at NDSU.



## IN THE NEWS

[Several College of Engineering researchers awarded funding](#)

[Engineering student-athlete earns all-district track and field recognition](#)

[Construction management degree ranked "best value"](#)

[Moore Engineering hires three](#)

[NDSU students in NASA robotic mining awards](#)

[NATURE program transforms students, educators](#)

[New chair of industrial and manufacturing engineering named](#)

## 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

**David Grewell** has been appointed Chair of the Department of Industrial and Manufacturing Engineering and awarded the Walter B. Booth Distinguished Professorship. Grewell, who was a professor at Iowa State University, will join NDSU on August 1.

## UPCOMING EVENTS

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

## DID YOU KNOW?

### Proposal Submission in Research.gov is Here

NSF is pleased to announce that since April 30, 2018, proposers may now prepare and submit full, research non-collaborative proposals in [Research.gov](#). The initial release of this new Research.gov capability runs in parallel with existing FastLane proposal preparation and submission capabilities, so proposers can choose to prepare and submit full, research non-collaborative proposals in Research.gov or in FastLane. Currently there is not a timeframe for full transition from FastLane to Research.gov, and both applications will operate concurrently.

More information can be found in the [NSF Proposal & Award Policy Newsletter](#).

## FUNDING OPPORTUNITIES

### Johnson & Johnson – WiSTEM<sup>2</sup>D Women Scholar Award Program

Johnson & Johnson created the [Scholars Award](#) for women pursuing advanced academic careers, to be given to six talented female assistant professors worldwide—each recipient representing one of the fields in the acronym STEM<sup>2</sup>D. It's the latest program to come out of the company's larger [Women in Science, Technology, Engineering, Math, Manufacturing and Design](#) (WiSTEM<sup>2</sup>D) initiative, which launched in 2015. Scholars Award winners each receive \$150,000 over three years to help fund research projects at their universities, along with mentoring from top Johnson & Johnson leaders and scientists.

*Applications accepted beginning September 1*

### Applications are now open for the NDSU Impact Fund.

**NDSU Impact Fund** provides funding for programs that have a direct and positive impact on the lives of students. Available to faculty, staff and recognized student groups, the NDSU Impact Fund is supported by contributions from alumni, parents, friends and Bison Bidders Bowl. The impact fund offers grants of \$20,000 to \$75,000 through the NDSU Impact Fund Grant Program.

Applications are encouraged from the entire campus community and may be submitted from any faculty, staff or recognized student organization. The application deadline is **Monday, July 23, 2018** at 4:00 p.m.

To learn more or apply visit the NDSU Impact page on the NDSU Foundation website:

<http://www.ndsufoundation.com/annualgiving/impact-fund>.

## RECENTLY FUNDED GRANTS

- Ying Huang (PI). CAREER: Intelligent Corrosion Mitigation Supporting System of Steel Structures with Instrumental Duplex Coating. \$499,964 from the National Science Foundation. 06/15/2017 – 06/14/2023.

## RECENTLY SUBMITTED PROPOSALS

- Kalpana Katti (PI). Next generation miRNA based markers for prostate cancer metastasis to bone. \$3,846,123 from the National Institutes of Health. 04/01/2019 – 03/31/2024.
- Yao Yu (PI). A Survey Study on the Real Needs of Low-income North Dakota Households. \$9,995 from the Consensus Council, Inc. 09/07/2018 – 06/01/2019.
- Scott W Pryor (PI), Nurun Nahar (CPI). Use of Pelleted Biomass to Reduce Pretreatment Severity. \$43,834 from South Dakota State University. 07/01/2018 – 06/30/2019.
- Zhibin Lin (PI). EAGER: Real-time: Real-time Predictive Analytics and Adaptive Network for Hotspots and Evolution Bifurcation Detection in Energy Transportation Systems. \$209,496 from the National Science Foundation. 10/01/2018 – 09/20/2020.
- Yao Yu (PI), Yan Zhang (CPI), Qifeng Zhang (CPI). A Novel Dual Purpose Solar Collector Design (Phase II). \$75,000 from the Environmental Protection Agency. 02/01/2019 – 01/31/2021.
- Akm Bashir Khoda (PI). Development of interlayer ink-material for transient liquid phase bonding to join wide gap wire-bend node in lattice structure. \$428,464 from the Department of Defense. 01/01/2019 – 12/31/2021.
- Xiangfa Wu (PI). DOE-EERE: High-volume Single-step Method for Integrated Membrane Electrode Assembly (IMEA) Manufacture. \$399,750 from the Department of Energy. 10/01/2018 – 09/30/2020.

## RECENT PUBLICATIONS

For 2018, 49 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:

- Chu, Xuefeng, Xinhua Jia, and Yang Liu. 2018. “Quantification of Wetting Front Movement under the Influence of Surface Topography.” *Soil Research* 56 (4): 382–95. <https://doi.org/10.1071/SR17071>.
- Ji, Zhengjia, Wanyue Luo, Keke Zhou, Shuen Hou, Qifeng Zhang, Jiangyu Li, and Hongyun Jin. 2018. “Effects of the Shapes and Dimensions of Mullite Whisker on the Friction and Wear Behaviors of Resin-Based Friction Materials.” *Wear* 406 (July): 118–25. <https://doi.org/10.1016/j.wear.2018.03.018>.
- Pandey, Pankaj, Sreekala Bajwa, and Dilpreet Bajwa. 2018. “Fiber from DDGS and Corn Grain as Alternative Fillers in Polymer Composites with High Density Polyethylene from Bio-Based and Petroleum Sources.” *Journal of Polymers and the Environment* 26 (6): 2311–22. <https://doi.org/10.1007/s10924-017-1108-0>.

*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](mailto:kyle.bosch@ndsu.edu) to submit items for *College Happenings*.

Follow the College of Engineering on social media.



