

ENGINEERING CHANGE

Quarterly update highlighting the School of Engineering's signature projects and achievements during the past four months.

As students prepare for final exams, the School of Engineering took some time to look back at a busy and successful academic year. With the pandemic, the past year has not been without its challenges, but together the School of Engineering has persevered highlighted by research and academic successes.

At the end of March, the School announced the recipients of its 2019-20 Faculty and Staff Awards of Excellence. The awards, delayed as a result of the pandemic, were presented virtually at an all-School virtual meeting. In announcing the awards, Executive Associate Dean Rehan Sadiq emphasized how inspired he has been over the past year by the efforts and determination of School of Engineering's students, staff, faculty, and partners. "Every member of our community has made an important contribution that epitomizes the resourcefulness and focus of our School."

The awards are presented annually to both faculty and staff in a variety of categories including: Faculty Service Excellence (Kenneth Chau and Sabine Weyand with honourable mentions to Ian Foulds and Jannik Eikenaar), Faculty Teaching Excellence (Dean Richert and Mehran Shirazi with honourable mentions to Lukas Bichler, Yang Cao, and Jonathan Holzman), Faculty Emerging Academic (Sepideh Pakpour and Mohammad Zarifi with honourable mention to Alexander Uhl), Faculty Educational Leadership Excellence (Yang Cao and Jannik Eikenaar), Staff Service Excellence (Kayla Soriano, Chris Seib, and Sam Charles). The 2020-21 awards will be presented in June.

Other campus-wide awards were also announced this past month including the Golden Apple Awards (presented by Campus Health). Drs. Mina Hoorfar, Peyman Yousefi and Mehran Shirazi were both recognized for their efforts in 2020/21. The Golden Apple Awards are a student-led initiative to acknowledge teachers that support wellbeing in the academic environment. Dr. Shirazi was also awarded an "I am Accessible" award presented to UBC Okanagan faculty who exemplify the qualities of an inclusive educational institution. He is also the recipient of a 2021 Canadian Federation of Engineering Students Association (CFES) Appreciation Award.

Dr. Julian Cheng was awarded the 2021 UBC Okanagan Researcher of the Year

Award (NSERC category). The award recognizes and celebrates excellence in research and creative scholarly activity at UBC Okanagan. The Awards Reception will take place in May.

Dr. Rehan Sadiq was named a UBC Distinguished Scholar. The prestigious program recognizes members of UBC Faculty who have distinguished themselves as exceptional scholars.

Visit engineering.ok.ubc.ca for program details & collaborative research opportunities

SCHOOL OF ENGINEERING LEADERSHIP TEAM

- Rehan Sadiq - Executive Associate Dean
- Mina Hoorfar - School Director
- Yang Cao - Associate Director, Undergraduate Studies
- Sumi Siddiqua - Associate Director, Graduate Studies
- Lukas Bichler - Associate Director, Research and Industrial Partnerships
- Rudolf Seethaler - MEng Coordinator
- Dwayne Tannant - Civil Engineering Program Chair
- Julian Cheng - Electrical Engineering Program Chair
- Dimitry Sediako - Mechanical Engineering Program Chair
- Homayoun Najjaran - Manufacturing Engineering, Program Chair
- Colin Wilson - Director, Research and Industry Partnerships (250-317-7688)

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UBC Engineering - Okanagan (Group)



THE UNIVERSITY OF BRITISH COLUMBIA

School of Engineering

Faculty of Applied Science
Okanagan Campus

ENGINEERING CHANGE REPORT

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Researchers find a new use for waste

Waste materials from the pulp and paper industry have long been seen as possible fillers for building products like cement, but for years these materials have ended up in the landfill. Now, researchers at UBC Okanagan are developing guidelines to use this waste for road construction in an environmentally friendly manner.



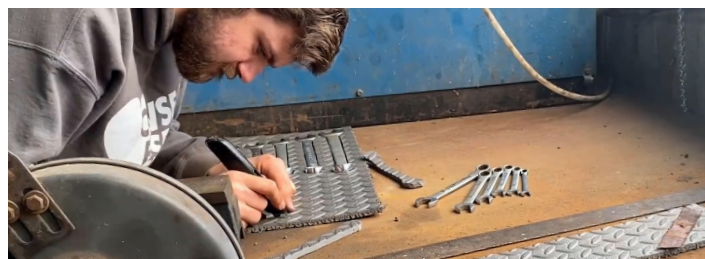
CSCE recognizes two School of Engineering faculty

Professors Rehan Sadiq and Kasun Hewage are among a group of civil engineers being celebrated in 2021 for their election as Fellows into the Canadian Society for Civil Engineering. CSCE Fellowship recognizes a candidate's career achievements, contributions to civil engineering, and their demonstrated leadership within CSCE and the profession.



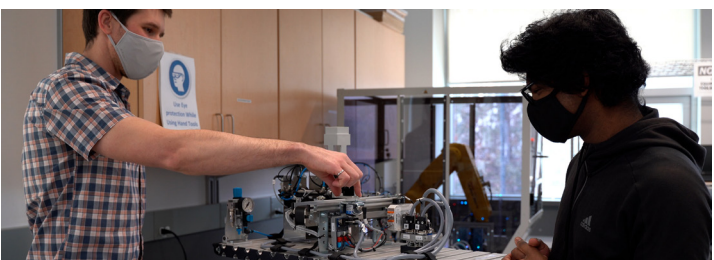
Developing a better battery

Researchers at the Advanced Materials for Energy Storage Lab develop zinc-ion battery. With increasing global efforts to adopt clean energy, developing sustainable storage systems, such as zinc-ion batteries, has become a major challenge in getting electric vehicles on the road and integrating intermittent renewable energy resources into the grid.



Bringing lean manufacturing concepts to life

Manufacturing Engineering students are taking advantage of learning high-level production management skills in MANF 270. MANF270, Production Management course, provides students with hands-on opportunities to put lean manufacturing concepts related to increasing productivity into action.



Micro-credential program in full swing

UBC Okanagan launches a micro-credential program in industrial automation. Skills in Industrial Automation, offered through the School of Engineering, brings together theory with hands-on practice enabling participants to use industry-standard tools to learn about and develop automated systems.



Province partners with SOE to uncover COVID solutions

The BC Ministry of Health is investing in BC Interior research universities to understand the harmful effects of COVID-19 and mitigate its impact on communities across the province. Professors Jian Liu and Abbas Milani are working with UNBC to improve the lifespan of nanofibres and activated carbon mats in N95 masks.

For the latest information related to COVID-19 and the School of Engineering visit engineering.ok.ubc.ca/covid-19/. For UBC-wide updates, FAQs and resources, visit ubc.ca. For UBC Okanagan-specific updates, visit ok.ubc.ca/covid19.

engineering.ok.ubc.ca

