



ENGINEERING CHANGE

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

At the beginning of September, UBC Okanagan's School of Engineering officially opened its labs within the Innovation Precinct One Building (IP1) at 1540 Innovation Drive. The 24,400 sq. ft. collaborative research space, shared between the School of Engineering and the Faculty of Creative and Critical Studies, will facilitate innovation and collaboration with predominantly materials and manufacturing researchers and their industry partners.

IP1 is also home to the Western Economic Diversification funded CleanTech Hub, led by Professor Lukas Bichler. The hub promotes clean technologies that convert carbon-based additive and components into new and sustainable products. Alongside the hub is a multi-faceted Hydrogen-enrichment research initiative that includes several distinct projects that range from blending and combustion to materials, applications, and safety.

The School of Engineering will hold its annual 14 Not Forgotten event on December 6, 2021 at the new memorial art installation outside the EME Building. The community-funded installation is a new permanent memorial to the young women who lost their lives during the 1989 École Polytechnique massacre in Montreal. The interactive public art piece was created by multidisciplinary Indigenous artist and UBC Okanagan Creative Studies Assistant Professor Tania Willard and Berlin-based Syilx Nation artist Krista Belle Stewart.

In January, the Manufacturing Engineering program will host a Canadian Engineering Accreditation Board (CEAB) review committee as part of its first accreditation cycle. The CEAB accredits Canadian undergraduate programs in engineering, and ensures continual improvement of engineering education. UBC Okanagan engineering programs are among the 279 accredited engineering programs at 44 higher education institutions across Canada.

Design teams and clubs are back, and in many cases (following COVID guidelines) with in-person activities. A full list of these groups is available at <https://engineering.ok.ubc.ca/student-resources/clubs-associations/> or <https://www.engsoc-ubco.com/clubs>. Among the upcoming design team activities, Concrete Toboggan is starting preparations to host the Great Northern Concrete Toboggan Competition in 2023 at Big White Ski Resort.

Engineers Canada recognized two School of Engineering faculty earlier this Fall for their "noteworthy service to the engineering profession." Drs. Stephen O'Leary and Rehan Sadiq were named Engineers Canada Fellows. Both are active researchers and educators who have helped establish the School of Engineering as one of the fast-growing and innovative engineering programs in Canada. To learn more about Engineers Canada Fellowships visit <https://engineerscanada.ca/>

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

SCHOOL OF ENGINEERING LEADERSHIP TEAM

Rehan Sadiq - Executive Associate Dean
Lukas Bichler - School Director *pro tem*
Yang Cao - Associate Director, Undergraduate Studies
Sumi Siddiqua - Associate Director, Graduate Studies
Joshua Brinkerhoff - Associate Director, Research and Industrial Partnerships
Rudolf Seethaler - MEng Coordinator
Zheng Liu - Civil Engineering Program Chair
Julian Cheng / Thomas Johnson - Electrical Engineering Program Chair
Dimitry Sediako - Mechanical Engineering Program Chair
Homayoun Najjaran / Dean Richert - 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



Post-doctoral fellow wins prestigious award

An innovative new coating for face masks as earned Dr. Seyyedarash Haddadi the Mitacs & NRC-IRAP Award for Commercialization. Haddadi, who works alongside Dr. Mohammad Arjmand, has developed a new compound that has a greater than 99-percent effectiveness as an antimicrobial fabric coating.



Academic Services has a new home

School of Engineering's Academic Services has a new home in UNC207. Appointment can be booked online at <http://pdportal.apsc.ubc.ca> (to meet with an Advisor either in-person or virtually). Full listing of services provided by School of Engineering Academic Services is available at <https://soeadvising.ok.ubc.ca>



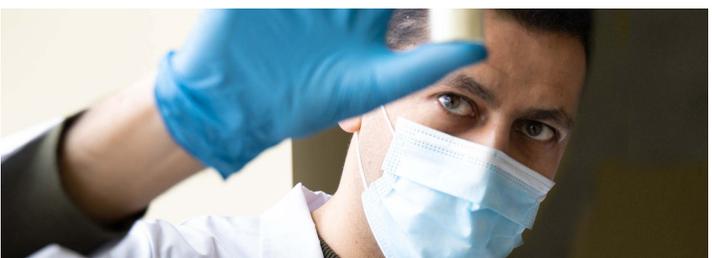
New water quality assessment technique is a game changer

School of Engineering research team develops a water footprint-based assessment tool that takes into account many factors and evaluates the contribution of deteriorating drinking water quality on national and global water footprints. With such a broad viewpoint, the approach is able to identify the impacts of nearly every possible contaminant.



Projects-to-Classrooms (P2C) program takes flight

A newly launched research initiative called Projects-to-Classrooms (P2C) is giving students the opportunity to work on real-world industry projects under the supervision of School of Engineering faculty. Positions are manufacturing-based and paid. Five initial projects have been earmarked for the first phase of the program.



Polymer Processing Society Recognition

Assistant Professor & Canada Research Chair (Tier 2) in Advanced Materials and Polymer Engineering Mohammad Arjmand has been awarded the 2021 Early Career Award by the Polymer Processing Society at the 36th Annual International Conference of the PPS hosted in late September.



Wilden Living Lab recognized with Sustainability Award

The Wilden Living Lab (WLL) was recently awarded the 2021 EGBC Sustainability Award for its on-going success in empowering stakeholders to make climate-action decisions that achieve sustainable outcomes. The WLL, a pioneering research initiative, investigates sustainable homebuilding through support from NSERC and Mitacs.