

Engineering Advancement Trust

Report to Donors 2017



UNIVERSITY OF SASKATCHEWAN

College of Engineering

ENGINEERING.USASK.CA



Thank you for supporting the Engineering Advancement Trust (EAT). Your generosity helps to ensure our talented, hard-working College of Engineering students receive an industry-leading undergraduate education, with access to updated learning spaces and state-of-the-art laboratory equipment.

Donating to the EAT is a proud tradition of our engineering alumni. We appreciate the important role our past students play in enhancing the educational experience of current and future students. In total, the EAT has provided nearly \$3.5 million to upgrade and replace laboratory equipment for undergraduate students.

We know that today's students will be tomorrow's engineers. Supporters like you are making a profound impact on the future of the profession in Saskatchewan, Canada and beyond. From everyone at the College of Engineering, thank you again for your generosity and support in 2017.

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“Interaction with our EAT partners has helped me to better understand that the act of donating is a tangible engagement with our college in the spirit of community. It serves to connect the donor with our mission and gives them the opportunity to participate in a community that has been, and continues to be, significant for them. It is one form of the practice of partnership.”

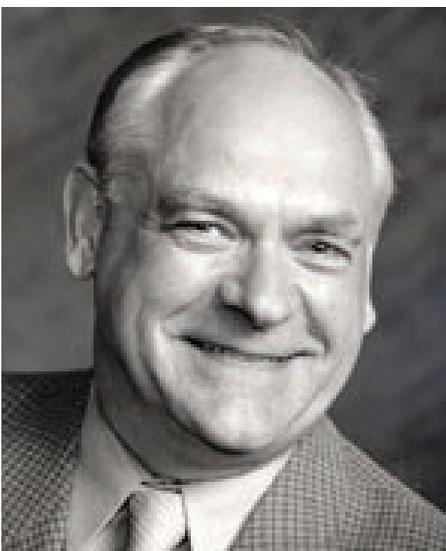
Donald J. Bergstrom, PhD, P.Eng, Interim Dean
College of Engineering



“Our EAT is a strong demonstration of the generations of commitment from alumni to their college—from recent graduates, who may commit to giving a small amount every year, to other alums who have been giving to this fund annually for several decades. This fund has provided countless opportunities for the college to modernize labs and improve the quality of our students’ thorough education.”

Suzanne Kresta, PhD, P.Eng, F.E.C., Dean
College of Engineering

“ I have never forgotten my prairie roots and especially the connection that I have with the college.”



“We, as alumni and former students, have benefited from the generosity and legacy of previous alumni who have supported this most worthy cause. Support of this program allows us to give back to the college, certainly; but, most importantly, it helps current College of Engineering students. When thinking about how much students must invest in their education, I can’t help but feel a responsibility to assist in providing them with every opportunity to get ahead. I have never forgotten my prairie roots and especially the connection that I have with the College of Engineering at the U of S.”

Russel Renneberg (BE '76), P.Eng, FCSCE, FEC, FGC (Hon.)
Engineering Advancement Trust Chair

“ We have a strong tradition of alumni support for the college that benefited every one of us. That tradition lives on.”



“The EAT provides alumni the opportunity to continue to support the college through the provision of cutting-edge equipment and technology, ensuring the highest calibre of students continue to be developed at the college. We have a strong tradition of alumni support for the college that benefited every one of us. That tradition lives on in us—the alumni—ensuring continued support for the college today and tomorrow.”

Blair Hockley (BE '96), P.Eng
Calgary EAT Fundraising Committee Chair

2016-17 at a glance

\$549,000

EAT DOLLARS SPENT

14

PROJECTS FUNDED

8

**Engineering disciplines impacted: chemical, civil,
computer, electrical, environmental, engineering
physics, geological and mechanical**

Updates on EAT projects

Pignat BMV/300 Heat Exchangers

The unit will be used to study heat transfer processes—replacing the outdated heat exchange systems that currently use a large amount of resources.

UV Spectrophotometer DR6000

This is used to measure chemical oxygen demand, a fundamental test for environmental engineering students.

Benchtop Direct Shear Apparatus

This equipment has changed a demonstration lab designed to illustrate the testing and measurement of the frictional strength of soils to a hands-on experience allowing undergraduate students to attempt the experiments themselves.

Internet of Things Lab Stations

This lab provides students with a better understanding of how the Internet works, how to add connectivity to their designs and how to include real-time applications to their designs.

Instrumentation Lab Enhancement

This enhancement is appreciated by students because it gives them the opportunity to work with equipment that is similar, or identical, to what they may use in the field.

Coherent Optics System for Optical System Design

The system provides students with previously inaccessible experience and training with compact semiconductor diode laser sources and a number of key pieces of optical instrumentation for high-precision measurement and characterization of material properties.

First Year Pasco Truss Laboratory

This equipment has had a positive impact on first-year engineering students by introducing a laboratory that ties engineering theory to engineering practice.

“ I love problem-solving and figuring out how things work. I like to take things apart when they break and try to fix them.”

“I want to become an engineer because I love problem-solving and figuring out how things work. I like to take things apart when they break and try to fix them. So far, in my experience at the U of S, I have been able to pursue this and continue to learn every day about the how the world works—and the knowledge that I have accumulated is very applicable to the real world.

My future goal is to work to move the world forward. My dream is to be on the front edge of innovation and pushing humanity forward.

I want donors to know that their investments improve the student experience and that their contributions are appreciated by all of the engineering students at the U of S.”



Robert Ashton
President
Saskatoon Engineering Students' Society

“ This is a formative and important time in their lives—and we want to give them every support and opportunity we possibly can.”



“Our undergraduate engineering students are amazing. They juggle six or more classes, volunteer, collaborate on extra-curricular projects and get up and do it all over again. This is a formative and important time in their lives—and we want to give them every support and opportunity we possibly can, to ensure we are continuing to provide the industry with graduates who are technically exceptional and who have a strong prairie work ethic.”

Emily Bocking

Senior Major Gifts Officer, Institutional Priorities
University Relations, U of S



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