



McGill | Engine

8TH ANNUAL
CELEBRATION
OF INNOVATION &
ENTREPRENEURSHIP

McGill Engine Centre,
McGill University
3450 University St. Room 5
Montreal, QC H3A 0E5



McGill

Faculty of
Engineering



INNOVOBOT



Our event sponsor is Innovobot, thanks to their generosity we are able to host our annual Celebration of Innovation and Entrepreneurship which highlights and celebrates our emerging technologically-based business ideas and start-ups at the Faculty as well as our technology innovators.

Innovobot is a Montreal based company that is fostering innovation across industries for the benefit of society.

THE WILLIAM AND RHEA SEATH AWARDS SUPPORT INNOVATIVE RESEARCH AT THE FACULTY OF ENGINEERING. THEY WERE MADE POSSIBLE THROUGH THE GENEROSITY OF ALUMNUS, THE LATE WILLIAM SEATH, (BENG'52). THE AWARDS RECOGNIZE OUTSTANDING WORK BY ENGINEERING, ARCHITECTURE AND URBAN PLANNING STUDENTS AND PROFESSORS WHO CONDUCT INNOVATIVE RESEARCH WITH POTENTIAL FOR COMMERCIALIZATION.

2021-2022 WILLIAM & RHEA SEATH AWARDS REVIEW COMMITTEE

Neal Gordon, (BEng'83 in Chemical Engineering McGill, PhD MIT), is currently managing director at BDO. Previously he was chief development officer at Cobalt Biomedicine a life-science start-up founded by Flagship Venture Labs. Neal is a serial entrepreneur in the life sciences with product development and operating roles across research tools, therapeutics and diagnostics. He is a hands-on leader with a strong record of technology innovation and translation of platform technology into products.

Praveen Prasanna, (BEng'96 and MEng'98 in Chemical Engineering McGill, PhD Tufts), is a global leader with a track record of successfully leading cross functional (multi-site) teams in business-critical initiatives. He has extensive experience in managing and effectively working with development (CDMO), manufacturing (CMO), distribution, and testing partners worldwide to ensure an uninterrupted supply chain. He draws from a deep knowledge of current approaches to process development and process validation, including application of QbD, DOE, FMEA, and risk analysis to ensure robust manufacturing processes.

Raffi Afeyan, (BEng'08 in Chemical Engineering McGill, Ph.D. and M.S. in Biomedical Engineering Boston University), joined Flagship as a Principal in 2021. He works as part of a team of entrepreneurial scientists exploring innovative ideas, developing the science, intellectual property, and business strategy that form the foundation of breakthrough startups and operationalizing them through their early stages. Before joining Flagship, Raffi held a variety of roles within Flagship ecosystem companies.

Professor Benoit Boulet, (B.Eng'90 Université Laval, MEng'92 McGill, Ph.D'96 University of Toronto all in Electrical Engineering, P.Eng and SMIEEE), is the Director of the McGill Engine, the Associate Vice-Principal of Innovation and Partnerships at McGill's Office of the Vice-Principal of Research and Innovation, and a Professor in the Department of Electrical and Computer Engineering. He is a registered Professional Engineer in the province of Québec. Professor Boulet's research areas include the design and control of electric vehicles and green energy systems, robust control of biomedical systems, and robust industrial control. He has co-founded two deep-tech startups and is actively working on applying his research outputs as part of the innovation process in order to make a difference and create positive change in the world.



Rhea and William Seath

2021-2022 WILLIAM & RHEA SEATH AWARDS INNOVATION WINNERS

Professor Sara Mahshid and Dr. Roozbeh Siavash Moakhar
(Bioengineering)

Project Title

SALIVERA: A Fully Automated Molecular Testing Device for Rapid Detection of Viral RNA

Summary

This technology consists of a device for very rapid diagnostic and serological testing in response to urgent needs in the COVID-19 pandemic. The portable and automated electrical acquisition can be coupled to a smartphone, using a smartphone application that can receive the electrical data and interpret the data into reading signals for a digital display. Our approach is cost-effective and does not require skilled operators. The William and Rhea Seath Award (WRSA) will support the fabrication cost of one unit of industrial design of SALIVERA with the aim of testing the device in a hospital -the last critical step before regulatory approval and commercialization.

Professor Allen Ehrlicher, Ajinkya Ghagre Dr. Ali Amini, Johanan Idicula and Professor Ramaswamy Krishnan
(Bioengineering, Forces Canada and Harvard Medical School)

Project Title

Pattern Based Contractility Screening In Drug Discovery

Summary

Cells exert contractile forces, and defects therein are fundamental to diverse pathologies including cardiomyopathies, skeletal myopathies, vasospasm, bronchospasm, and cancer migration, invasion and metastasis. In each of these disease contexts, novel drugs with the potential to modulate cellular contractile forces that ameliorate disease symptoms or progression are urgently sought. Nevertheless, there are no pre-clinical, clinical, or industrial methods for quantifying the forces exerted by cells. To bridge this gap, we have created a simple and efficient methodology of contractile quantification which we call Pattern-based Contractile Screening (PaCS). We are commercializing PaCS as a new screening technology that uses cell contractility to identify and characterize novel potential therapeutic compounds while eliminating false positives early in the drug process, thus potentially saving billions of dollars, years of effort, and human lives associated with defective drug candidates.



2022 ISSUED PATENTS

| TITLE | PATENT | INVENTORS |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------|
| Graphene oxide/cellulose nano-crystal or nano-fiber nanocomposite hydrogels (foam/sponge) with exceptional mechanical properties as advanced sorbents for water treatment applications | US 11,305,258 | Nathalie Tufenkji, Kerwin Wong, Nariman Yousefi, Zeinab Hosseinidou |
| Architecture for guessing random additive noise decoding (GRAND) | US 11,381,260 | Warren Gross |
| Methods and systems relating to photochemical water splitting | US 11,484,861 & CA 2,992,052 | Zetian Mi *; Songrui Zhao; Hieu Pham Trung Nguyen |
| Two speed dual stage planetary transmission with seamless flow of power during gearshift by using two clutches | CA 2,893,535 | Mir Saman Rahimi Mousavi; Hossein Vahid Alizadeh; Benoit Boulet *; Ali Pakniyat |
| Layered and spinel lithium titanate processes for preparing the same | IN 391237 | George Demopoulos, Hsien-chieh Chiu, Karim Zaghib, Abdelbast Guerfi |



NATURAL SCIENCES & ENGINEERING RESEARCH COUNCIL OF CANADA\ (NSERC) GRANT

NSERC ALLIANCE GRANT

Alliance grants encourage university researchers to collaborate with partner organizations, which can be from the private, public or not-for-profit sectors. These grants support research projects led by strong, complementary, collaborative teams that will generate new knowledge and accelerate the application of research results to create benefits for Canada.

Professor Michael Jemtrud (Peter Guo-hua Fu School of Architecture)

Project Title

ReCONstruct: Building Energy Retrofit Solutions for Canada

Summary

A new Chair in Architecture, Energy, and Environment in the Peter Guo-hua Fu School of Architecture, supported by funding and in-kind contributions that total over C\$6 million, funded by the NSERC Alliance program – the largest grant awarded in Quebec – with primary support from Hydro-Québec, and the Quebec Ministry of Energy and Natural Resources.

Building Energy Retrofits are known to be among the most effective means available to reduce operational emissions, but the sheer scale of the task has been a considerable obstacle. The program plans to leverage strengths in architecture, engineering, computer science, planning, and management to develop a digital tool set – the ReCONstruct platform – and to implement the research and development efforts in a series of pilot projects that will inform the research. The research will become the basis for a scalable turn-key solution that reconfigures conventional procurement, finance, and legislative structures as well as design, manufacture, and construction workflows for mass retrofitting Canada's existing building stock.

NATURAL SCIENCES & ENGINEERING RESEARCH COUNCIL OF CANADA (NSERC) GRANT

IDEA TO INNOVATION GRANT

The objective of the NSERC Idea to Innovation (I2I) Grants Program is to accelerate the pre-competitive development of promising technologies originating from colleges and universities and promote their transfer to new or established Canadian companies. These highly competitive I2I Grants provide funding to college and university faculty members to support R&D projects with recognized technology transfer potential and are co-written with the university technology transfer managers.

Professor Mohamed Meguid (Civil Engineering)

Project Title

Lab2Market Program - Machine Learning Based Tool to Predict Possible Failure Type of Oil and Gas Pipelines

Summary

The oil and gas pipeline infrastructure market suffers from continuous pipeline failure events which is caused by different factors. Quantifying failure events of oil and gas pipelines in real- or near-real-time facilitates a faster and more appropriate response plan. Hence, the aim of this proposal is to develop a data-driven pipeline failure assessment product, which incorporates artificial intelligence technology and utilizes publicly available failure databases.

Professor Nathalie Tufenkji (Chemical Engineering)

Project Title

I2I Phase 1- Low-Cost Sustainable Fibrous Materials as a Disruptive Technology for Water Treatment

Summary

The overall goal of the research is to demonstrate the scalability of our technology with the aim to convince licensing partners to pursue commercialization. We will focus on demonstrating the safety, scalability and performance of metal-grafted fibers at pilot-scale. This research will generate valuable data to prove the commercial viability of our invention for the global water treatment industry. The work will be undertaken with the support of several municipal and industrial partner organizations. This will allow McGill University and the partner organizations to fully assess the potential of the technology and to proceed accordingly towards commercialization.

Professor Sebastian Wachsmann-Hogiu (Bioengineering)

Project Title

Lab2Market Program - Novel portable biosensor for uric acid detection via electrochemiluminescence

Summary

In our lab we developed a novel portable biosensor for uric acid detection via electrochemiluminescence. The product includes a sensing platform based on a complementary metaloxide semiconductor (CMOS) chip, a reader, and a vial of reaction buffer to mix with the target sample for chemiluminescence reaction. It can be used to track the level of uric acid and monitor for early signs of gout.

Professor Changhong Cao (Mechanical Engineering)

Project Title

I2I Phase 1- Examine to enhance the mechanical sustainability of thin-film structures

Summary

Based on our previous development, we are proposing to develop a novel monolithic MEMS tailored for mechanical characterizations of 2DM films in situ SEM/TEM, which can be produced at a significantly lower cost than the unicorn product on the market. The MEMS-based system can also be conveniently adapted to enable characterizations of other properties of 2DM devices (e.g., electrical, mechano-electrical, thermal, etc.) in the future to work as a 'multi-meter' for 2DM-based devices. The estimated market size of testing equipment for 2DM-based devices is projected to be ~\$2.2 billion in 2028, which made our work attractive to major Canadian distributors (Hitachi), MEMS manufacturers (C2MI), and end-users (UofT).



NATURAL SCIENCES & ENGINEERING RESEARCH COUNCIL OF CANADA (NSERC) GRANT (CONT'D)

**Professor Corinne Hoesli and Hugo Level
(both Chemical Engineering)**

Project Title

I2I Phase 1- Versatile Surface Treatment Platform to Create Cell-Specific Biocompatible Implants or Cell Culture Systems

Summary

We have created a versatile surface modification platform to improve how cells interact specifically with materials. Our patent-pending technology (PCT application) relies on surface immobilization of antibodies and peptides in unique but swappable combinations. We are exploring the application of this technology both to implanted medical devices that contact blood such as stents, but also on cell culture plastics. By the end of the I2I project, we aim to augment and validate our technology in real world scenarios to better address cell culture customer needs.

**Professor Daniel Varro, Sebastian Pilarski,
(both Electrical and Computer Engineering)
and Slawomir Pilarski**

Project Title

I2I Phase 1- Multi-Armed Bandit Technologies for Automated Inventory Management and Pricing Decisions in Food Retail

Summary

Due to small profit margins, market success in the food retail industry relies upon careful planning. Artificial intelligence (AI) has driven recent innovations in data acquisition and demand forecasting, but decision-making is still dominated by human expertise. The main objective of decision-making is to maximize profits while minimizing operational costs and increasing sustainability. One key feature of the food retail industry processes is that of “delay” (e.g., shipment delays, food expiration due to overstocking) which makes manual optimization particularly challenging. Our vision is to exploit artificial intelligence technology to assist and improve decision-making with human-in-the-loop supervision for simultaneous inventory and pricing optimization. By the end of this I2I project, we aim to provide this technology as a cloud-based or on-premises software service ready for use by food retailers and distributors.

TECHACCEL GRANTEES

TECHACCEL

TechAccelR Grants support professors in the Faculty of Engineering to accelerate their research-based ideas that are reported as inventions but need further validation prior to commercialization. These grants come out of the Faculty of Engineering Innovation Fund, which is funded by charitable gifts from alumni and other community donors. They are available throughout the year and can go up to \$15,000 per project.

Professor Changhong Cao (Mechanical Engineering)

Project Title

'Multimeter' of the nano-age: a cost-effective system for multi-physics characterizations of ultrathin structures

Summary

As silicon-based electronics have almost reached their physical limitations, the class of ultra-thin structures (i.e., atomically thin two-dimensional materials (2DM)) is one of the most promising alternative building blocks due to their superior physical properties for next-generation electronics (e.g., photodetectors, field-effect transistors, solar cells). Our patent-pending technology, a single-chip micro-electromechanical system (MEMS) has significant advantages over the one product currently on the market.

Professor Sebastian Wachsmann-Hogiu and Dr. Juanjuan Liu (both from Bioengineering)

Project Title

On-Chip Chemiluminescence Biosensor for Food Safety

Summary

Pathogenic contamination of food is one of the major issues for foodborne illness. Hence, food safety inspection and quality control with food pathogen detection is of significance. Commonly used techniques for food pathogen detection include culture-based methods and nucleic acid-based methods such as PCR. These techniques are time-consuming, tedious, and are highly demanding for laboratory consumables and equipment. Our proposal is aimed at the identification and quantitation of food pathogens using our novel chemiluminescence technology.

Professor Natalie Reznikov (Bioengineering), Professor Julia Cohen Levy (Orthodontics), Professor Joyce Fung (School of Physical & Occupational Therapy) and Dr. Alexei Morozov (Design Engineer)

Project Title

A feasibility study of the effect of high-frequency vibration on mandibular posture through hyoid bone-anchoring

Summary

Sedentary lifestyle is a new reality of modern times, and it is harmful to human health in many ways – "sitting is the new smoking." In particular, habitual stooping posture of the neck and the abnormally tucked-in position of the lower jaw lie at the root of temporomandibular joint (TMJ) disorders and obstructive sleep apnea. While these conditions are not life-threatening, they are painful, and reduce quality of life in 1 person out of 10. We have designed a non-invasive physiotherapy device for the correction of a habitually poor posture of the mandible to alleviate dental clenching, TMJ disorders and neck pain, and to improve airway patency.



TECHACCEL GRANTEES (CONT'D)

Professor Corinne Hoesli (Chemical Engineering), Jonathan Brassard (Biological and Biomedical Engineering), Professor Richard Leask (Chemical Engineering), and Professor Steven Paraskevas (Surgery)

Project Title

Vascularized bioartificial pancreas for the treatment of diabetes

Summary

Insulin injections is the current treatment for diabetes but fails to eliminate the related health risks associated with periods of hypo and hyperglycemia. We have developed an encapsulation device that can both protect the cells from the immune system and allow the graft to regulate blood glucose through insulin secretion, opening the market to the 100 million people needing insulin worldwide (\$30 billion annual market). The TechAccelR Grant will help us validate our device in an ex vivo perfusion system, enabling us to prepare for a future pilot study in large animals.

Professor Daniel Varro, Sebastian Pilarski, (both Electrical and Computer Engineering); and Slawomir Pilarski (Versyn)

Project Title

Optimizing Sequential Decision-Making (A/B Testing)

Summary

Sequential decision-making such as A/B testing is commonly required across many modern industries. Optimizing such decisions is often at the core of business success. Today, most businesses rely upon time-consuming and suboptimal manual processes. More sophisticated businesses make use of existing optimization solutions such as reinforcement learning multi-armed bandit algorithms. Existing automated solutions provide very poor decisions when decision feedback is delayed. We have developed state-of-the-art multi-armed bandit methodologies for optimizing sequential decision-making in the presence of delay.

INVENTION TO IMPACT TRAINING PROGRAM

The Invention to Impact (I-to-I) Training Program uses experiential learning to help McGill graduate students and their faculty supervisors gain insight into:

- technology commercialization
- entrepreneurship
- industry requirements and challenges

I-to-I provides tools and training to support researchers to translate their fundamental research to the marketplace and have their solutions benefit society. This Quebec government-supported program imparts an evidence-based methodology that students and professors can use for the rest of their careers, and it also enables the transformation of inventions to impact.

Spring 2022 Teams:

Professor Corinne Hoesli, Jonathan Brassard (Ph.D student), and Michael Chuang (MBA student)
(Chemical Engineering, Biological and Biomedical Engineering and Desautels Faculty of Management)

Project Title

Rezo Biomedicals, "A biomedical device that can be filled with insulin producing cells and vascularized to create a connection with the recipient's blood circulation."

Professor Codruta Ignea and Zimo Jin (Ph.D student)

(both in Bioengineering)

Project Title

Ginsenosides, "Modifying the yeast membrane composition to generate a plant-like yeast cell factory to improve the production of plant-origin fine chemicals."

Professor Theo G.M. van de Ven and Mohammadhadi Moradian (Ph.D student)

(both in Chemistry)

Project Title

TreeMaTech, "Production of sustainable straws from cellulose films"

Fall 2022 Teams:

Professor Svetlana Komarova, Hossein Poorhemati (Ph.D student)

(Dental Medicine and Oral Health Sciences and Biological and Biomedical Engineering)

Project Title

Dental Caries Assist, "An application of mineralization models to determine the progression of dental caries lesion and to combine it with clinical information to develop clinical treatment assistive tool."

Professor Shirin Enger, Hossein Jafarzadeh (Ph.D student), Yujing Zou (Ph.D student) and Sebastien Quetin (Ph.D student)

(Medical Physics Unit and Biological and Biomedical Engineering)

Project Title

RapidBrachyMCTPS, "An Open-Source Brachytherapy Treatment Planning System"

Professor Odile Liboiron-Ladouceur and Dr. Dusan Gostimirovic (Postdoc)

(both Electrical and Computer Engineering)

Project Title

PreFab AI Photonics, "A machine learning model that predicts nanofabrication errors and variations so that designers can verify their circuits without a costly and lengthy prototyping cycle"

Professor Kirk H. Bevan and Yee Wei Foong (Ph.D student)

(both Mining and Materials Engineering)

Project Title

Quantus, "An energy storage device via a new mechanism that can store as much energy as batteries but charge 2-10 times faster"

TECHACCEL

The TechAccel program helps students jump-start their technologically based ideas that have business potential and social impact. Teams develop their entrepreneurial skills through an online training platform, one-on-one business mentorship and project funding (grant stage) for product, process, or service development. These grants come out of the Faculty of Engineering Innovation Fund, which is funded by charitable gifts from alumni and other community donors.

Aicessible

Michael Bitz (Mechanical Engineering)
Kurt Stadlwieser
Owen Stadlwieser

AwakeAI

Lulan Shen
(Electrical and Computer Engineering)
Ruofeng Li (Electrical and Computer Engineering)

Brighten

Nathan Leuranguer
(Mechanical Engineering)
Kieyan Mamiche Afara
(Electrical & Computer Engineering)
Neel Faucher (Electrical & Computer Engineering)
Philippe Mandeville
(Electrical & Computer Engineering)

Commit Education

Edgar Dagenais-Martin
(Mechanical Engineering)
Doha Elhaoua (Medicine)
Daniel-Jiajun Yu
(Pharmacy)

Helios Gen

Timothy Delorme (Electrical Computer and Software Engineering)
Thomas Dormart
(Electrical & Computer Engineering)

Hitch

Aniket Raj (Mechanical Engineering)
Venkata Satyanarayana Chivatam (Electrical & Computer Engineering)

Ikei

Minh Tran (Electrical & Computer Engineering)
Gabriele Capilli (Mining and Material Engineering)

Inspire

Laurence Liang (Mechanical Engineering)
Ken Johnson (Computer Science)

Lodavo

Luke Freund (Electrical and Software Engineering)
Benjamin Thomas (John Molson School of Business)

Mediate Health

Rahul Atmanathan
(Mechanical Engineering)
Alexander Gruenwald
Chelsea Wright

ODIN Health

Aayush Bhat
(Bioengineering)
Shayan Soleymani
Samuel Poncet

PreFab AI Photonics

Dr. Dusan Gostimirovic
(Electrical & Computer Engineering)
Prof. Odile Liboiron-Ladouceur (Electrical & Computer Engineering)

Project LiveGuard

Eduard Anton (Electrical & Computer Engineering)
Frédéric Jarjour (Computer Science)

RADAR

Anaëlle Draï Laguéns
(Electrical & Computer Engineering)
Noah Caulonque
(Entrepreneurship, Retail and Environment)
Agnes D'Ivernois (Strategy and Finance)
Camille Longuet
Mathilde Arnoux

Reviv

Adam Rajguru (Mining & Materials Engineering)

SealDeal

Bashar Eskandar (Electrical & Computer Engineering)
Athanas Bakleh (Electrical & Computer Engineering)

Someone

Moh Sadri (Electrical & Computer Engineering)
Ali Rouzbayani
(Biomedical/Medical Engineering)

Urban Turbine

Satish Kumar Tumulu
(Mining and Materials Engineering)
Veronica Rodrick
(Mechanical Engineering)
Abhishek Nayani
(Mechanical Engineering)
Vamsi Madhav Tata
Akhil Francis
(Mechanical Engineering)



ENGINE DOBSON PRIZE

ENGINE DOBSON PRIZE

The McGill Engine Prize is offered to support a technologically-based venture competing in the final round of the McGill Dobson Cup competition. To be eligible for the McGill Engine Prize in the McGill Dobson Cup, at least one team member must be a current full-time student or professor at McGill's Faculty of Engineering and the venture must be technologically-based. Teams competing for this prize pitch to the McGill Engine team. The winning team was awarded \$2,500 and announced during the Dobson Cup Awards online ceremony which took place on March 30, 2022.

ENGINE DOBSON PRIZE WINNER

Brighten

Brighten is a new tech start-up focused on providing Canadians with personalized, accessible, and comprehensive solutions for developing routines that support mental wellness and facilitate the management of winter depression.

Nathan Leuranguer (Mechanical Engineering)
Kieyan Mamiche Afara (Electrical & Computer Engineering)
Neel Faucher (Electrical & Computer Engineering)
Philippe Mandeville (Electrical & Computer Engineering)



STARTUP INTERNSHIP PROGRAM

STARTUP INTERNSHIP PROGRAM

Thanks to our generous alumnus donor John D. Thompson, the McGill Engine continued to offer the Startup Internship Program to our students as an experiential learning opportunity within our startups over the summer. Four McGill affiliated startups were selected to train and supervise an intern for 12 weeks.

The selected interns were from the faculties of Arts, Engineering and Management and each of them had the opportunity to collaborate in person and remotely with both the startup and a mentor at the Engine Centre to ensure a well rounded learning experience during the internship.

The interns are listed below each startup.

Freely

Amanda Kaplan (B.A. Computer Science),
Digital Marketing Intern

ScienceReach

Anabelle de Cabrol (B.Com Marketing), Community
Engagement Intern

Brighten Health

Himel Saha (B.Eng Electrical and Computer Engineering), Software
Development Intern

Ora-3D

Nikhil Jebesh Moses (B. Eng Electrical Computer and Software Engineering),
IOS/Android App
Development Intern



2022 IAN MCLACHLIN PRIZES FOR ENTREPRENEURSHIP IN ENGINEERING

The prizes were established in 1998 by Ian McLachlin, B.Eng. 1960, to encourage students in the Faculty of Engineering to undertake new ventures with business or social impact potential. They are awarded to students enrolled in the Faculty of Engineering with high academic standing who have begun, have made progress towards, or have completed an entrepreneurial project with business or social impact potential.

Jonathan Brassard

(Biological and Biomedical Engineering, Ph.D student)

Venture Name

Rezo Biomedicals

Summary

A biomedical device and process that facilitates device design and integration of both immunoprotection and vascularization of cell therapy products

and

Lulan Shen

(Electrical and Computer Engineering, Ph.D student)

Venture Name

AwakeAI

Summary

An AI-based solution to improve care quality and address staff shortages at seniors' homes and CHSLDs.



2022 CANSBRIDGE-ENGINE FELLOW

The scholarships offer up to two entrepreneurially-minded undergraduate students enrolled in McGill's Faculty of Engineering entry into The Cansbridge Fellowship and provide the necessary resources to live and work in Asia over the summer as well as a weeklong bootcamp and conference in San Francisco.

The Cansbridge Fellowship has partnerships with top-tier Canadian universities in order to offer a unique experience to their most ambitious, high-impact students. It aims to create a community of young Canadian professionals who share a love for adventure and entrepreneurship and will become the leaders of tomorrow.

Laurence Liang
(B.Eng. Mechanical Engineering)

ABOUT MCGILL ENGINE

The McGill Engine Centre in the Faculty of Engineering, focuses on stimulating and supporting technologically-based innovation and entrepreneurship at McGill University in collaboration with the McGill Dobson Centre for Entrepreneurship and the Office of Innovation and Partnership.

THE ENGINE CENTRE NEEDS YOUR SUPPORT!

CALL FOR VOLUNTEERS

Volunteers are an essential part of the university community; your participation and financial support are key elements in ensuring that coming generations of students achieve their goals.

WE ARE LOOKING FOR

- 01 TechAccel Mentors
- 02 Guest Speakers & Judges
- 03 WRSAs Proposal Reviewers

[LEARN MORE HERE!](#)

FINANCIAL SUPPORT

The Faculty of Engineering Innovation Fund lies at the heart of Engine's mission of encouraging entrepreneurial and innovative thinking. The fund supports team-based innovative projects through the TechAccel grants that help students to jump start and accelerate technologically based ideas that have business or social impact potential.

The Innovation Fund is being supported by alumni:

Jim & Barbara Brodeur (B.Eng. 1956)
Ian Mclachlin (B.Eng. 1960)
Pasquale Di Pierro (B.Eng. 1976)
Fonex Data Systems Inc.
The Anna & Louis Viglione
Foundation (B.Eng. 1978)
Michael Barski (B.Eng. 1968)
Mark Levine (B.Eng. 1991)

Arthur Levine (B.Eng. 1961)
Howard Stotland (B.Eng. 1966)
Robert Walsh (B.Eng. 1965)
Leon Fattal (B.Eng. 1962)
Eng Class of 1980
Eng Class of 1976
Eng Class of 1966

The Innovation Fund needs your support through:

1. An annual contribution
2. A named endowment within the Innovation fund
3. Online donation to the Faculty of Engineering Innovation Fund

For more information please contact:

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