ANNUAL REPORT

SEPTEMBER 1, 2022-AUGUST 31, 2023

DRIVING INNOVATION SINCE 2013

McGill | Engine

Message from the
Associate Director

It is with pride and happiness that we reflect on a decade of commitment and support to fostering innovation, nurturing the entrepreneurial mindset and culture, and empowering our students and professors to solve real-world problems. Going back to that first key donation from the late William Seath and our first awards, the William and Rhea Seath Award in Engineering Innovation given to two research teams in 2013 to boost the commercialization of their research, to where we are today with numerous experiential learning programs, project funding, training, events, connecting with industry, advising and coaching, and personalized business mentorship. Over the years, we have grown and transformed, and are now part of an active ecosystem of creativity, innovation, and entrepreneurship at McGill. Since our inception, our missions of serving our students, professors, and companies through a wide range of resources and programs have been important in order to achieve the vision of value creation to all stakeholders, by driving innovation. I invite you to read more about our milestones in this report. None of what we have done and continue to do would be possible without the support and strength of our benefactors, partners, the Engine team, and our entrepreneurial-minded members. We look forward to continuing to grow and develop to better serve our McGill community. Thank you for your support and here's to another decade of fostering technological innovation, nurturing the entrepreneurial mindset, and empowering the next generation of innovators.

Katya Marc, M.Eng., MBA
Associate Director, McGill Engine

"

In our world of accelerating change, today's solutions can be obsolete tomorrow. By driving innovation and developing an entrepreneurial mindset, **our ultimate goal is to solve real-world problems** in order to meet society's needs, and doing so in a responsible manner.

"

Message from the Director

What we have seen over the last ten years is a sharp rise in entrepreneurial ventures and culture both on campus and in Montreal. With the aim of addressing the most pressing problems – both locally and globally – McGill Engine has provided the space and resources to promote creativity, diverse perspectives, research and industry connections, and mindful solutions. I am infinitely grateful for our generous donors and volunteers that have been supporting McGill Engine through funding opportunities, guest lectures, and student mentorship; for our partnerships within McGill, such as with the Office of Innovation and Partnerships, the Dobson Centre, and the Engineering Career Centre, as well as those outside the University; and of course, for our outstanding team. Thank you all for contributing to the success of the Centre, and for sparking the innovative spirit of our students and researchers. A special thanks also to the Chwang-Seto families for their recent gift, which will help further Engine's impact and growth. It has been an honour to work with each of you this last decade, and I am eager for the collaborations that lie ahead.

Benoit Boulet, Ph.D., P.Eng., SMIEEE
Director, McGill Engine

Message from the Dean

It is my honour to join as Dean as McGill Engine celebrates its ten-year anniversary. Having been a professor in the Department of Chemical Engineering since 2004 where I was also Chair for five years, I've seen first-hand the immense impact Engine – with its incredible staff, benefactors, volunteers, alumni, and partners – has had on supporting the entrepreneurial acumen and innovative drive of our students and researchers. In addition, it has been invigorating to witness how the Centre and its programs have helped develop and fortify collaborations across McGill. Our goal is to continue to bolster an interdisciplinary Engine community, providing more opportunities to inspire future innovators and changemakers both within the Faculty of Engineering and beyond. Thank you, and congratulations to all who have made the past ten years possible – I look forward to what the next ten years will bring.

Viviane Yargeau, ing., Ph.D.
Dean, Faculty of Engineering

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About
McGill Engine

The McGill Engine Centre in the Faculty of Engineering focuses on encouraging and supporting technological innovators and entrepreneurs across McGill University in collaboration with the Office of Innovation and Partnerships and the McGill Dobson Centre for Entrepreneurship.

TIMELINE

2013

Founding Gift from
William M Seath (B.Eng'52)

2016

TechAccel Grant launched

2019

Opening of the physical centre

2022

Gift from the Chwang-Seto families

VISION

For the McGill Engine community to make a positive impact and contribute value to the innovation and entrepreneurial ecosystems, locally, regionally, nationally, and worldwide.
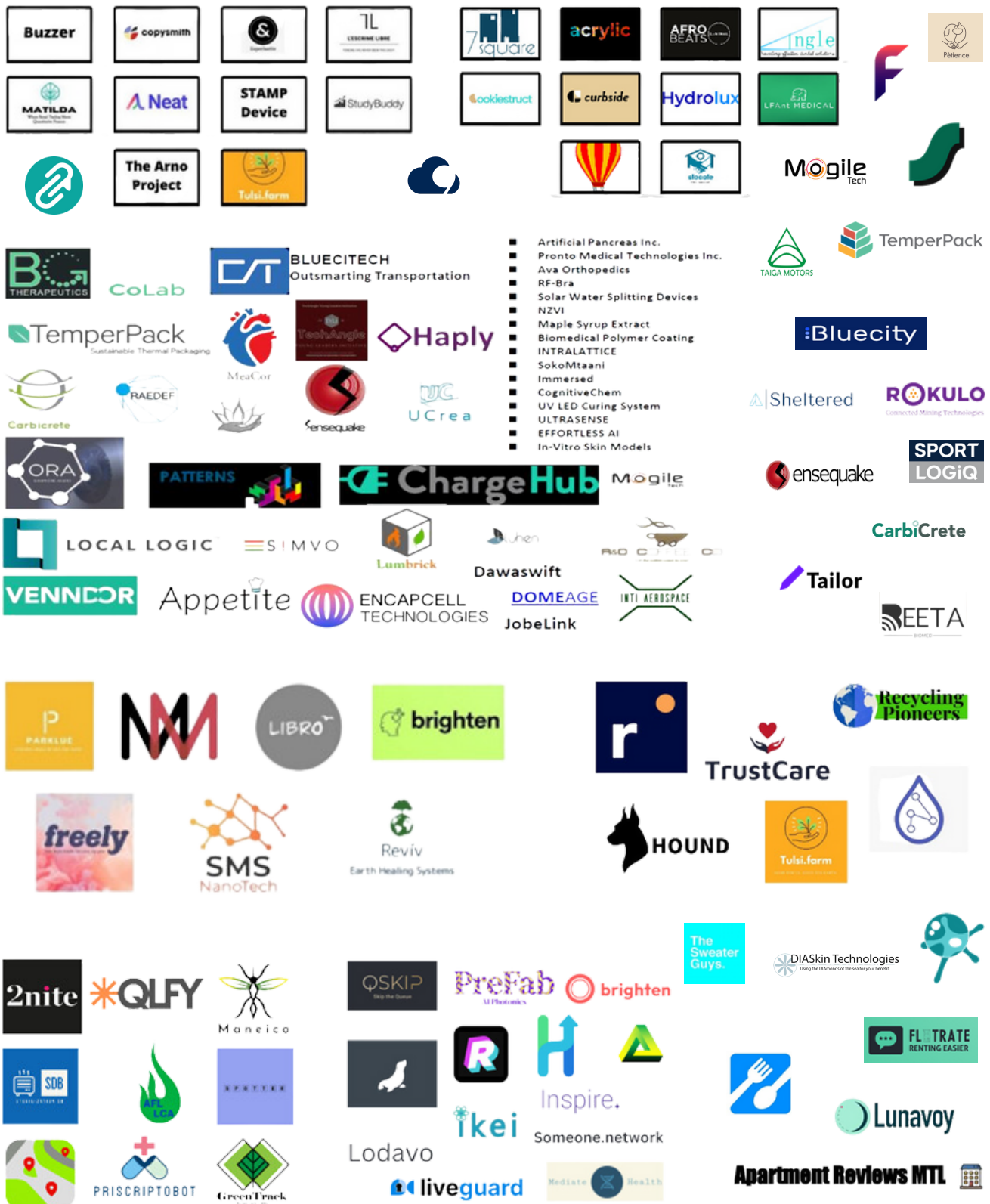
MISSIONS

- Helping to develop the next-generation of entrepreneurially-minded McGill technological innovators by providing training & experiential learning programs, advising & coaching, project funding, and business mentorship.

- Promoting and accelerating the commercialization of inventions and software through funding, coaching, and connections.

- Increasing engagement and R&D collaborations between innovation-driven companies and the Faculty of Engineering by providing matching and facilitation services.

VALUES

CURIOSITY Questioning the status quo and trying to better understand the world around us

COLLABORATION Promote sharing and involvement of everyone to achieve common goals

COMMUNITY Caring about each other, staying involved, and giving back

DETERMINATION Persevering even when encountering difficulties or failures, believing you can be a positive change agent

SUSTAINABILITY Working in a way that integrates social, economic, and environmental dimensions equitably within the limits of a finite planet

ENGINE SUPPORTED VENTURES

Buzzer · copysmith · & · 7L L'ESCRIME LIBRE · 7square · acrylic · AFRO BEATS · Ingle · Pêtience

MATILDA · Neat · STAMP Device · StudyBuddy · Cookiestruct · curbside · Hydrolux · LFAnt MEDICAL

The Arno Project · Tulsi.farm · slocale · Mogile Tech

B THERAPEUTICS · CoLab · BLUECITECH Outsmarting Transportation · Artificial Pancreas Inc. · TAIGA MOTORS · TemperPack

TemperPack Sustainable Thermal Packaging · TechAngis · MeaCor · Haply · Bluecity

- Artificial Pancreas Inc.
- Pronto Medical Technologies Inc.
- Ava Orthopedics
- RF-Bra
- Solar Water Splitting Devices
- NZVI
- Maple Syrup Extract
- Biomedical Polymer Coating
- INTRALATTICE
- SokoMtaani
- Immersed
- CognitiveChem
- UV LED Curing System
- ULTRASENSE
- EFFORTLESS AI
- In-Vitro Skin Models

Carbicrete · RAEDEF · ensequake · UCrea · Sheltered · ROKULO Connected Mining Technologies

ORA · PATTERNS · ChargeHub · Mogile Tech · ensequake · SPORT LOGiQ

LOCAL LOGIC · SIMVO · Lumbrick · Dawaswift · R&O CHARGE CO · CarbiCrete

VENNDOR · Appetite · ENCAPCELL TECHNOLOGIES · DOMEAGE · JobeLink · INTL AEROSPACE · Tailor · BEETA

PARKLUE · NM · LIBRO · brighten · r · TrustCare · Recycling Pioneers

freely · SMS NanoTech · Reviv Earth Healing Systems · HOUND · Tulsi.farm

2nite · QLFY · Maneico · QSKIP Skip the Queue · PreFab AI Photonics · brighten · The Sweater Guys · DIASkin Technologies

SDB · AFL LCA · SPOTTER · R · H Inspire. Someone.network · ikei · FLATRATE RENTING EASIER · Lunavoy

PRISCRIPTOBOT · GreenTrack · Lodavo · liveguard · Mediate Health · Apartment Reviews MTL

ENGINE IMPACT

SINCE OUR BEGINNING IN 2013 TO AUGUST 2023

$1.4M+   IN GRANTS, AWARDS, PRIZES, STIPENDS & FELLOWSHIPS AWARDED

6650+   ATTENDEES AT OVER **280** EVENTS, SEMINARS & WORKSHOPS

1600+   STUDENTS & PROFESSORS ADVISED/COACHED

390+   PROJECT APPLICATIONS REVIEWED

240   PROJECTS/VENTURES SUPPORTED

1K+   COMPANY INTERACTIONS FOR R&D COLLABORATION

ANNUAL IMPACT

SEPTEMBER 2022 TO AUGUST 2023

$240K +	**66**	**46**
IN GRANTS, AWARDS, PRIZES, STIPENDS, AND FELLOWSHIPS AWARDED	PROJECT APPLICATIONS REVIEWED	AWARDED PROJECTS
318	**148**	**771**
STUDENTS & PROFESSORS ADVISED/COACHED	COMPANY INTERACTIONS	ATTENDEES AT 55 EVENTS, SEMINARS & WORKSHOPS

ENGINE TEAM

PROF. BENOIT BOULET
P.Eng., Ph.D., SMIEEE
Director

KATYA MARC
M.Eng., MBA
Associate Director

DR. VIVIAN DINIZ
Ph.D. Eng.
Business Development Officer

Joined McGill Engine Centre in 2019

XIANGMIN KONG
M.Ed.
Programs and Communications Associate

Joined McGill Engine Centre in 2021

DITI SHAH
B.A.
Coordinator

Joined McGill Engine Centre in 2023

RONALD CHWANG ENTREPRENEURS-IN-RESIDENCE

The McGill Engine's four Ronald Chwang Technical Entrepreneurs-in-Residence are available for advising and coaching to help students and faculty members get to the next level with their technologically based idea or project. They also mentor several of our TechAccel teams and Invention to Impact teams.

DR. MICHAEL AVEDESIAN
Eng., Ph.D., FCAE, FCIC

Joined McGill Engine Centre in 2013

DR. ANDREW CSINGER
B.Eng, Ph.D, IDP-C

Joined McGill Engine Centre in 2018

ROGER TAMBAY
B.Sc., MBA, BCL/LLB

Joined McGill Engine Centre in 2022

DERRICK WONG
M.Sc., MBA

Joined McGill Engine Centre in 2022

> The TechAccel program was an incredible learning experience for my entire team and the **1-on-1 sessions with our mentor were really helpful in clarifying how we should market our product**.
>
> The mentorship really helped us when having to make difficult decisions and be confident in them.
>
> I learnt a lot from my mentor **in both the technical and business sides**.

ADVISING & COACHING

In addition to the Ronald-Chwang Technical Entrepreneurs-in-Residence, Katya Marc, the Associate Director of the McGill Engine Centre, also advises and coaches students and professors. She offers drop-in hours for students and faculty members who have questions about technological entrepreneurship and innovation, want feedback on their business ideas, are looking for connections with other resources, potential partners, and investors, or want advice on anything relating to entrepreneurship or innovation.

66	**252**	**935**
PROFESSORS ADVISED & COACHED	STUDENTS ADVISED & COACHED	ADVISING & COACHING SESSIONS

INDUSTRY PARTNERSHIPS

As part of our mission of increasing engagement and R&D collaborations between innovation-driven companies and the Faculty of Engineering, our team had 148 interactions with companies through matching and facilitation services. Our Faculty of Engineering professors brought in the following funding:

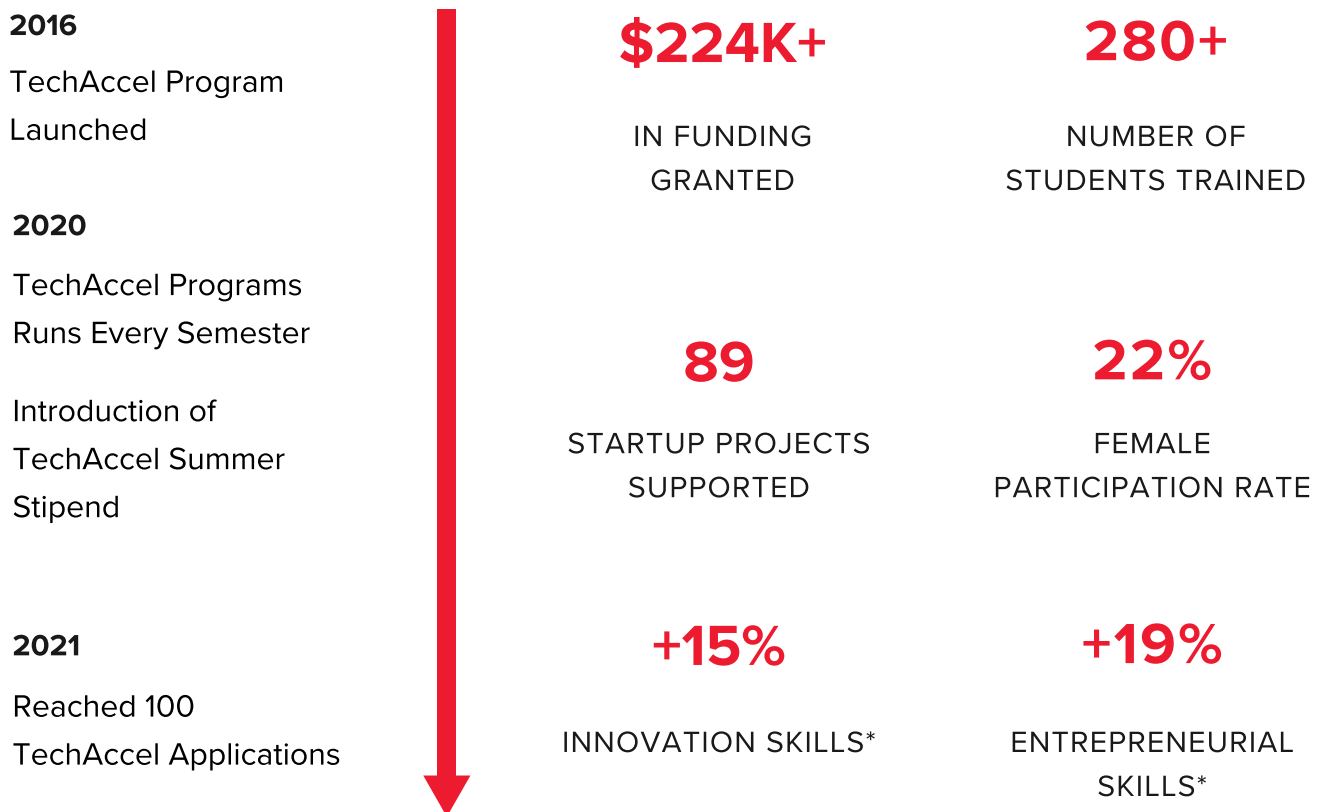| **$4.9M**	**$8.1M**	**$2.5M**
R&D FUNDING FROM INDUSTRY	FUNDING FROM NSERC PARTNERSHIP PROGRAMS	MITACS PROJECT FUNDING

Funding and Programs

In addition to providing business mentorship, tools, and training to support students and professors in translating their ideas and fundamental research to the marketplace, the McGill Engine Centre provides funding for project implementation. There are several funding programs for faculty members, undergraduate students, graduate students, and postdoctoral researchers.

TECHACCEL PROGRAM

The <u>TechAccel Program</u> helps students jump-start and accelerate their technologically based ideas that have business or social impact potential. Teams develop their entrepreneurial skills through a seven-part online training platform and one-on-one business mentorship and project funding for product, process, or service development. The program allows participants to define the core purpose of their startup, clarify their vision to their team and potential investors, speak with actual stakeholders to help test the team's hypotheses, and have the opportunity to present an overview of the startup venture in a convincing and clear way as part of a succinct pitch presentation (TechAccel Showcase). This program allows student participants to receive CCR recognition as it is an approved Enriched Educational Opportunities (EEO) program. The grants come out of the Faculty of Engineering Engine Innovation Fund, which is funded by charitable gifts from alumni and other community donors.

Program impact since 2016

2016

TechAccel Program Launched

2020

TechAccel Programs Runs Every Semester

Introduction of TechAccel Summer Stipend

2021

Reached 100 TechAccel Applications

$224K+

IN FUNDING GRANTED

280+

NUMBER OF STUDENTS TRAINED

89

STARTUP PROJECTS SUPPORTED

22%

FEMALE PARTICIPATION RATE

+15%

INNOVATION SKILLS*

+19%

ENTREPRENEURIAL SKILLS*

*Based on self-efficacy surveys from 2019 to Summer 2023

TechAccel Program

25

STUDENT PROJECTS SUPPORTED

83

STUDENT INNOVATORS &
ENTREPRENEURS TRAINED

67%

STUDENT PARTICIPANTS FROM
FACULTY OF ENGINEERING

60%

VENTURES ARE ACTIVE

2nite is a social-ticketing platform that facilitates the organization and discovery of events by bridging the gap between social media and ticketing platforms.

Aiccessible started off doing data driven consulting in a variety of industries and has recently shifted our focus towards the oil and gas industry, and specifically fracking. We aim to leverage data and machine learning to make fracking safer, smarter, and sustainable by providing data-backed consulting to optimize fracking projects by minimizing risk and increasing productivity.

Brighten Health is building the first mental health management platform that bridges access to personalized help for seasonal affective disorder, by targeting its clinically proven causes.

Ensemble: Business founders often have great ideas, but many lack the technical expertise to execute them, especially in the early stages of their ideas. While hiring a consultant is a viable solution, the associated cost is often expensive, another possibility is finding a CTO, which will be difficult without traction, and might require a high equity package. Finally, hiring interns, although more affordable, will require technical management to bring value to the idea. At Ensemble, we bridge the gap between founders and their tech ideas. We translate the business ideas that non-technical founders have into tangible requirements, and connect them to developer teams tailored to their needs through our platform.

Freely is a for-profit startup on a mission to make sexual wellness more accessible than ever. We are building a one-stop-shop website that empowers anybody to make informed decisions and design the perfect product for them. By leveraging AI and additive manufacturing, Freely offers completely custom sex toys that are as unique as you are.

Fulcra uniquely targets chronic lower back pain, a leading musculoskeletal issue. Their orthotic device uses intra-abdominal pressure to stabilize the spine, supporting the wearer during movement without developing dependencies.

GreenTrack is a not-for-profit B2B lifecycle analysis software platform. The data platform tracks the environmental impact of products throughout their value chain, from farming to packaging to shipping, to help downstream buyers make informed decisions about the sustainability score of their upstream vendors.

Hitch is an online application-based service that has the aim to make backpack travelling seamless, comfortable and most importantly safe for everyone. Travelers will be able to hitch rides as well as use the features like hosting, guesting, rides etc. with almost zero dollars. With extra features of creating and joining various social events, travelers will be able to give rides and host other backpackers as well.

Ikei aims to provide a low-cost, high-precision nutrient monitoring system for more efficient use of water and nutrients in hydroponic agriculture, and reduction of waste-water release. Typically, after multiple growth cycles, the nutrients in a hydroponic system become imbalanced, forcing growers to flush their system to prepare a new water culture. By monitoring the system's nutrient content, nutrient water can be recycled through rebalancing, reducing costs and reducing waste.

Inspire is a 3D-printed robotic arm that can diagnose 8 different respiratory conditions with 2x better accuracy than doctors, at 10 cents per patient, in less than 60 seconds. Because respiratory diseases are among the top 10 causes of fatalities worldwide, with the majority of fatalities occurring in developing regions (~4 million annually), this robotic arm will be distributed to clinics in these areas in order to provide affordable and accessible diagnostics.

Lodavo aims to make banking more fun and exciting to improve the financial situation of Canadians. We hope to encourage people to save more money by offering the possibility of winning large rewards.

Lottus is a B2B software startup that aims to innovate the ticketing industry by enabling tokenized ticket issuance for a wide range of events and services. Our platform caters to diverse ticketing needs, such as concerts, sporting events, and much more. Leveraging blockchain infrastructure, Lottus ensures secure, efficient, and user-friendly ticket management while storing the tokenized tickets within a unique link that can be conveniently sent via SMS or email.

Maneico is a natural, sustainable, and eco-friendly mosquito repellent using mangrove leaf extract that targets disease-carrying mosquitoes.

Mediate Health strives to become a trusted source for Americans seeking health related services. We provide users with price transparency nationwide along with a recommendations portal that helps make preventative care more approachable.

Multi-Agent Delivery System (MADS) is a general indoors delivery multi-agent autonomous system of robots that is intended for use in warehouses as part of the logistics process in particular.

Pak Energy: The deployment of renewable energy systems, such as solar and wind power, is hindered by the intermittency of these energy sources. As such, efforts must be made to provide a clean, efficient, and scalable energy storage solution to mitigate this problem. Current technologies present important shortcomings: a low energy density preventing easy scalability, a limited duration of energy storage, and safety issues. At Pak Energy, we propose an energy storage system based on iron powders that can address all the mentioned problems.

PreFab AI Photonics: The goal of this venture is to bring to the market our research on using machine learning to predict and correct for nanofabrication errors and variations in integrated photonic circuits. (Silicon) photonics brings the speed of light to applications such as high-performance quantum and neuromorphic computing, self-driving vehicles, biomedical sensors, and high-capacity data centers. Despite its huge potential as a transformative technology, silicon photonic circuits are extremely sensitive to small errors and variations that arise from the nanofabrication process and are therefore limited by their low reliability. We have developed a machine learning model that predicts nanofabrication errors and variations so that designers can verify their circuits without a costly and lengthy prototyping cycle. Furthermore, our model can automatically correct designs to minimize the predicted variations and to increase the level of performance. We plan to sell our models and software to research groups, photonic circuit manufacturers, and nanofabrication facilities, where we believe our models have the potential to become an invaluable component in the design and analysis process.

Project LiveGuard provides a real-time video and audio processing AI cloud service to edit and protect the streaming content of online content creators.

RADAR aims to help people discover cities and easily find places to suit their immediate restaurants and bars desires. The users will indicate their criteria (cost, location, types of food, atmosphere, etc.) in an interactive way, using the swipe right/left functionality.

SUMMER STARTUP INTERNSHIP PROGRAM

The McGill Engine continued to help provide mentorship and learning experiences for McGill students over the summer. Six McGill Faculty of Engineering-affiliated startups were selected to train and supervise an intern over the summer. The intern positions were filled by McGill University undergraduate students within the Faculty of Engineering and Faculty of Arts. The interns had the opportunity to collaborate remotely or in-person with both the startup and a mentor at the Engine Centre to ensure they had a well-rounded learning experience over the summer.

Thanks to our generous alumni donors John D. Thompson and Engineering Class of 1980, we were able to continue with our Startup Internship Program to provide our students with an experiential learning opportunity within our startups over the summer.

Program Impact Since 2020

2020

Launch of the Summer
Startup Internship Program

2023

Launch of the Jim Nicell Summer
Startup Internship Award

670+

INTERN APPLICATIONS RECEIVED

$138K+

IN STIPENDS AWARDED TO 27 INTERNS

❝

My internship provided a front-row seat to the world of market research and startup dynamics. I learned to navigate a competitive industry, gaining insights that inspire my passion for entrepreneurship.

Tessa Soh
Marketing Intern @ Rezo Biomedicals

Engine made it super easy to find the perfect candidate from many highly educated and driven engineering students. With Engine's mentorship and support, our summer intern was able to get started quickly and make significant contributions to the success of our startup.

Dusan Gostimirovic
Co-Founder @ PreFab AI Photonics

❞

Summer Startup Internship Program
Startup and Intern Summary

ANTHONY BOUSTANY

Developer Intern
@ elleFA

elleFA is focusing on three components to improve endometriosis care: (1) screening for endometriosis biomarkers indicative of the disease with an at-home rapid test kit (2) tracking biomarkers, symptoms, and intervention responses over time with an app and (3) connecting doctors and patients by providing quantitative screening results and qualitative symptom in a user friendly and relevant format. Our goal is to speed up the diagnosis process and improve patient's quality of life by helping them find customized treatment solutions.

MICHELLE CHEN

Marketing Intern
@ Maneico

Maneico is a natural, sustainable, clean, safe and highly effective mosquito repellent using mangrove leaf extract to repel all species of mosquitoes.

JAMES DARBY

Inaugural J.Nicell Summer
Startup Internship Program
Awardee
Machine Learning Intern
@ PreFab Photonics

PreFab AI Photonics is a startup venture that specializes in the use of modern machine learning methods to predict and correct nanofabrication errors in photonic integrated circuits.

Summer Startup Internship Program
Startup and Intern Summary (cont.)

ZUHAIR MESAM SALWATI
Full-Stack Developer Intern
@ Live Cell Technologies

Live Cell Technologies Canada provides consulting and turn-key solutions for implementation cell contractile force measurements by selling consumable cell culture plates and licensing software. Contractile force measurement platforms from Live Cell Technologies Canada offer simplified and rapid cellular force measurements, which provides clients with unprecedented insight into cell health, function, and response to candidate compounds. This clarity decreases the cost, time, and risk in preclinical trials pharmaceutical screening.

TESSA SOH
Marketing Intern
@ Rezo Biomedicals

Rezo Biomedicals is a young startup venture working towards improving treatment for type 1 diabetes. With our novel biofabrication technology, we have built a biomedical device that can be filled with insulin producing cells and vascularized to create a connection with the recipient's blood circulation. Once transplanted, our vascularized bioartificial pancreas will be able to provide physiological insulin delivery thanks to the encapsulated cells.

AMY QI WANG
Marketing Intern
@ Capcyte Biotherapeutics

Capcyte Biotherapeutics is a McGill spin-off founded in 2022 by chemical engineers and bioengineers with one core mission: bridging the gap between cells and surfaces.

INVENTION TO IMPACT TRAINING PROGRAM

The McGill Engine started the Invention to Impact (I-to-I) Training Program in Fall 2021, thanks to funding from Ministère de l'Enseignement supérieur.

I-to-I uses experiential learning to help McGill students and their faculty supervisors gain insight into: technology commercialization, entrepreneurship, and industry requirements and challenges. I-to-I provides tools and training to support researchers to translate their research to the marketplace and have their solutions benefit society. The 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.

2021

Launch of the I-to-I
Training Program

2023

I-to-I opens to senior
undergraduate students
in Faculty of Engineering

Mentors of the Fall 2022 & Spring 2023 Cohorts

ANISH KAUSHAL
Investment Analyst,
Amplitude Ventures

COLIN RYAN
Entrepreneur and Angel
Investor

DERRICK WONG
Ronald-Chwang EiR,
McGill Engine

STUART KOZLICK
Professor of Practice,
McGill University

FADI ALBATA
COO and Partner,
Innovobot

GUYLAIN ROY MACHABÉE
High-Tech Exec,
Innovobot

DR. NICHOLAS NADEAU
Founder & Fractional CTO,
Nadeau Innovations

DR. ANDREW CSINGER
Ronald-Chwang EiR
McGill Engine

ROGER TAMBAY
Ronald-Chwang EiR
McGill Engine

Prof. Svetlana Komarova and Hossein Poorhemati

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.

Prof. Shirin Enger, Hossein Jafarzadeh, Yujing Zou, and Sebastien Quetin

An Open-Source Brachytherapy Treatment Planning System.

Prof. Odile Liboiron-Ladouceur and Dr. Dusan Gostimirovic

A machine learning model that predicts nanofabrication errors and variations so that designers can verify their circuits without a costly and lengthy prototyping cycle.

Prof. Kirk H. Bevan and Yee Wei Foong

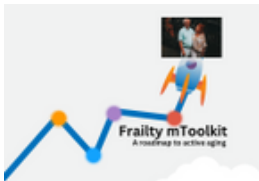An energy storage device via a new mechanism that can store as much energy as batteries but charge 2-10 times faster.

Prof. Luis Miranda-Moreno and Alejandro Perez
An AI-driven GHG emission quantification, tracking, and optimization platform to aid eco-driven decision-making.

Prof. Nancy Mayo, Ezinne Ekediegwu, and Natasha Hassija
Frailty Toolkit and Application is a new low-technology for easy and robust assessment and management of frail older Canadians in remote areas by geriatric healthcare professionals.
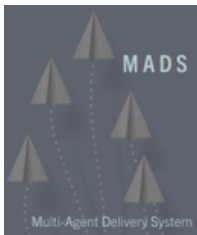
Prof. Joseph Vybihal and Mohamed Mahmoud
An autonomous multi-agent system that will solve many logistic problems.

UraSense

Prof. Sebastian Wachsmann-Hogiu, Reza Abbasi, and Meruyert Imanbekova
A biosensor for uric acid measurement at home for gout early-state detection and monitoring.

Christian Moya Garcia
An AI-powered processing system that can recommend further clinical tests if a throat cancer pattern is found in analyzed voice recordings.

IAN MCLACHLIN PRIZES

The Ian McLachlin 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. These 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.

AWAKE AI
LULAN SHEN

Ph.D. candidate in Electrical and Computer Engineering

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

REZO BIOMEDICALS
JONATHAN BRASSARD

Ph.D. candidate in Biological and Biomedical Engineering

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

MCGILL ENGINE CAPSTONE DESIGN PRIZES FOR ENTREPRENEURSHIP

The McGill Engine Capstone Design Prizes for Entrepreneurship support Faculty of Engineering student teams that have developed an innovative design solution as part of their final year Capstone Design Project with potential for their own startup venture.

2023 WINNERS

1ST PLACE - ELLEFA

Maya DeCruz, Anita Kriz, Zoe Goldberger, Grace Reszetnik, and Alexandra Magliocco

At elleFA, we are working to develop a solution that can address the shortcomings in the diagnosis and treatment of endometriosis. In all, our centralized platform is composed of three goals (1) screen for endometriosis biomarkers correlated with the disease with our at home test kit (2) track biomarkers, symptoms, and intervention responses over time with our app and (3) connect doctors and patients with quantitative results and qualitative symptoms. To screen, we are developing an at-home lateral flow assay (LFA) kit, the same technology used to make pregnancy tests. With this kit, women can quickly see their urine levels of prognostic biomarkers that are correlated with endometriosis in the comfort of their homes. Throughout their treatment journey, they can continue to use this kit to evaluate the progression of their disease. To further ease patients in the tracking of their disease management, we are simultaneously developing an app in which patients can record symptoms, screening results, and responses to treatments in a novel format endorsed by the stakeholders we have partnered with. Our third and final goal will be met through the app by organizing various patient information in a format that is easy for both the physicians and the patient to understand. To facilitate communication between the two parties, we will provide resources through the app that will make monitoring efficient, direct and simple.

2ND PLACE - ORTHOSIS DEVICE FOR LOW BACK PAIN (LBP)

Maria Calderbank, Emilie Davignon, Louis Tan, and Roseline Theroux

The main objective of our Capstone Design Project was to design and fabricate a back supportive device that reduces low back pain (LBP) by increasing intra-abdominal pressure (IAP) during forward bending. Our orthosis incorporates an abdominal belt that automatically tightens relative to the extension of the spine, via a linkage mechanism. This prototype was designed for labor intensive workers with mature spines suffering from chronic LBP. The cost of one prototype is $227.23CAD. The device has been validated by preliminary results from clinical trial, showing that it increases IAP by 36.12% during bending.

MCGILL ENGINE CAPSTONE DESIGN PRIZES FOR ENTREPRENEURSHIP (CONT.)

TIED 3RD PLACE - RE-DESIGN OF AN AIRCRAFT SEAT TABLE

Mavesa Nguyen, Amelia Duguay, Prune Huguet, and Valentin Sutyushev

Our design solution is not only desirable from a human and environmental perspective but also technically feasible and economically viable. The tablet holder feature solves the problem of neck cramps and discomfort from holding devices for extended periods during flight. Additionally, the added convenience means you can use your tray table for other activities, like reading or working, without having to constantly hold onto your device. The 3D printing technology used for manufacturing eliminates the need for expensive molds, reducing costs and increasing environmental sustainability compared to the costs associated with manufacturing and replacing traditional aircraft tray tables. It is maintenance-free, and easy to replace and install on aircraft seats. Our redesigned Aircraft Tray Table is the perfect solution for airlines looking to reduce costs and improve the in-flight experience for their passengers, making it a desirable solution for the industry. And for travelers, it's a game changer -- personalized entertainment and a comfortable way to use their devices during long flights.

TIED 3RD PLACE - RECONSTRUCTING THE ESOPHAGEAL TUMOUR MICROENVIRONMENT: DEVELOPMENT OF AN ECM HYDROGEL TO HOST TUMOUR SPHEROIDS

Madison Santos, Ariel Corsano, and Isabelle Dummer

Mimicking the mechanical properties of the tumour microenvironment (TME) is essential in cancer models, as mechanical changes impact the ability of drugs to reach the tumour core. However, in vitro cell monolayer models lack the three-dimensional aspect of the TME, and in vivo small animal tumour xenografts introduce non-human factors into tumour growth. We propose a 3D in vitro tumour model that mirrors the biomechanical and pathophysiological characteristics of esophageal cancer. We have formulated a material incorporating structural proteins and retaining physical and biomolecular cues to promote native cell proliferation. The compositional and structural material characterization was used to appropriately tune the material mechanical properties to imitate esophageal tissue mechanics. To this end, alginate-gelatin hydrogels of varying concentrations have been synthesized and characterized by rheometry. Decellularized extracellular matrix (dECM) was selected as a bioactive additive for the tumour models and was obtained by enzymatic decellularization of porcine gastric tissue. The biochemical composition of the dECM was evaluated by spectrophotometric assays to confirm successful decellularization and structural protein content. Cancer cell viability and expansion in spheroid culture were evaluated within the new material. Overall, this biologically derived spheroid tumour model is expected to improve the accuracy of existing tumour models, which will increase understanding of esophageal cancer proliferation, mechanics, and immune response, which will be used to inform treatment plans and patient outcomes.

TECHACCELR GRANTS

The TechAccelR Grants are intended to help Prof.s in the Faculty of Engineering accelerate their research-based ideas that are reported as inventions but need further validation prior to commercialization. The grants of up to $15,000 each come out of the Faculty of Engineering Engine Innovation Fund, which is funded by charitable gifts from alumni and other community donors.

TECHACCELR GRANTEES

Prof. Viviane Yargeau, Chemical Engineering
Simple and portable time-delineated water sampling system

Prof. Jun Song, Mining & Materials Engineering, and Prof. Songrui Zhao, Electrical and Computer Engineering

Artificial intelligence powered optimization and automation toolkit for atomic-precision molecular-beam epitaxy material synthesis

TECHACCELR GRANTEES (CONT.)

Prof. Corinne Hoesli, Hugo Level, Ph.D. Candidate and Marc-Antoine Campeau, Postdoctoral researcher, all from Chemical Engineering

Commercialization of a Universal, Multi-Functional Platform for Covalent and Oriented Antibody Immobilization for Cell Capture
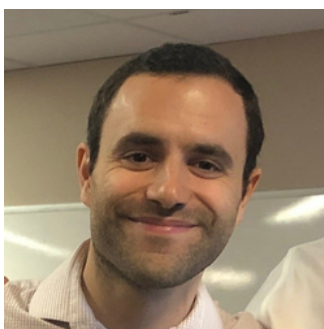
Prof. Anne-Marie Kietzig, Damon Aboud, Ph.D., Michael Wood, Ph.D., Mohammad Bagher Asadi, Ph.D. and Gianluca Zeppetelli, all from Chemical Engineering

Highly Accurate and User-Friendly Contact Angle Analysis

WILLIAM AND RHEA SEATH AWARDS IN ENGINEERING INNOVATION

The William and Rhea Seath Awards (WRSAs) which support innovative research and development have been made possible thanks to the generosity of Faculty of Engineering alumnus, the late Mr. William Seath (B.Eng. 1952). These awards recognize outstanding students and professors who are conducting research and development with potential for commercialization. Two awards of $25,000 each were given in the 2022-2023 competition.

2022-2023 Grantees

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
Prof. Odile Liboiron-Ladouceur and Dr. Dusan Gostimirovic, Postdoctoral Fellow, both from Electrical and Computer Engineering

The project consists of developing machine learning models of different fabrication facilities. Up to now, the models are based on the fabrication done at Applied NanoTools Inc. (ANT), which is an electron-beam lithography process used for low-volume production. Most commercial silicon photonics prototyping is fabricated in an optical lithography process which allows for more volume from the nature of its parallel patterning process.

2022-2023 Grantees (cont.)
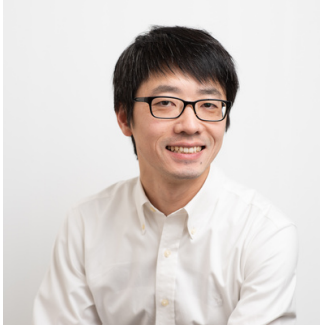
Clickclot: Next-Generation Hemostatic Technology to Stop Hemorrhage
Assistant Professor and Canada Research Chair Jianyu Li and Shiyu Liu, Ph.D. Candidate, both from Mechanical Engineering

Uncontrolled bleeding or hemorrhage remains an unmet clinical challenge, which causes ever-increasing socio economic burdens due to the aging population, increasing trauma injuries, limited supply of blood transfusion and conflicts around the world. Despite the significance and growing market of hemostatic agents, existing solutions cannot meet the clinical needs due to the limited mechanical performance and the lack of hemostatic efficacy. To address the clinical needs and save lives from hemorrhage, we have invented a paradigm-shifting hemostatic technology, called Liquid-Infused Microstructured Bioadhesive (LIMB). The LIMB can stop various bleeding conditions, including the most challenging non-compressible hemorrhage, in seconds, while exhibiting excellent biocompatibility and biodegradability. With its performance validated in vitro and in vivo, the LIMB overperforms clinically used hemostatic agents in terms of hemostatic efficacy and biosafety.

DI PIERRO INNOVATION FELLOWSHIP

The Innovation Fellowships Program supports the recipient and the team on the development of a technology in order to bring it closer to the marketplace and allow the fellow to gain further knowledge and experience in business and technology commercialization. Up to $50,000 is awarded as a grant to the Principal Investigator with 80% minimum in stipend/salary going to the eligible McGill Faculty of Engineering Ph.D. student or post-doctoral fellow to carry out the project full-time within 1 year maximum. This fellowship was made possible thanks to the generosity of McGill alum Pasquale Di Pierro.

Winners of the 2023-2024 Di Pierro Innovation Fellowship

Towards the commercialization of a pro-healing bifunctional surface modification to improve endothelialization of prosthetic vascular grafts
Dr. Marc-Antoine Campeau and Prof. Corinne Hoesli, both Chemical Engineering

Prosthetic vascular graft of small diameter remains a challenging type of implants to use due to the high risk of thrombosis and the rapid loss of patency. Coatings have been developed and commercialized to limit these risks but they fail to fully address the current limitation of hemocompatibility, resulting in a lack of proper alternatives to autologous vein graft for bypass surgery. The proposed application aims to translate our patented coating technology to polytetrafluoroethylene, an inherently inert material extensively used in the manufacture of blood-contacting implants. Our coating consists of antibodies and biomimetic peptides which respectively enable the capture and firm adhesion of endothelial progenitor cells promoting the in situ endothelialization of the implant surface. In contrast to current solutions, this approach allows for the rebuilding of the artery lining, the endothelium, which has innate anti-thrombotic properties. Our coating technology has the potential to have broad implications for the manufacture of blood-contacting medical implants where enhanced regeneration and integration into human tissues is critical to avoid long-term complications.

Events

The McGill Engine hosts competitions, workshops, and events throughout the year to help students build connections, develop their entrepreneurial and innovation skills, and be inspired!

8TH ANNUAL CELEBRATION OF INNOVATION & ENTREPRENEURSHIP

Our annual Celebration of Innovation and Entrepreneurship highlights and celebrates our emerging technological innovators and entrepreneurs. The evening was an occasion to bring together, students, faculty, accelerators, investors, and alumni. A number of awards were announced, the year's projects were showcased, and our inventors were acknowledged.

EVENT HONOREES

2021-2022 WRSA AWARD WINNERS

Prof. Sara Mahshid and Dr. Roozbeh Siavash Moakhar
Prof. Allen Ehrlicher, Ajinkya Ghagre Dr. Ali Amini, Johanan Idicula and Prof. Ramaswamy Krishnan

NSERC ALLIANCE GRANTEES

Prof. Michael Jemtrud

IDEA TO INNOVATION GRANT GRANTEES

Prof. Mohamed Meguid
Prof. Sebastian Wachsmann-Hogiu
Prof. Corinne Hoesli and Hugo Level
Prof. Daniel Varro, Sebastian Pilarski, and Slawomir Pilarski

TECHACCELR GRANTEES

Prof. Changhong Cao
Prof. Sebastian Wachsmann-Hogiu and Dr. Juanjuan Liu
Prof. Natalie Reznikov, Prof. Julia Cohen Levy, Prof. Joyce Fung and Dr. Alexei Morozov
Prof. Corinne Hoesli, Jonathan Brassard, Prof. Richard Leask, and Prof. Steven Paraskevas
Prof. Daniel Varro, Sebastian Pilarski, and Slawomir Pilarski

2021-2022 WRSA AWARD REVIEW COMMITTEE

Neal Gordon
Praveen Prasanna
Raffi Afeyan
Prof. Benoit Boulet

CANSBRIDGE-ENGINE FELLOW

Laurence Liang

IAN MCLACHLIN PRIZES

Jonathan Brassard
Lulan Shen

ENGINE DOBSON PRIZE

Kieyan Mamiche Afara
Neel Faucher
Nathan Leuranguer
Philippe Mandeville

SUMMER STARTUP INTERNS

Amanda Kaplan
Anabelle de Cabrol
Himel Saha
Nikhil Jebesh Moses

INVENTION TO IMPACT TRAINING PROGRAM SPRING 2022 AND FALL 2022 COHORTS

Prof. Corinne Hoesli, Jonathan Brassard, and Michael Chuang, "A biomedical device that can be filled with insulin producing cells and vascularized to create a connection with the recipient's blood circulation"

Prof. Codruta Ignea and Zimo Jin, "Modifying the yeast membrane composition to generate a plant-like yeast cell factory to improve the production of plant-origin fine chemicals"

Prof. Theo G.M. van de Ven and Mohammadhadi Moradian, "Production of sustainable straws from cellulose films''

Prof. Svetlana Komarova, Hossein Poorhemati, "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"

Prof. Shirin Enger, Hossein Jafarzadeh, Yujing Zou and Sebastien Quetin, "An Open-Source Brachytherapy Treatment Planning System"

Prof. Odile Liboiron-Ladouceur and Dr. Dusan Gostimirovic, "A machine learning model that predicts nanofabrication errors and variations so that designers can verify their circuits without a costly and lengthy prototyping cycle"

Prof. Kirk H. Bevan and Yee Wei Foong, "An energy storage device via a new mechanism that can store as much energy as batteries but charge 2-10 times faster"

TECHACCEL GRANTEES AND PRE-GRANTEES

Aicessible
Michael Bitz
Kurt Stadlwieser
Owen Stadlwieser

AwakeAI
Lulan Shen
Ruofeng Li

Brighten
Nathan Leuranguer
Kieyan Mamiche Afara
Neel Faucher
Philippe Mandeville

Commit Education
Edgar Dagenais-Martin
Doha Elhaoua
Daniel-Jiajun Yu

Helios Gen
Timothy Delorme
Thomas Dormart

Hitch
Aniket Raj
Venkata Satyanarayana Chivatam

Ikei
Minh Tran
Gabriele Capilli

Inspire
Laurence Liang
Ken Johnson

Lodavo
Luke Freund
Benjamin Thomas

Mediate Health
Rahul Atmanathan
Alexander Gruenwald
Chelsea Wright

TECHACCEL GRANTEES AND PRE-GRANTEES (CONT.)

OD1N Health
Aayush Bhat
Shayan Soleymani
Samuel Poncet

RADAR
Anaëlle Drai Laguéns
Noah Caulonque
Agnes D'Ivernois
Camille Longuet
Mathilde Arnoux

Someone
Moh Sadri
Ali Rouzbayani

PreFab AI Photonics
Dr. Dusan Gostimirovic
Prof. Odile Liboiron-Ladouceur

Project LiveGuard
Eduard Anton
Frédéric Jarjour

Urban Turbine
Satish Kumar Tumulu
Veronica Rodrick
Abhishek Nayani
Vamsi Madhav Tata
Akhil Francis

Revív
Adam Rajguru

SealDeal
Bashar Eskandar
Athanas Bakleh

2022 ISSUED PATENT TITLES & INVENTORS

Graphene oxide/cellulose nano-crystal or nano-fiber nanocomposite hydrogels (foam/sponge) with exceptional mechanical properties as advanced sorbents for water treatment applications

Nathalie Tufenkji, Kerwin Wong, Nariman Yousefi, Zeinab Hosseinidoust

Two speed dual stage planetary transmission with seamless flow of power during gearshift by using two clutches

Mir Saman Rahimi Mousavi, Hossein Vahid Alizadeh, Benoit Boulet , Ali Pakniyat

Architecture for guessing random additive noise decoding (GRAND)

Warren Gross

Layered and spinel lithium titanate processes for preparing the same

George Demopoulos, Hsien-chieh Chiu, Karim Zaghib, Abdelbast Guerfi

Methods and systems relating to photochemical water splitting

Zetian Mi, Songrui Zhao, Hieu Pham Trung Nguyen

WOMEN IN ENTREPRENEURSHIP PANEL

MARCH 16, 2023, 5:30 - 7:00 PM

The McGill Engine teamed up again this year with POWE (Promoting Opportunities for Women in Engineering) to host a panel on highlighting five local female entrepreneurs in Tech.

Basic information & impact:
- Started in February 2020
- 15 female entrepreneurs featured
- 50+ attendees

PANELISTS

AMY LORINCZ
Co-founder & CEO @ Vope Medical

McGill MS.c., Experimental Surgery, 2022 graduate
Concordia University, BEng, Industrial Engineering, 2019 graduate

CHAITY TARAFDER
Co-Founder @ NameShouts

McGill B.A., Economics

FLORA UWADIEGWU
Technical Program Manager @ Lyft &
Co-Founder @ WeTechNG

McGill M.Eng., Chemical Engineering, 2017 graduate

JUSTINE MASSICOTT
Co-Founder & CTO @ Lighthouse

HEC Montreal, Masters, Data Science, 2018 graduate
Université de Montréal, Masters, Philosophy, 2017 graduate

NATHALIE MYARA
Co-fondatrice Présidente Directrice Générale @ Eduplan

Université de Montréal, M.Ed., Orthopédagogie, 2006 graduate
Université de Montréal, Ph.D., Psychopédagogie, 2011 graduate

ENTREPRENEURSHIP-IN-ACTION SPEAKER SERIES

SEPTEMBER 20TH, 2022 - FEBRUARY 16TH, 2023

This speaker series provides an opportunity to hear from entrepreneurs, accelerators, incubators, and investors about their experiences and offerings, in order to learn, be inspired, and build connections.
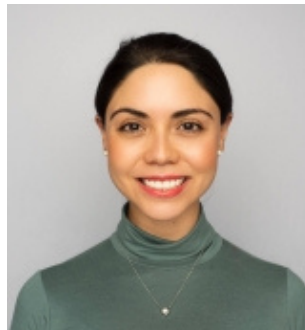
Basic information & impact:
- Started in January 2013
- 50+ guest speakers
- 4 speaker events
- 110+ attendees

DANIEL DROUET

Co-Founder,
XMachina

SEPT. 20TH, 2022
5:30 - 6:30 PM

DR. ALEJANDRA HUERTA

Co-Founder,
AIM Colours

NOV. 10TH, 2022
5:30 - 6:30 PM

JUSTIN DRAGAN

Co-Founder & CEO,
Tulsi Farm

JAN. 19TH, 2023
5:30 - 6:30 PM

JULIEN COUPEZ

Solution Architect,
AWS

FEB. 16TH, 2023
1:00 - 2:00 PM

LEARN @ LUNCH
PRE-STARTUP SKILLS WORKSHOP SERIES

SEPTEMBER 13TH, 2022 - MAY 26TH, 2023

Basic information & impact:
- Started in January 2020
- 8 workshop topics
- Co-facilitated with Engine's Associate Director and with McGill University librarians and Compass Legal Startup Clinic
- 27 workshops
- 200+ attendees

WORKSHOP TOPICS

- Technological Innovation and Entrepreneurship 101
- Startup Law 101
- Employment Law
- Design Thinking Methodology
- Market Research and Analysis of Competition
- Introduction to Industry Analysis
- Foundations of IP and Patent Searching
- Customer Discovery

LEARN @ LUNCH
STARTUP SKILLS WORKSHOPS

Basic information & impact:
- Started in February 2023
- In-person & online format
- Facilitated by Roger Tambay, McGill Engine Centre's Ronald-Chwang Entrepreneur-in-Residence
- 6 workshops
- 45+ attendees

Part 1 - Financing My Early-Stage Innovation-Driven Venture

In this workshop, participants learn how VC's typically value an early-stage innovation-driven venture. The workshop facilitator goes through and gives examples on how to forecast sales and how to set pricing, how to forecast expenses and how to figure out the amount of capital needed to finance business. The workshop facilitator also explores some of the more common sources of cash from both public institutions and private organisations.

Part 2 - Venture Capital Funding

After workshop participants have a grasp on how much money they need, this workshop will focus on the "deal". Participants learn what is a venture capital fund, its structure and how they operate, and what VCs look for in an early stage innovation driven venture. Participants also learn about the typical elements of a term sheet in connection with equity investments and SAFEs, and caveats when raising money. Finally, the workshop facilitator explains how a capitalization table works and finishes off with a brief overview of minority shareholder rights.

ALL EVENTS

SEPTEMBER 2022

Sept. 6   TechAccel Info Session

Sept. 13   Pre-Startup Skills Workshop - Technological Innovation and Entrepreneurship 101

Sept. 14   Invention to Impact Training Program Information Session

Sept. 20   Entrepreneurship-in-Action Speaker Series with Daniel Drouet

Sept. 20   Pre-Startup Skills Workshop - Design Thinking Methodology

Sept. 21   PGSS Innovation Info Session with Mitacs and the McGill Engine

Sept. 27   Pre-Startup Skills Workshop - Customer Discovery

Sept. 29   TechAccel Showcase

Sept. 30   Talent-Venture Match Event (DGEC X McGill Graduate Students)

OCTOBER 2022

Oct. 4   Pre-Startup Skills Workshop - Market Research and Analysis of Competition

Oct. 18   Pre-Startup Skills Workshop - Foundations of IP and Patent Searching

Oct. 21   McGill Engine Open House

Oct. 25   Pre-Startup Skills Workshop - Startup Law 101

Oct. 27   9th Annual John D. Thompson Entrepreneurial Development Seminar

ALL EVENTS (CONT.)

NOVEMBER 2022

Nov. 2	Pre-Startup Skills Workshop - Technological Innovation and Entrepreneurship 101
Nov. 10	How to build your startup with grants with Allie Huerta
Nov. 9	Pre-Startup Skills Workshop - Employment Law
Nov. 16	Pre-Startup Skills Workshop - Design Thinking Methodology
Nov. 16	McGill Engine/MDC/Cube/Factory Tour
Nov. 23	Pre-Startup Skills Workshop - Market Research and Analysis of Competition
Nov. 30	Pre-Startup Skills Workshop - Foundations of IP and Patent Searching
Nov. 30	8th Annual Celebration of Innovation and Entrepreneurship

DECEMBER 2022

Dec. 7	Pre-Startup Skills Workshop - Customer Discovery

JANUARY 2023

Jan. 10	Winter TechAccel Program Info Session (Online)
Jan. 18	Pre-Startup Skills Workshop - Technological Innovation and Entrepreneurship 101
Jan. 19	How to build and scale a company sustainably with Justin Dragan
Jan. 25	Pre-Startup Skills Workshop - Design Thinking Methodology

FEBRUARY 2023

Feb. 1	Pre-Startup Skills Workshop - Customer Discovery
Feb. 8	Pre-Startup Skills Workshop - Market Research and Analysis of Competition
Feb. 13	Startup Skills - Financing My Early-Stage Innovation-Driven Venture
Feb. 15	Pre-Startup Skills Workshop - Foundations of IP and Patent Searching
Feb. 16	Best practices for AI R&D with Decision Trees and Computer Vision
Feb. 16	Overview of Running AI in the Cloud
Feb. 16	Startup Skills - Financing My Early-Stage Innovation-Driven Venture (online)
Feb. 20	Startup Skills - Venture Capital Funding
Feb. 21	Meet & Greet @ Engine - Recipients of the Polytechnique Memorial Scholarships
Feb. 22	Pre-Startup Skills: Workshop - Startup Law 101
Feb. 23	Startup Skills - Venture Capital Funding (online)

ALL EVENTS (CONT.)

MARCH 2023

Mar. 7   Pre-Startup Skills Workshop - Technological Innovation and Entrepreneurship 101

Mar. 14   Pre-Startup Skills Workshop - Design Thinking Methodology

Mar. 16   4th Annual Women in Entrepreneurship Panel

Mar. 16   Fostering Industry-University Partnerships Workshop

Mar. 21   Pre-Startup Skills: Workshop - Introduction to Industry Analysis

Mar. 24   10th Annual John D. Thompson Entrepreneurial Development Seminar

Mar. 28   Pre-Startup Skills Workshop - Market Research and Analysis of Competition

Mar. 28   Engine Info Session for Vadasz Scholars (hybrid)

APRIL 2023

Apr. 4   Pre-Startup Skills Workshop - Foundations of IP and Patent SearchingSummer

Apr. 4   TechAccel Program Info Session (online)

MAY 2023

May 11   Startup Skills - Financing My Early-Stage Innovation-Driven Venture (online)

May 12   Startup Skills: Part 2 - Venture Capital Funding (online)

May 23   Startup Internship Workshop - Technological Innovation and Entrepreneurship 101

May 24   Startup Internship Workshop - Design Thinking

May 25   Startup Internship Workshop - Foundations of IP and Patent Searching

May 26   Startup Internship Workshop - Introduction to Industry Analysis

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:
- TechAccel Mentors
- Guest speakers & judges
- WRSA proposal reviewers

Learn more on how to get involved.

FINANCIAL SUPPORT

The 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. In addition, the TechAccelR grants help researchers validate their research that has commercial and social impact potential.
The Innovation Fund is being supported by alumni:

Jim & Barbara Brodeur (B.Eng. '56)
Ian Mclachlin (B.Eng. '60)
Pasquale Di Pierro (B.Eng. '76)
Fonex Data Systems Inc.
The Anna & Louis Viglione
Foundation (B.Eng. '78)
Michael Barski (B.Eng. '68)
John D. Thompson (B.Eng. '57)

Mark Levine (B.Eng. '91)
Arthur Levine (B.Eng. '61)
Howard Stotland (B.Eng. '66)
Robert Walsh (B.Eng. '65)
Leon Fattal (B.Eng.'62)
Eng Class of 1980
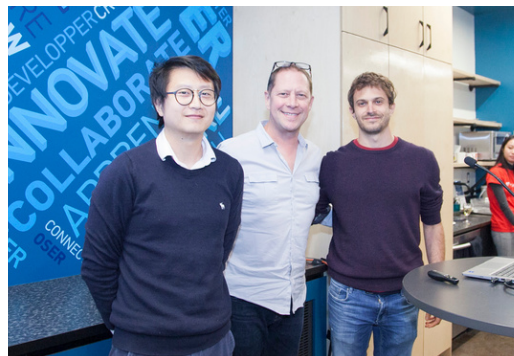Eng Class of 1976
Eng Class of 1966

The Innovation Fund needs your support through:
1. An annual contribution
2. A named endowment within the Innovation fund

For more information please contact: **Ms. Virginia Roe**, Director, University Advancement
virginia.roe@mcgill.ca

Thank you to our supporters over the past 10 years!

We wouldn't have achieved so much without you.

MCGILL ENGINE'S 10TH ANNIVERSARY
10E ANNIVERSAIRE DE MCGILL ENGINE

9th Annual Celebration of Innovation and Entrepreneurship
9e édition de la Célébration de l'innovation et l'entrepreneuriat

November 30th, 2023

5:00 - 7:30 PM ET

McGill Engine Centre (FDA 5)

Stay
Connected

McGill Engine Centre

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McGill Engine Centre

Driving Innovation since 2013