***INSTRUCTIONS:***

* *Please familiarize yourself with the award eligibility/requirements and criteria for evaluation on our website:*<https://www.mcgill.ca/engine/funding/faculty/william-and-rhea-seath-awards-engineering-innovation>
* *Full application should not exceed 2 pages, not including appendix for report of invention, graphs and/or figures if required*
* *To submit your application, please e-mail the pdf version to katya.marc@mcgill.ca*

You will receive an email confirmation from us. If you do not receive a confirmation email within a day of submission, please contact us at the same e-mail address or call 514-912-7319.

 **William and Rhea Seath Awards in Engineering Innovation**

**Award Application Fall 2020**

**Project Title**:

**Lead Applicant (student or professor)**:
Name:

Title:

Department:

Email:

Phone:

### Co-Applicants (if applicable)

|  |  |  |
| --- | --- | --- |
| Full Name | **Title, Organization**  | **Email** |
|  |  |  |
|  |  |  |
|  |  |  |

 I have informed all co-inventors and/or co-applicants of this application.

PROJECT TITLE

# Executive Summary

Describe briefly the problem to be solved and shortcomings of existing solutions. Summarize your approach in a few sentences. Describe what you plan to accomplish with this grant and its impact.

# Background

Provide an overview of the problem you propose to solve. What can be the impacts on society and the market? What is the customer "pain" that you are addressing? How have you validated this pain? What is the market doing now to address the problem? Why will your approach be advantageous?

# Proposed Solution/Approach

Describe the proposed innovation, how it addresses the problem and how it will work. How do you see the technology/invention being used in a product or service? What is the current status of the technology and any related intellectual property? Please attach your disclosure/report of invention in the appendix. Describe how this relates to your existing research. Why is it novel? What are the competing or alternative technologies? Explain the benefits of the proposed approach over current or competitive approaches (even if the competitive approaches are not technically similar). To the best of your knowledge, what is the prior art in this area – by you and others? List publications and/or patent applications and/or patents.What are the expected societal, market, and academic impacts of the proposed work if successful?

# Commercialization and Proposed Development Plan

What do you see to be the key next step to making an impact with this innovation (e.g., sponsored research support, licensing, venture financing)? What is the timeline? What are the technical and market uncertainties and risks that could impede this technology from proceeding along the path towards market? Please describe the stakeholder identification and validation achieved so far. How would the William and Rhea Seath Award and the McGill Engine assistance adequately reduce the uncertainty to advance the project to the key next step? With whom would you need to connect, and what questions do you need to answer, to determine the appropriate applications and paths to commercialization?

Describe a technology development plan including the key experiments to be undertaken to address the goals and reach the milestones of the proposed work. What are the top three technical risks that would cause this technology to fail and how do you plan on managing them? What are the key questions that need to be answered? Explain how the experiments and data you gather will do so. Provide an estimate of the cost and time required to answer each question and the start and end dates for the entire proposed project work.

# Funding

Identify all prior, current and/or pending sources of support to the background and proposed project. Indicate any needs for additional funding for the project and for any funding requirements in subsequent years.

# Team and Collaborations

List team members and collaborators and describe their relevant experience and roles in the project. Identify areas of talent needed now and expected towards the end of the project term.