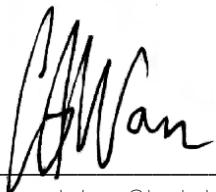# MEC

McGILL ENGINEERING COMPETITION 2015

Dear Prospective Sponsors,

The McGill Engineering Competition, MEC, is a long standing competition that has been born out of passion by a group of dedicated and invested students that wanted to give back to the McGill engineering community for many years now. Through a multitude of design competitions and other events based around fundamental engineering traits, participants are able to utilize their theoretical knowledge acquired in class and showcase their skills in realistic engineering applications to a panel of judges. MEC not only adds more to the student experience, but also truly gives the participants a feel for what it is to be an engineer.
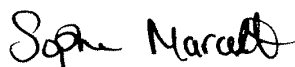
Over the years, MEC has been worked over after each iteration to ensure constant improvement and for the event to grow as a whole. This year, we seek to further nourish the involvement of the engineering community at large. With the participation of our most innovative and driven students alongside the knowledge and expertise of our judges, this year's edition is promised to be an immersive and rewarding experience for all. à

Throughout the years, MEC has gathered some of the brightest and devoted students and by choosing to sponsor us, you will get the chance to see what sort of talent the McGill engineering community has to offer. Furthermore, your generous donation will allow us to cover our operational cost and will allow MEC to be a better and more cohesive experience for all those attending. With that, the MEC executive team is proud to this year's edition of the McGill Engineering Competition.

Sincerely,

Canon Wan Chuh Wah
Co-chair

Sophie Marcotte
Co-chair

Benjamin Burelle
Vice President Finance

Message from the Associate Dean of Engineering

Today's engineer requires a broad range of skills to succeed in our global economy everything from an understanding of distinct cultural approaches to demonstrablestrengths in communications and effective time management. Engineers must be superb problem-solvers, intelligent risk-takers and confident organizers.
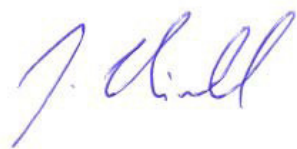
All of these qualities come to the fore at the MCGILL ENGINEERING COMPETITION that students in our Faculty organize each year.

The technical information that they learn in classrooms and labs is essential to their futures, but the broad range of skills that our students hone through participation in this annual challenge is just as meaningful in preparing them for life after graduation.

McGill's Engineering students are talented, passionate and extremely professional in all that they do. Because of this I wholeheartedly endorse this important competition and I encourage individuals and corporations to offer whatever support they can to help ensure its success.

By partnering with the 2015 MCGILL ENGINEERING COMPETITION, your organization can play a valuable role in helping to shape many of our profession's future leaders.

Sincerely,

Jim A. Nicell, Ph.D., P.Eng.

Dean
JAN/kw

What is MEC?

The MEC is an interdisciplinary engineering competition that allows students of all types of engineering to test their skills in varying competitions. This year, it will feature a brand new competition just for graduate students. The goal of the competition is to foster relationships between students while providing them a setting for professional engineering practice as well as networking opportunities. The MEC occurs over one weekend and includes many different competitions, as listed below.

Senior design

Teams of four students are allotted several hours to find a solution to a complex design problem. The teams are not only required to build a prototype that meets all the requirements disclosed during the day of the competition, but also to showcase their prototype and put them to the test during a presentation that they've prepared. The participants will be judge on the overall performance of their prototype and the quality of their presentation. This competition is reserved for students having completed at least sixty credits

Junior design

Much like the Senior Design, teams of four students are tasked to solve a design problem. The main difference from its senior counterpart is that it is open to students that have completed less than sixty credits. Since the Junior Design participants generally have less experience, the level of difficulty and the time allotted is lowered. After the problem has been revealed, the participants are given several hours to build their prototype which meets all the criteria and prepare their presentation for the panel of judges. Once again, the participants are judged based on both the quality of their prototype and their presentation.

Innovative Design

A team of students table during the competition to present their innovative design or concept idea to judges and other participants attending the event. The design should be an original concept of their own creation and can yield from any branch of engineering. The design is expected to be highly technical and is to be judged on the grounds of marketability, feasibility, technicality, and practicality and therefore undertaking intensive research on the product being made and business strategies to promote the product prior to the competition day is highly recommended.

Debates

Teams of two students will put their public speaking skills and quick thinking skills to the test in this competition by debating another team on a topic provided the day of the event. The teams are judge based on the relevance of their arguments and the fluidity of their speech.

Consulting

Teams of four students are given a few hours to elaborate a thorough solution for a large-scale engineering related problem and present their solution to a panel of judges. The solution must take into account the technical, social, political, environmental, and financial aspects in order to be considered a comprehensive solution by the judges, whom represent potential clients. Although forming an airtight solution to the problem at hand is the main goal, a proper delivery of the idea during the presentation is key.

Re-engineering

In this competition, teams of 2 students are tasked to improve and optimize an existing product in adherence to a list of constraints. The participants will be given several hours to build a prototype and a presentation. The judges will base their score on the originality of the new product, feasibility, technical advantages, marketability and public speaking skills.
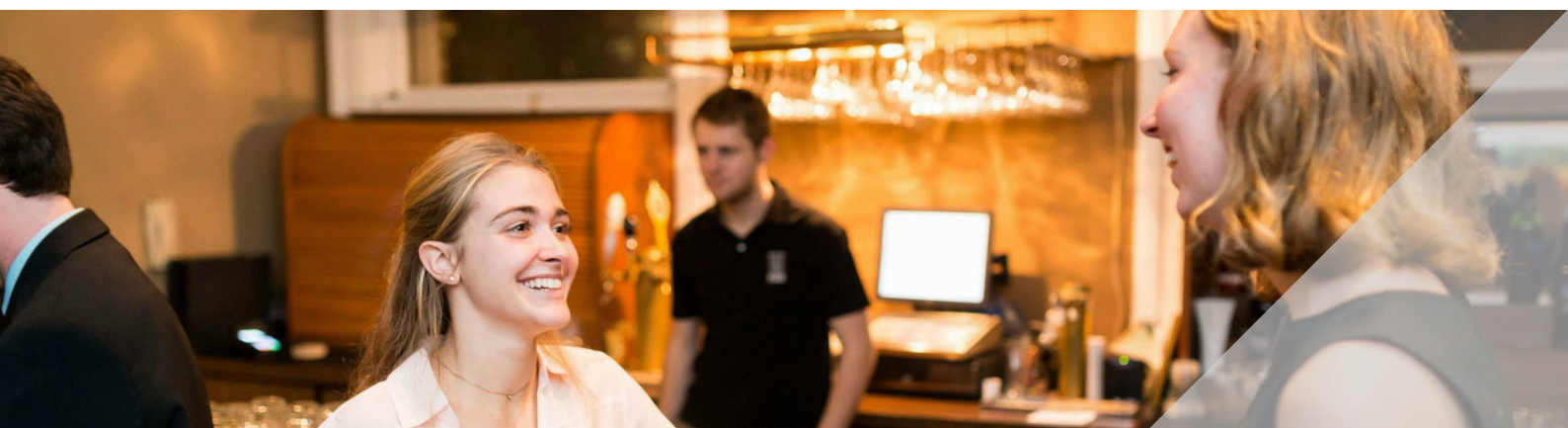
Scientific Research Presentation

Reserved for Master and Ph.D students, this competition will allow participants to present their research project to the open public. This competition consists of a poster presentation of their research, which will be followed by a detailed oral presentation aimed at judges. The judges will base their judgements based in the pertinence of the research, the ability of the speaker to explain highly technical terms in a manner that is accessible for all, technical feasibility of the project, clarity and visual quality of the presentation.

Communication

This competition requires teams of either one or two students to explain a complex engineering concept to judges with and without technical knowledge in a way that is simple and understandable. Participants will be judged based on the clarity of their explanation and quality of their speech.

What We Offer

- Judge positions at one of the many competition categories

- Exclusive attendance at the Opening Ceremony, Celebration Dinner and Red Carpet's Cocktail

- Your company name and logo featured on MEC apparel, banners, competition handbook, website and social media pages

- Catalogue of CV's sorted by ranking at competitions and category

- Sponsor's competition or networking event

- Remarks to be given at the Opening Ceremony, Awards' Dinner and Winner's Cocktail

MEC attracts some of the finest engineering students at McGill and it is a perfect opportunity for your company to evaluate their talent fist-hand in a setting that truly showcases their engineering skills. Moreover, you can narrow down your talent search by being a judge in a specific competition category and you will have the chance to discuss with the competition winners in a relaxed, yet professional setting during the Red Carpet Cocktail.

Although many students participate solely for the experience and their personal growth, but many are attracted by your organization that will be advertised and featured on MEC apparel, banners, posters, fliers, websites and social media pages. If your company chooses to sponsor one of the MEC competitions or networking event, your company logo will be specially featured and your company will have the chance to speak at the Opening Ceremony or the Awards Ceremony which will catch the eye of students even more and create greater interest for your company.
Lastly, a catalogue of CV's of the competition winners which will be sorted by category and rankings, from 1st place to 3rd place to make it easier to follow-up with your first-choice candidates after the competition.

Sponsorship Levels

Sponsorship Level	Platinum	Gold	Silver	Bronze
Cost	1000	800	500	300
Number of Judges	≤5	≤4	≤3	≤1
Attendees at Cocktail	3	2	2	1
Logo				
+ Banners	◣			
+ Apparel	◣	◣		
+ Guide	◣	◣	◣	◣
+ Website	◣	◣	◣	◣
+ Social media	◣	◣	◣	◣
Feature in Competition Guide	Full page	½ page	¼ page	None
Catalogue of CV's	Yes	Yes	Yes	No
Sponsor's Competition	Yes	Yes	Yes	No
Sponsor's networking event	Yes	Yes	No	No
Remarks at Opening Ceremony	Yes	No	No	No
Remarks at Red Carpet's Cocktail	Yes	No	No	No

Contact

The Engineering Undergraduate Society of McGill University

3480 University, McConnell, Room #7
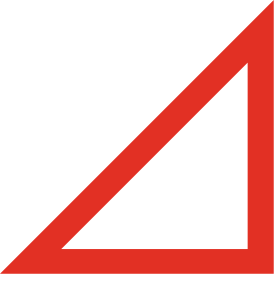Montreal, Quebec
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Sponsorship Application Form

Name of Company

Name of Person of Contact

Phone

E-mail

Level of Package:

Platinum   Gold   Silver   Bronze

How many judges are you willing to send?

Which categories would you like to judge?

Special Requests or Comments