



McGILL ENGINEERING
COMPETITION 2016

November 4-7
McGill University
Montreal, Quebec



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.

With a chance to qualify for the provincial and national level competitions, our most innovative and driven students embrace this professional weekend for the learning experience, the amazing atmosphere and the important opportunity of networking. With the involvement of the engineering community at large alongside the knowledge and expertise of our judges, this year's edition promises to be an immersive and rewarding experience for all.

Bringing together a record 140 students last year, MEC has gathered some of the brightest and most devoted students throughout the years, and by choosing to support 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 costs 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 present this year's edition of the McGill Engineering Competition.

Sincerely,



Rabih Choueiry
President



Message from the Dean of Engineering

Today's engineers require a wide range of skills to prepare them for the workplace and the widening variety of career paths that they can choose from. Our graduates are expected to face increasingly complex problems for which they are charged with developing viable technological solutions, but they must be profoundly in tune with the broader implications of their work on society.

In order to prepare our students for their future careers, we must encourage them early on to develop important skills including problem analysis, creativity, design, teamwork, project management and execution, communications and leadership, amongst others. To do this, students must be provided with opportunities to broaden their horizons, stretch their imaginations, develop their skills, and put them into practice in innovative ways.

In this regard, the MCGILL ENGINEERING COMPETITION is the perfect venue for our students to translate what they learn in the classroom into real life. Of course, the education they acquire 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. It is an opportunity for them to face new problems and to work with others to develop creative solutions. This is a reflection of the real life of an engineer.


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 encourage individuals and companies to offer whatever support they can to help ensure its success.

By partnering with the organizers of the MCGILL ENGINEERING COMPETITION, you can play an invaluable role in shaping the future leaders of our profession.

Sincerely,



Jim. A. Nicell, Ph.D., P.Eng.
Dean of Engineering



MEC Categories

What is MEC?

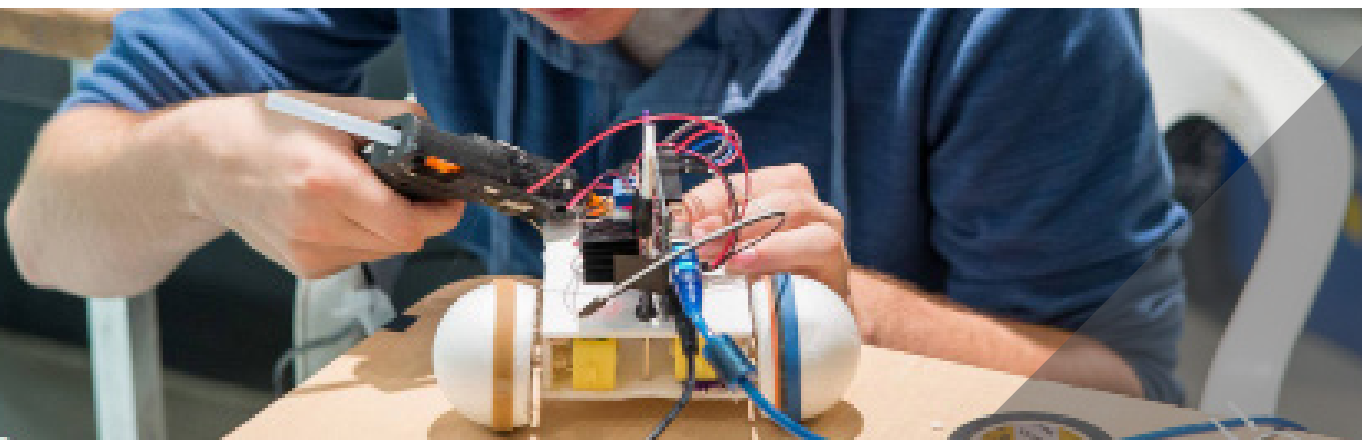
The MEC is an interdisciplinary engineering competition that allows students of all types of engineering to test their skills in varying competitions. This year, it will feature a brand new competition just for graduate students. The goal of the competition is to foster relationships between students while providing them with 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 on the day of the competition, but also to showcase their prototypes and put them to the test during a presentation that they've prepared. The participants will be judged 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 are 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 the quality of their prototype and their presentation.



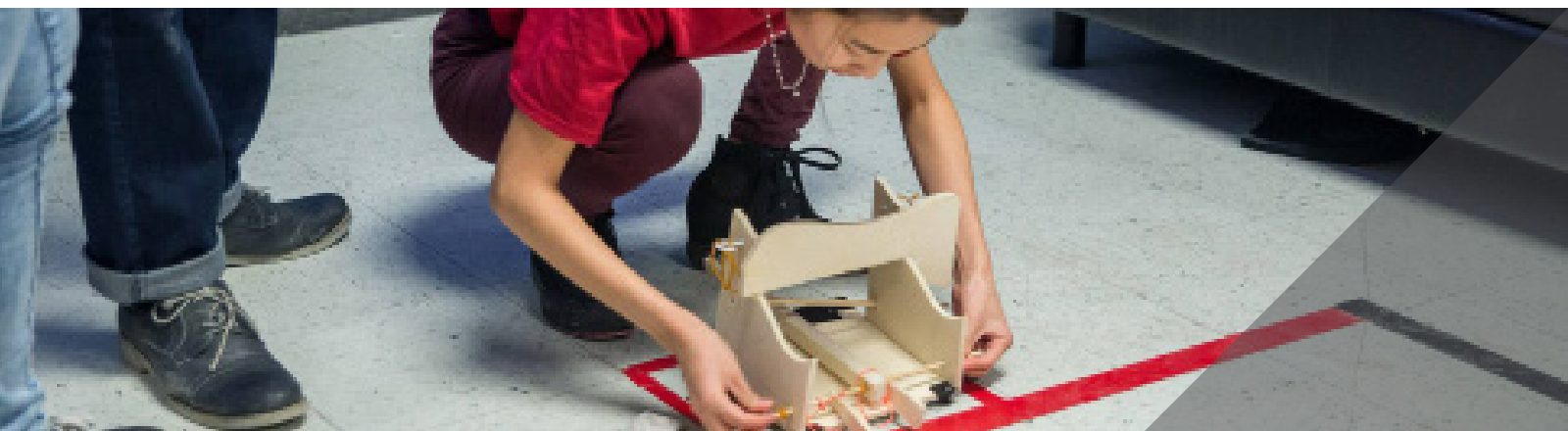
MEC Categories (cont.)

- ▽ **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.
- ▽ **Debates**
Teams of two students will put their public speaking skills and quick thinking abilities to the test in this competition by debating another team on topics provided on 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. 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 two 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.



MEC Categories (cont.)

- ▣ **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 in front of judges. The judges will base their judgements on 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, the Awards Cocktail and the Red Carpet Dinner.



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



Catalogue of CV's sorted by ranking and category.



Remarks to be given at the Opening Ceremony, Awards Cocktails and Red Carpet Dinner.

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. You can narrow down your talent search by being a judge in one of our eight specialized categories, and you will have the chance to discuss with the winners in a relaxed, yet professional setting during the Red Carpet Dinner.

The MEC will draw more that 140 of the most talented students to your organization by featuring your logo on the MEC apparel, banners, posters, fliers, website and social media pages. Sponsor one of the MEC Competitions to see your name and logo specially featured, and speak at one of our plenary events to create even stronger student interest in your organization.

Moreover, receive 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 | 1,000 | 800 | 500 | 300 |
| Number of Judges | ≤7 | ≤5 | ≤4 | ≤2 |
| Attendees at Red Carpet Dinner | 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 | No | No |
| Sponsor a Competition | Yes | Yes | Yes | No |
| Remarks at Opening Ceremony | Yes | No | No | No |
| Remarks at Red Carpet Dinner | Yes | No | No | No |



Special Sponsorship Packages

To make the most out of your participation at MEC, we have developed the following three packages. They will ensure that you get maximum exposure at our event. These packages include all the advantages reserved for our Platinum Partners and a bit more. Only one of each is available, so act fast while they are available.



Opening Ceremony

On Friday night, all participants gather for the official launch of the McGill Engineering Competition. With all participants present and still relaxed before the big day, you would get the exclusive opportunity to speak to the crowd during a keynote address. Present your company, highlight your realizations and share your keys to success. The stage is yours!

Price: \$ 1,200



Awards Cocktail

After the conclusion of the presentations, and before the winners are announced, tensions are high and excitement is in the air. Take this opportunity to convey an exclusive and impactful message to our participants.

Price: \$ 1,200



Red Carpet Dinner

As the curtain comes down on the weekend, the medalists get invited to a special networking night. Enjoy this moment with the best of the best to deliver the final keynote speech and leave a longlasting impact.

Price: \$ 1,200



Contact

Engineering Undergraduate Society of McGill University

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Rabih Choueiry – President

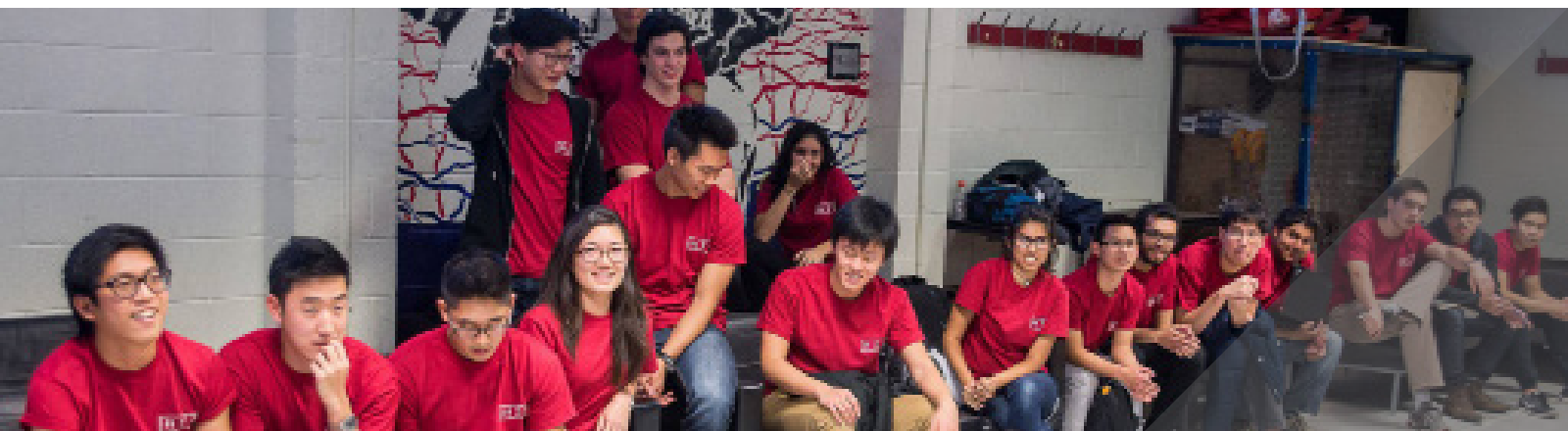
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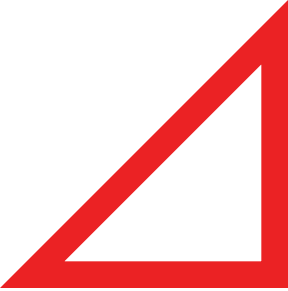
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Sponsorship Application Form

Name of Company

Name of Person of Contact

Phone

E-mail

Level of Package:

| | | | |
|--|--------------------------|--------------------------|--------------------------|
| Special Packages: | Opening Ceremony | Awards Cocktail | Red Carpet Dinner |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| If your choice is unavailable, please select an alternative: | | | |
| | | Platinum | Gold |
| | | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | |
|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Regular Packages: | Platinum | Gold | Silver | Bronze |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

How many judges are you willing to send?

Which Categories would you like to judge?

Special Requests or Comments:

