

# MCGILL ENGINEERING COMPETITION

*Nov. 8th-10th, 2019*





## What is MEC?

*The McGill Engineering Competition (MEC) is a weekend-long interdisciplinary engineering competition that enables students from all engineering backgrounds to develop their problem solving and communication skills. This competition aims to provide a setting for professional engineering practice while fostering relationships with industry partners. The event itself is made up of eight individual competitions listed on the next page.*

# OUR COMPETITIONS

## **SENIOR DESIGN**

*This category is the cornerstone of MEC. Teams are given twelve hours to develop a prototype to solve an advanced engineering problem. The design process involves complex elements and requires a high degree of knowledge of engineering concepts.*

## **JUNIOR DESIGN**

*Teams are given eight hours to develop a prototype to solve a basic engineering problem. The design process uses simple elements and requires a basic understanding of engineering concepts.*

## **INNOVATIVE DESIGN**

*Participants present their own innovative designs that they independently developed before the competition. This competition is highly technical and participants are expected to carry out market research, feasibility studies, and create a business proposal for their product in order to promote their solution.*

## **ENGINEERING COMMUNICATION**

*Competitors are required to explain a complex engineering process or product to judges. The purpose is to make intangible concepts accessible to anyone, regardless of their educational background. Participants are judged on the clarity of their presentation and on their critical analysis.*

## **CONSULTING**

*Participants are given five hours to develop a complete solution to an engineering related problem presented the day of the competition. Competitors must consider social, environmental, economic, and technical aspects of the problem in their proposal and presentation.*

## **RE-ENGINEERING**

*Teams are asked to improve and optimize existing products so that they meet new constraints and requirements. Competitors will be evaluated on the originality of their solutions, their technical knowledge, and the professionalism of their presentation.*

## **SCIENTIFIC RESEARCH PRESENTATION**

*In this category, graduate students are required to present a Master's or Doctorate project to the judges and the public. Competitors will be evaluated on the innovation and technical feasibility of their project, the clarity of their presentation and their ability to speak in accessible terms.*

## **IMPROMPTU DEBATE**

*Two teams are pitted against each other in a traditional debate setting to argue a motion that will be disclosed the day of the competition. Teams are judged on the relevance of their arguments, their public speaking skills, and ability to convey clear and structured reasoning.*



# JOIN US!

***MEC is great opportunity to grow, expand and diversify your network of potential employees and can help in your recruitment search***

- MEC brings together the most skilled and passionate engineers that McGill has to offer
- See engineering skills/ in action problem solving
- Access a diverse community of engineers from many backgrounds

# WHAT WE OFFER

## **JUDGE POSITIONS**

*Secure judge spots at one of our many competitions and Interact directly with students throughout the competition.*

## **PUBLICITY**

*Have your logos and company name featured on: participant merchandise, MEC banners, social media, our competition website*

## **COMPETITION GUIDE**

*Have a dedicated written feature in our competition guide that will be distributed to all participants*

## **PARTICIPANT CV CATALOGUE**

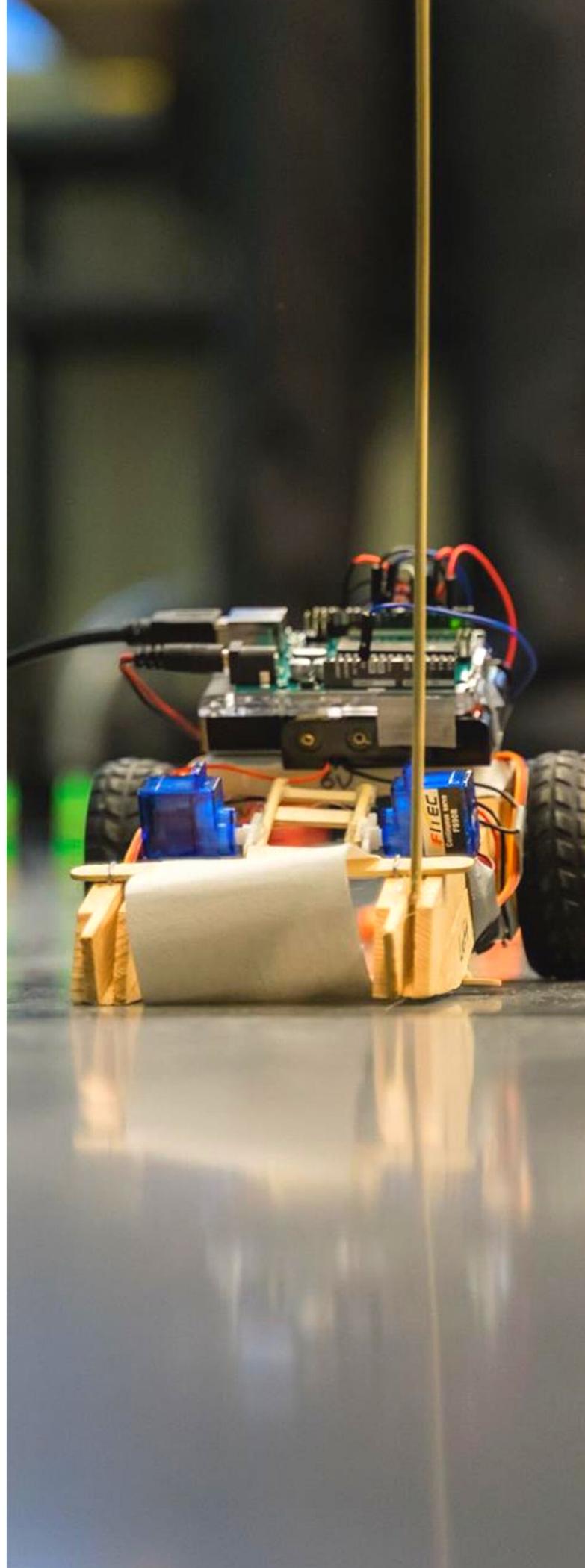
*Access a catalogue of CV's gathered from participants, sorted by placement in the competition*

## **COMPETITION TITLE SPONSOR**

*Company name and logo tied to a competition of your choosing and executive control of the competition and judging process*

## **EVENT TITLE SPONSOR**

*Company name and logo tied to a specific event (ex. awards ceremony). Keynote speech of your choosing at said event and exclusive access to said event.*



# CONTACT US

## **JULIA RAFFERTY**

*Vice President Sponsorship*

*(438) 979-7678*

*mec.sponsorship@mcgilleus.ca*

## **OWEN QUINN**

*MEC Chair*

*(613) 862-5777*

*mec@mcgilleus.ca*

