



SPONSORSHIP PACKAGE  
**SEISMIC DESIGN TEAM**  
MCMASTER UNIVERSITY



**EERI**  
McMaster

# A MESSAGE

## FROM THE CAPTAINS

On behalf of the McMaster Seismic Design Team, we would like to thank you for considering a partnership with our team. We are a group of over 60 dedicated undergraduate students, working together to compete in the 12th Annual EERI Seismic Design Competition. In March 2019 we will be travelling to Vancouver, British Columbia to compete against over forty teams from across the world.

Since the establishment of the team in 2015, the McMaster Seismic Design Team has been a resource for undergraduate students to learn and apply aspects of Structural Engineering, Project Management and Architecture. The competition gives undergraduate students around the globe the opportunity to work on a hands-on project designing and constructing a cost-effective frame building that resists seismic loading. This year will be our fourth year competing in this prestigious competition, and we would greatly appreciate your support. As a sponsor, you would be contributing to the professional development of our students while having your company's name marketed on a global scale with our team.

Within this package you will find more information about our team, as well as different ways to partner with us. We are dedicated to and excited for what the future has in store for this team. If you have any question please don't hesitate to get in contact with us at any time.

Thank you for your time and consideration,



A handwritten signature in black ink, appearing to read 'Hassan'.

**Hassan Alokaily**  
Civil Engineering III



A handwritten signature in black ink, appearing to read 'Gregory'.

**Gregory Smilski**  
Civil Engineering & Society IV

# ABOUT

## THE COMPETITION

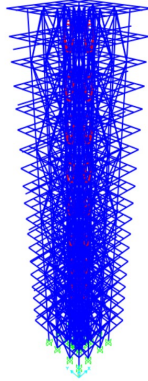
The EERI (Earthquake Engineering Research Institute) Seismic Design Competition is an annual international engineering competition involving **teams of undergraduate students from over 40 universities from around the globe**. Since beginning in 2004, the competition has been an opportunity for undergraduate students to develop their project management, creativity, and communication skills. This year the competition will be held in **Vancouver, British Columbia**.

After submitting a proposal detailing the prerequisite seismic and geotechnical knowledge for constructing the building, every team designs and builds a frame structure out of balsa wood that is tested for its performance in resisting seismic loads. Teams are scored on their building's performance during the shake, the accuracy of their analytical prediction of their building's shake performance, and how weight-efficient the building is. Teams are also tasked with creating an architectural rendering of the building that is inspired by, and seamlessly fits into, the skyline of the city hosting the competition. All of these pieces are summarized in an oral presentation and a poster that teams must prepare. This opportunity to experience the entire construction process from proposal to design to completion allows undergraduate students to expand their knowledge of earthquake engineering and project management.



# DESIGN

The Structural Subcaptain designs the structural component of the building while following the constraints set out in the competition rules. The Subcaptain models the structure in SAP2000 and develops a design that is both light and structurally efficient. Numerous models are produced and refined before a final design is chosen.



# CONSTRUCTION

Once the design of the building is finalized, the Construction Subcaptain organizes and competes the build of the structure. This begins with laser cutting members out of sheets of balsa wood. To ensure the model is completed with minimal human errors, small sections of the structure are completed using plexiglass rigs. Once the building is completed it is packed up and shipped to the competition, ready to be tested!



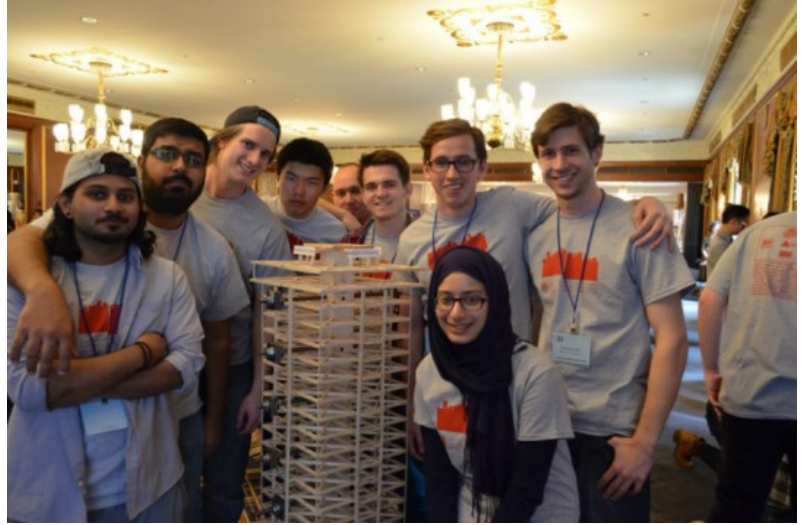
# ARCHITECTURE

While the design and the build are being completed, the Architecture Subcaptain designs and creates an architectural rendering. Created in Revit and added to a backdrop of the host city using Photoshop, the model must be inspired by the host city's culture, cityscape, and environment.



# STRUCTURES

BOSTON 2015



PORTLAND 2017



LOS ANGELES  
2018





**Top 4  
University in  
Canada**  
-Time's Higher  
Education 2018

**8th Best  
Engineering  
Program in  
Canada**  
-MacLean's  
2018

# HOW DO YOU BENEFIT?



**3rd Best  
Civil Engineering  
Program in  
Canada**  
-Shanghai Ranking  
2018

By partnering with our team, your company becomes associated with one of the **top universities and engineering programs in the country**. This provides communication between your company and the future prospective engineers of McMaster.

Furthermore, the competition takes place as a part of the **EERI Annual Meeting**. By having your name and logo on our project, we **provide exposure for your organization to the professional, international attendees of the competition and conference**.

Lastly, by assisting our team financially, you greatly reduce the costs of attending the competition for the students, **furthering the growth of engineering innovation and problem solving techniques**.

















# SPONSORSHIP

## HOW CAN YOU SUPPORT

Products & Services

Monetary Assistance

Industry Experience

Team Exhibit at Company Event				
Logo on Team Apparel				
Logo on Poster				
Name on Team Apparel				
Name on Poster				
Team Picture				
	<b>Platinum</b> \$1000+	<b>Gold</b> \$500 - \$999	<b>Silver</b> \$300 - \$499	<b>Bronze</b> Under - \$300





# THANK YOU

Without the help from generous sponsors supplementing some of the costs of materials and accommodations, our team wouldn't be able to provide students with the valuable experience offered by the EERI Seismic Design Competition. Any help you could offer would be greatly appreciated! Please let us know if you are interested in partnering with us. Thank you for your time and consideration.

**Follow along with our team's progress on social media!**

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