PRE-DELEGATE PACKAGE

ONTARIO ENGINEERING COMPETITION

QUEEN’S UNIVERSITY

JANUARY 26TH-28TH, 2024
Through your dedication and creativity, you have earned a spot at the **2024 Ontario Engineering Competition**, proudly hosted by **Queen's University** in Kingston, Ontario. The Organizing Committee is thrilled to invite you to our esteemed city and university for this honorable and significant occasion. As you engage in a weekend filled with rigorous competition and professional networking, our team will be dedicated to making your stay both comfortable and memorable. We **encourage** you to **carefully review** the details in this package, as they are essential for your preparation for OEC 2024 and will contribute to the smooth running of the event.

**LAND ACKNOWLEDGEMENT**

To begin, let us acknowledge that Queen’s is situated on traditional Anishinaabe (Ah- nish-in-ah-bay) and Haudenosaunee (Ho-den-o-show-nee) territory. We are grateful to be able to live, learn and play on these lands.
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The Ontario Engineering Competition (OEC) is a prestigious annual 3-day event, bringing together over 300 of Ontario's brightest and most talented engineering students. In January of 2024, this esteemed gathering, now in its 45th year, will be hosted by Queen's University. The event is continuing the legacy that began in 1980.

At OEC, students from sixteen universities across Ontario, spanning various disciplines and academic years, unite to tackle unique and complex engineering challenges. These competitions, now encompassing 9 different categories, provide a platform for participants to showcase their ingenuity, technical prowess, and problem-solving abilities. Students present their innovative solutions to a panel of judges, comprising industry professionals who engage deeply with all facets of the competition, including banquets, networking sessions, and the presentations themselves.

To qualify for OEC 2024, each team must have secured a first-place position in their home institution's qualifying competitions. The winners of OEC 2024 will earn the opportunity to advance to the national Canadian Engineering Competition (CEC), hosted by the University of Calgary in March 2024.
On behalf of the entire executive team, we would like to extend our congratulations for making it to the 45th Annual Ontario Engineering Competition (OEC), hosted at Queen’s University from January 26th-28th, 2024.

This annual province-wide event brings together the highest-ranked students from 16 different universities across Ontario. This competition will allow you to take what you learned in the classroom and apply it to industry-relevant competition categories.

Our team has been working diligently towards making OEC 2024 a success, thinking of new and creative ways to improve your competition experience. We are looking forward to meeting you all at OEC 2024! This package provides a general overview of what this year’s competition will look like. If you have any questions, please feel free to reach out to either of us.

Hayley Galsworthy

Renner Siebens
Located where the St. Lawrence River meets Lake Ontario, Kingston is a city rich in history and modern charm. Known as the "Limestone City" for its beautiful 19th-century limestone architecture, Kingston is not only a UNESCO World Heritage Destination but also a vibrant hub of culture and education.

Home to Queen's University, this picturesque city offers a unique blend of old-world charm and contemporary conveniences. As you explore the historic downtown, you'll discover a lively arts scene, eclectic dining experiences, and plenty of winter activities. Kingston's welcoming atmosphere and scenic beauty make it the perfect backdrop for innovation and collaboration during the Ontario Engineering Competition.

We hope you enjoy your stay in this gem of Eastern Ontario!
Innovation meets tradition in the dynamic world of engineering. Every breakthrough is a result of a relentless cycle of designing, testing, and refining. However, our solutions often come with unintended consequences for the environment, society, and our cultural heritage. Facing these challenges, engineers are called to blend cutting-edge ideas with time-honored traditions. This theme encourages engineers to re-examine and reinvent existing designs, considering their broader impacts. The goal is not just to find a single perfect solution, but to continuously improve, balancing innovative technology with sustainable and socially responsible practices. It's about building a future where progress and tradition coexist, driving us towards smarter, more sensitive engineering.
VENUES & LOCATIONS

1. Athletics and Recreation Centre (ARC) - 284 Earl St, Kingston
2. Biosciences Complex - 116 Barrie St, Kingston
3. Beamish-Munro Hall (BMH) - 45 Union St, Kingston
4. Mitchell Hall - 69 Union St, Kingston
5. Ellis Hall - 58 University Ave, Kingston
6. Kingston Hall - 103 Stuart St, Kingston
Competitors will be staying at the Holiday Inn (2 Princess St) and Delta Hotel (1 Johnson St).

Rooms will be available nights of Friday January 26th and Saturday January 27th.

**ACCOMMODATIONS**

**DINING**

**Friday, January 26th**
- Appetizer style dinner

**Saturday, January 27th**
- Breakfast, lunch, dinner, and snacks with coffee and tea throughout the day

**Sunday, January 28th**
- Breakfast and lunch provided
These services are available during your stay, and may help on arrival:

Amey’s Taxi - (613) 546-1111
  • Wheelchair accessible upon request

Kingston Transit - schedule and fares
  • Transfer point located in downtown Kingston
  • Please note that Kingston Transit does NOT accept PRESTO cards

Each hotel is a 10-20 minute walk from each of the competition buildings.
ALL TIMES ARE TENTATIVE AND SUBJECT TO CHANGE

Friday
- 06:30 am: Hotel Arrival & Check In
- 07:00 am: Breakfast
- 07:30 am: Comp. Briefing
- 08:00 am: Design Phase
- 08:30 am: Break
- 09:00 am: Lunch
- 09:30 am: EngSoc Professional Development Workshop
- 10:00 am: Evening Banquet
- 10:30 am: Social Event
- 11:00 am: Dinner + Social Event
- 11:30 am: Opening Ceremonies
- 12:00 pm: Lunch
- 12:30 pm: Design Phase
- 01:00 pm: Baggage Hold Last Call
- 01:30 pm: Lunch + Final Awards Banquet
- 02:00 pm: Baggage Pickup
- 02:30 pm: Departure

Saturday
- 06:30 am: Breakfast
- 07:00 am: Comp. Briefing
- 07:30 am: Design Phase
- 08:00 am: Break
- 08:30 am: Lunch
- 09:00 am: EngSoc Professional Development Workshop
- 09:30 am: Transport and Banquet Arrival
- 10:00 am: Evening Banquet
- 10:30 am: Social Event
- 11:00 am: Dinner + Social Event
- 11:30 am: Opening Ceremonies
- 12:00 pm: Lunch
- 12:30 pm: Design Phase
- 01:00 pm: Baggage Hold Last Call
- 01:30 pm: Lunch + Final Awards Banquet
- 02:00 pm: Baggage Pickup
- 02:30 pm: Departure

Sunday
- 06:30 am: Breakfast
- 07:00 am: Judging + Career Fair
- 07:30 am: Baggage Hold Last Call
- 08:00 am: Lunch + Final Awards Banquet
- 08:30 am: Baggage Pickup
- 09:00 am: Departure
JUNIOR DESIGN

First and second-year students design creative solutions to real-world engineering problems, presenting practical solutions within time and resource constraints.

DEBATE

Students develop and present arguments for or against an impromptu resolution, engaging in multiple rounds of logic and rhetoric-based debate.

COMMUNICATIONS

Competitors explain the social, economic, technological, and environmental impacts of complex engineering topics in understandable terms.

RE-ENGINEERING

Engineering students redesign existing solutions to improve performance, utilizing diverse skillsets.
SENIOR DESIGN
Participants use multidisciplinary knowledge to design technical solutions to advanced engineering problems, presenting functional solutions under resource constraints.

Carter Moore
Senior Design Lead
Jamie Glerum
Senior Design Lead
Lauren Luyks
Senior Design Lead

INNOVATIVE DESIGN ★
Students develop and present arguments for or against an impromptu resolution, engaging in multiple rounds of logic and rhetoric-based debate.

Ethan Varkul
Innovation Lead

PROGRAMMING
Teams code software solutions for complex computational challenges, focusing on execution time, correctness, and overall performance.

Ahmed Elsaeed
Consulting Lead
Teema Mackay
Consulting Lead

CONSULTING ☪
Competitors develop and present detailed solutions to multidimensional engineering challenges, demonstrating understanding of various impacts.

BIO-ENGINEERING
Students are tasked with using core engineering principles to develop solutions to bio-engineering problems based on provided narratives with complications.

Nimaat Salami
Bio-Engineering Lead
Noel Pettit
Bio-Engineering Lead
ONTARIO ENGINEERING COMPETITION
EXECUTIVE TEAM 2024

GRAPHICS
- Kayla MacKenzie
  VP Graphic Design
- Sophie Goodman
  VP Graphic Design

TECHNICAL
- Sabrina Button
  VP Technical
- Keven Li
  Webmaster

COMPETITIONS
- Mikayla Perrin
  VP Competitions
- Charlotte Murat
  VP Competitions

LOGISTICS
- Lobsang Wangkhang
  VP Logistics
- Ali Bekheet
  VP Logistics
- Kaito Hara-Lee
  Logistics Coordinator
- Cora Neave
  Logistics Coordinator
- Valeriya Ilinch
  Logistics Coordinator
- Bronwyn Faulkner
  Logistics Coordinator

SPONSORSHIP
- Stephanie Gilmour
  VP Sponsorship
- Maya Fijalkowski
  Sponsorship Coordinator

COMMUNICATIONS
- Camille Miller
  VP Communications
- Oliver Morrow
  Communications Coordinator
- Cameron Isfeld
  Communications Coordinator
- Heer Chhugani
  Communications Coordinator

MARKETING
- Maahum Khan
  Marketing Coordinator
- Alice Stapleton
  Marketing Coordinator
- Jaiden Relouw
  Marketing Coordinator
- Andrea Dovale-Puig
  Marketing Coordinator

FINANCE
- Emilie Robidas-Stephan
  VP Finance
Registration for OEC 2024 is now open!

By scanning the QR code below, you will gain access to the registration form. Please fill it out before the deadline of December 25th, 2023.

The official Delegate Package, containing a detailed itinerary and updates on events, socials, and more, will be sent out in early January.

Stay tuned for more information, including the competition rulebook, which will soon be available under the Competitors tab at https://oec-cio.ca.
For any further questions, please contact us at the email address

**oec.communications@engsoc.queensu.ca**

or visit our website

[https://oec-cio.ca](https://oec-cio.ca)

for competition information. The delegate package will be released closer to the competition date.
THANK YOU TO ALL OF OUR SPONSORS!
THANK YOU!

We are so excited to welcome you to Queen’s and host OEC 2024! We hope the competition is an opportunity for you to learn, play, and grow. We are truly grateful for your interest and participation in OEC, and we hope you gain new skills, knowledge, and interests throughout the event that you can apply to your studies, and career.