

University of Waterloo



University of Waterloo proudly hosts:

# Ontario Engineering Competition 2005

2005  
Ontario Engineering Competition

OEC 2005 Organizing Committee  
Carl Pollock Hall • University of Waterloo  
200 University Ave. West • Waterloo • Ontario • N2L 3G1  
<http://www.oec2005.uwaterloo.ca>







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## Introduction

Excellence, ingenuity, communication and proficiency in engineering are the celebrated principles of the Ontario Engineering Competition (OEC). In 2005, the 26th annual OEC will attract over 200 students from the finest engineering schools in Ontario and from local high schools. There are seven categories in which students can showcase their engineering skills:

1. Corporate Design
2. Entrepreneurial Design
3. First Year Team Design
4. Senior Team Design
5. Editorial Communications
6. Explanatory Communications
7. Parliamentary Debate

By sponsoring the OEC, you will be promoting a positive image of your corporation to future leaders in the engineering field.

### Goals of competition

- To provide an opportunity for undergraduate engineering students to develop, demonstrate and test their skills in engineering and communication.
- To promote productive interaction between engineering students and professional engineers from industry, government, professional engineering associations, and universities.



Accepting an award for Junior Team Design





# Benefits of Sponsorship

## Why sponsor OEC?

Exceptional engineering students from universities across Ontario will be participating in the OEC. Sponsors are given the opportunity to interact with these individuals during the 3-day event. Specifically, sponsors will receive the following benefits:

- Company name and logo on all official literature
- Company logo on all OEC posters
- Company logo on OEC website and t-shirts
- Opportunity to distribute promotional items
- Involvement in Corporate Design event
- Interaction with talented students at:
  - Competition events,
  - The Career Fair,
  - Dinners,
  - Evening social events.

There are six levels of sponsorship:

1. Sustaining Major Patron
2. Major Patron
3. Patron
4. Contributor
5. Donor
6. Exclusive Provider

The Sponsorship Team is more than happy to provide further assistance to suit your company's needs. Contact Christopher Blake, Michelle Hur or William Lam by telephone at (519) 888-4762 or by e-mail at [oc2005@engmail.uwaterloo.ca](mailto:oc2005@engmail.uwaterloo.ca).



## Sponsorship Levels



### Sustaining Major Patron

\$5000 and up

A Sustaining Major Patron of the OEC is a committed patron for many years. This company holds a position on the OEC Advisory Board. This company may send judges and promotional representatives to the OEC. Benefits include:

- Dedicated promotional booth at competition
- Full page advertisement in publications
- Name appears on sponsors page of publications
- Large logo displayed on web page with active hyperlink
- Large display of name and logo on sponsors board



### Major Patron

\$5000 and up

A Major Patron of the OEC is committed for one year. This company may send judges and promotional representatives to the OEC. Benefits include:

- Dedicated promotional booth at competition
- Full page advertisement in publications
- Name appears on sponsors page of publications
- Large logo displayed on web page with active hyperlink
- Large display of name and logo on sponsors board



### Patron

\$3000 to \$4000

A Patron is a mid-level sponsor for one year. This company may send judges and promotional representatives to the OEC. Benefits include:

- Shared promotional booth at competition
- Half page advertisement in publications
- Name appears on sponsors page of publications
- Logo displayed on web page with active hyperlink
- Medium display of name and logo on sponsors board



# Sponsorship Levels



## Contributor

\$1000 to \$3000

A Contributor is a sponsor for one year. This company may send judges and promotional representatives to the OEC. Benefits include:

- Shared promotional booth at competition
- Logo appears in publications
- Name appears on sponsors page of publications
- Name displayed on web page with active hyperlink
- Display of name and logo on sponsors board



## Donor

Less than \$1000

A Donor is a sponsor for one year. This company may send judges and promotional representatives to the OEC. Benefits include:

- Shared promotional booth at competition
- Name appears on sponsors page of publications
- Name displayed on web page with active hyperlink
- Name appears on sponsors board



## Exclusive Provider

Any amount

As a company or organization in the fields mentioned below, you are invited to become an exclusive provider for OEC 2005. Your contribution is greatly appreciated.

- Transportation
- Computer Equipment
- Communication Equipment
- Food Products

## Project Milestones

### **February - April 2004**

Formation of executive committee

### **May - August 2004**

Plan individual competitions

### **September - December 2004**

Confirm sponsors and judges

### **January 2005**

Confirm competitors

### **February 2005**

Event takes place

### **March 2005**

Competition report



Final awards banquet with participants and sponsors





# Competition Categories



## Corporate Design

**Objective:** To propose a solution that solves an engineering related problem as posed by a company.

**Criteria:** Originality, ingenuity, creativity, economic feasibility, and technical design.



## Entrepreneurial Design

**Objective:** To develop a business plan for an innovative product, service or process.

**Criteria:** Originality, market analysis, economic and technical feasibility, profitability and presentation.



## First Year Team Design

**Objective:** To complete a design challenge that is divulged on the day of the event. The solution must be implemented with limited time and materials. Students will work in groups of four.

**Criteria:** Originality of design, functionality of prototype, team spirit and presentation.



## Senior Team Design

**Objective:** To complete a design challenge that is divulged on the day of the event. The solution must be implemented with limited time and materials. Students who are in their third year and higher work in groups of four.

**Criteria:** Originality of design, functionality of prototype, team spirit and presentation.

# Competition Categories



## Editorial Communications

**Objective:** To present and defend an opinion on the sociological impact of a current technological issue.

**Criteria:** Quality of research, ability to express opinions, and keeping audience interest.



## Explanatory Communications

**Objective:** To convey a technical subject or process such that it can be understood by the general public.

**Criteria:** Quality of research, clarity, conciseness, presentation, public interest, and the use of audiovisual aids.



## Parliamentary Debate

**Objective:** To present a well-reasoned viewpoint with a minimum of presentation time in teams of two.

**Criteria:** Ability to defend or refute a previously undisclosed resolution using the format of parliamentary style debate.



# Judging

The OEC welcomes your expertise to our judging committee. Judges typically have an engineering background, but anyone is welcome to join. You may volunteer to judge in any of the seven events.

There are many benefits to attending the OEC as a judge:

- Paid accommodation and meals
- Invitation to all events
- Networking and company exposure
- Opportunity to analyse and evaluate engineering solutions and to provide comprehensive feedback to students
- May bring a guest for a reduced price



Judging the Junior Team Design Event

# Event Logistics

## The Venue

The OEC will be held in Kitchener-Waterloo, Ontario from February 11 to 13, 2005. Events will be held at the University of Waterloo, while accommodations for participants, judges and guests will be at the Four Points by Sheraton in Kitchener.



## Schedule

	<b>Friday February 11</b>	<b>Saturday February 12</b>	<b>Sunday February 13</b>
<b>Morning</b>	<ul style="list-style-type: none"> <li>• High school competition</li> </ul>	<ul style="list-style-type: none"> <li>• Breakfast</li> <li>• Competitions begin</li> </ul>	<ul style="list-style-type: none"> <li>• Breakfast</li> <li>• Departure</li> </ul>
<b>Afternoon</b>	<ul style="list-style-type: none"> <li>• Competitors and Judges arrive</li> <li>• Registration</li> </ul>	<ul style="list-style-type: none"> <li>• Lunch</li> <li>• Career Fair</li> <li>• Competitions continue</li> </ul>	
<b>Evening</b>	<ul style="list-style-type: none"> <li>• Dinner</li> <li>• Opening speaker</li> </ul>	<ul style="list-style-type: none"> <li>• Final Award Banquet</li> <li>• Closing speaker</li> <li>• Social Event</li> </ul>	



# Conclusion

## Measures of success

- Positive feedback from sponsors: they have benefited from the interaction with students, from the publicity, and from the competition as a whole.
- Positive feedback from participants: they have been challenged by the experience and have learned about industry and the engineering profession.
- All events run successfully: organizing committee adapts to any situations that arise.

## Closing remarks

The organizing committee of the 2005 OEC is composed of motivated and energetic students who are determined to make the event a success. However, we need your help to ensure this goal. Please join us in hosting the 2005 OEC at the University of Waterloo.

If you have any questions, please feel free to contact anyone on the Sponsorship Team.

### **Vice-Presidents Sponsorship**

Christopher Blake, Michelle Hur, William Lam

Telephone: (519) 888-4762

Fax: (519) 725-4872

E-mail: [oc2005@engmail.uwaterloo.ca](mailto:oc2005@engmail.uwaterloo.ca)

Thank you for taking the time in reading this package. We look forward to having you as a part of our team.







## Sponsorship Form

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Company \_\_\_\_\_

Address \_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Title \_\_\_\_\_

Phone Number \_\_\_\_\_

E-mail Address \_\_\_\_\_

Sponsorship Amount \_\_\_\_\_

Sponsored Event  
(Sustaining Major Patron) \_\_\_\_\_

Select One:  Request Invoice  Cheque Enclosed

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Signature

Date

Please send a copy of the company logo in a high quality digital format (JPEG, GIF, PS) by e-mail to [oec2005@engmail.uwaterloo.ca](mailto:oec2005@engmail.uwaterloo.ca), or indicate a website where one is available. The logo will be used in competition publications.

Please send form to:

Ontario Engineering Competition 2005  
c/o Engineering Society  
University of Waterloo  
Carl Pollock Hall, Room 1327  
Waterloo, Ontario N2L 3G1



**The OEC 2005 Organizing  
Committee thanks you for  
your support!**

