



*Redefining Engineering*



# PRE-COMPETITION GUIDE



**ONTARIO ENGINEERING COMPETITION  
WATERLOO, ON  
JANUARY 29th - 31st, 2010**

# TABLE OF CONTENTS

Introduction .....	2
Arriving in Waterloo .....	3
Registration .....	4
Schedule .....	5
Dress Code .....	8
Things to Bring .....	9
Competitions .....	10
Contact Information... ..	11

# INTRODUCTION

This pre-competition guide contains general information about the 2010 Ontario Engineering Competition at the University of Waterloo, held January 29th to 31st. Please read through it to find out important details regarding schedules, dress code and events.

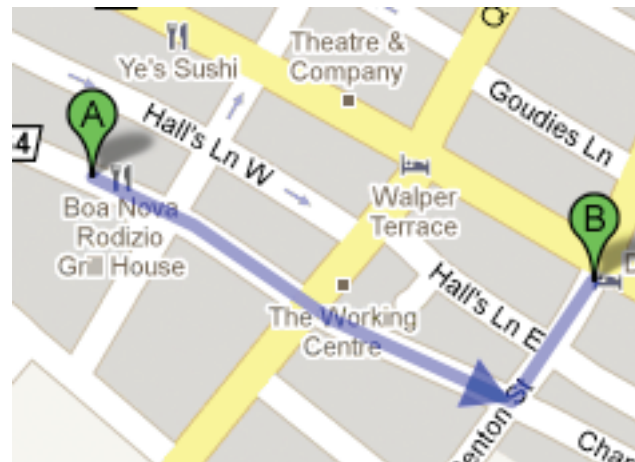
We look forward to seeing everyone during the competition weekend!

# ARRIVING IN WATERLOO

The address of the **Delta Kitchener Waterloo Hotel** is:  
105 King Street East, Kitchener, ON N2G 2K8, (519) 744-4141

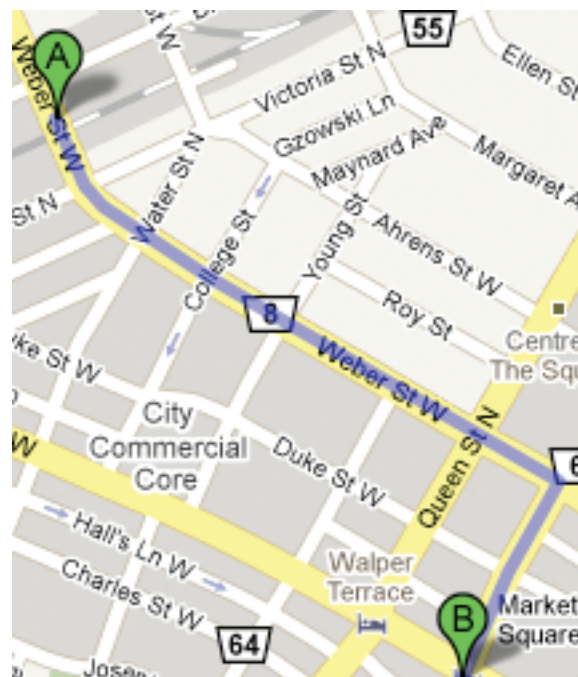
If you are arriving by **bus**  
via **Charles Terminal**:

1. Exit Charles Terminal
2. Head southeast on Charles St W,  
toward Ontario St S
3. Take the 3rd left onto Benton St
4. Hotel is on the right



If you are arriving by **Via Rail**  
via the **Kitchener Station**:

1. Head southeast on Weber St W  
toward Victoria St N
2. Turn right at Frederick St
3. Continue onto Benton St
4. Hotel is on the left



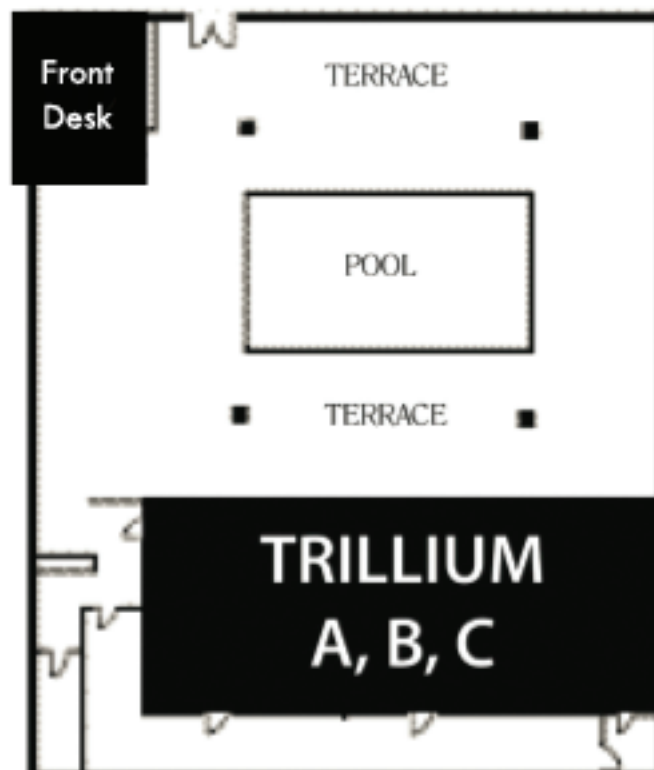
# REGISTRATION

Hotel check-in and competition registration will take place at the Delta Hotel in Kitchener, from 3:00pm to 9:00pm on Friday, January 29th.

Registration will be located in Trillium Room A. During Registration, you will be given your hotel room assignments (if applicable), competitor handbook, t-shirt, bag and other gear.

## HOTEL FLOOR MAP

### MAIN FLOOR



Friday, January 29 <sup>th</sup> , 2010		
15:00 – 21:00	Hotel Check in and Competition Registration	Delta Hotel – Trillium Room A
16:30 – 17:00	Judge Briefings for Junior Design, Senior Design, and Consulting Engineering	Delta Hotel – Trillium Room C (Junior Design) Kitchener Room 1 (Senior Design) Kitchener Room 4 (Consulting)
16:30 – 17:30	Judge Briefings for Parliamentary Debate	Delta Hotel – Kitchener Room 3
17:00 – 17:30	Judge Briefings for Engineering Communications and Innovative Design  Competitor Briefings for Consulting Engineering	Delta Hotel – Trillium Room B (Communications)  Trillium Room C (Innovative Design)  Kitchener Room 4 (Consulting)
17:30 – 18:00	Cash Bar Opens Before Welcome Dinner	Delta Hotel – Grand Ballroom
18:00 – 20:00	<b>OEC 2010 Welcome Dinner</b>	Delta Hotel – Grand Ballroom
19:30 – 20:00	Judges and Competitors of Senior Design Depart to Campus	Meet in the Front Lobby
20:00 - 20:30	Judges and Competitors of Consulting Engineering Depart to Campus	Meet in the Front Lobby
20:00 – 20:30	Competitor Briefings for Parliamentary Debates and Junior Design  Senior Design Briefings and Release of Problem Statement	Delta Hotel – Trillium C (Debates) Delta Hotel – Grand Ballroom (Junior Design) Douglas Wright Engineering (DWE) 1501 (Senior Design)
20:30 – 21:00	Competitor Briefings for Engineering Communications and Innovative Design	Delta Hotel – Trillium Room B (Communications) Trillium Room C (Innovative Design)
20:30 – 21:15	Consulting Engineering Scope of Work Release	J R Coutts Engineering Lecture Hall (RCH) 301

20:30 – 4:30	Senior Design Build Phase	Various in DWE
21:00 – 21:30	Judge and Sponsor Social – Wine & Cheese Coffee House	Delta Hotel – Kitchener Rooms 1 – 3
21:15 – 3:15	Consulting Engineering Design Phase	Various in RCH
21:30 – 23:00	<b>Friday Night Social - Wine &amp; Cheese Coffee House</b>	Delta Hotel – Kitchener Rooms 1 – 3
21:30 – 1:00	On Demand Transportation for Judges Back to the Hotel	Depart from the Ring Road at DWE
3:15 – 5:15	Buses for Competitors of Senior and Consulting Engineering Back to the Hotel (every 30 mins)	Depart from the Ring Road at DWE

<b>Saturday, January 30<sup>th</sup>, 2010</b>		
6:00 – 10:00	Breakfast at the Hotel	Delta Hotel – Grand Ballroom
7:00 – 18:30	Bus #1 Shuttles Continuously Between the Hotel and Campus (every 30 mins)	Shuttles Between the Hotel and the Davis Centre (DC)
7:30 – 9:45	Bus #2 Shuttles During Peak Morning Period (every 30 mins)	Shuttles Between the Hotel and the Davis Centre (DC)
8:00 – 8:30	Junior Design Release of Problem Statement	DWE 1501
8:30 – 12:15	Communications Engineering Presentations	RCH 309
8:30 – 10:00	Innovative Design Setup	DC Foyer
8:30 – 12:30	Junior Design Build Phase	Various in DWE
9:00 – 12:30	Consulting Engineering Presentations	RCH 307
9:00 – 12:45	Parliamentary Debate Preliminary Rounds	DC 1350, DC 1351, DC 1302, DC 1304
10:00 – 12:30	Innovative Design Presentations	DC Foyer

10:00 – 16:00	<b>Career Fair Graduate Studies Fair Innovative Design Booths Open</b>	DC Foyer
10:30 – 13:15	Senior Design Presentations	RCH 301, RCH 302
12:00 – 14:00	Lunch	DC 1301 (Fishbowl)
12:45 – 14:15	Communications Engineering Presentations	RCH 309
13:00 – 14:00	Innovative Design Presentations	DC Foyer
13:00 – 15:00	Consulting Engineering Presentations	RCH 307
13:00 – 16:30	Junior Design Presentations and Demonstrations	DWE 2536
13:30 – 14:30	Parliamentary Debate Semi-Finals	DC 1350, DC 1351
13:45 – 16:30	Senior Design Demonstrations	RCH 301
14:30 – 15:30	Parliamentary Debate Finals	DC 1350
16:00 – 18:30	Bus #2 Shuttles During Peak Evening Hours (every 30 mins)	Shuttles Between the Hotel and the Davis Centre (DC)
18:00 – 18:45	Pre-Banquet Cocktails	Delta Hotel – Grand Ballroom
18:45 – 22:00	<b>Awards Banquet</b>	Delta Hotel – Grand Ballroom
22:00 – 23:00	Buses to Frederick Lanes	Meet in the Front Lobby
22:30 – 1:00	<b>Saturday Night Social - Bowling</b>	<b>Brunswick Frederick Lanes (385 Frederick Street)</b>

<b>Sunday, January 31<sup>st</sup>, 2010</b>		
6:00 – 12:00	Breakfast at Tim Horton's (Open 24 Hours)	Corner of Frederick & Lancaster (197 Frederick Street)
8:00 – 12:00	Check out	Delta Hotel
9:00 – 14:00	OEC Advisory Board Meeting	Delta Hotel - Trillium Room A - C



# DRESS CODE

Please observe the following dress code to maintain the professional nature of OEC 2010.

## Friday Night

**Welcome Dinner:** The Friday night dinner is the first major event at the competition and gives all the competitors, judges, observers, and organizers a chance to meet. Business Casual or casual is acceptable for the dinner. Those participating in the Senior Team Design or Consulting Engineering competitions may want to wear casual clothes to dinner as they will be leaving the dinner early in order to take a shuttle to campus where the competition will be starting shortly after.

**Wine & Cheese Social:** The participants who do not have competitions running on Friday night will have a wine and cheese social event. Since this will be in a formal atmosphere, competitors are encouraged to wear at least a semi-formal attire.

## Saturday

**Competitions:** Parliamentary Debate, Engineering Communications, and Innovative Design categories will maintain a professional environment so business attire is strongly recommended.

In the Junior Team Design, Senior Team Design, and Consulting Engineering categories, competitors should wear business attire for their presentation to the judges. Junior Team Design competitors may dress in casual attire for the build and design portion of the competition, however if they wish to change they will have to bring a change of clothes with them. Competitors will not have a chance to return to the hotel before presentations.

**Career Fair:** Business attire is recommended for the career fair as sponsors and representatives from various employers will be present.

**Awards Banquet:** Semi-formal or formal attire is strongly encouraged for this event. It will be a formal dinner where there will be a few speakers and the winning teams will be announced.

**Bowling Social:** This is a low key social event to end the competition. Competitors should dress casually. Please bring running shoes.

# THINGS TO BRING

Government-issued ID

Health Card

Deposit for the Hotel

Laptop and USB Key if applicable (only certain competitions permit the use of laptops)

Camera (there will be plenty of Kodak moments)

Pens and Paper

Dress Code Attire

Money for food and drinks at social events

# COMPETITIONS

## Junior Team Design

First and second year students compete in teams of four to solve an engineering problem presented to them on the day of the competition. The solution must be obtained within a limited time using only the materials provided. Competitors must use teamwork and problem-solving skills in order to come up with the most optimal solution to the problem.

## Senior Team Design

Third and fourth year students compete in teams of four to solve a more challenging engineering. Teams are restricted by both time and the availability of building materials. Competitors must use teamwork and problem-solving skills in order to come up with the most optimal solution.

## Parliamentary Debates

Teams of two compete in standard parliamentary style debates. Competitors will either defend or refute an impromptu resolution.

## Innovative Design

Teams of up to four competitors design a marketable product or service, or improve significantly on an existing product or service. Teams will then present to a panel of judges in a trade-show style setting.

## Consulting Engineering

Groups of four competitors must research and create a solution to a given engineering problem. Teams will prepare both a report and a presentation for a panel of judges who will be looking for the optimal solution.

## Engineering Communications

Teams of up to two competitors must identify a technological process or issue, form an opinion about it, thoroughly and clearly explain the process or issue to an audience not specializing in their field, and present strong arguments to support their viewpoint.

# CONTACT INFORMATION

If you have any questions or concerns, please email our VP Communications, Heather Lomax, at [communications@oec2010.uwaterloo.ca](mailto:communications@oec2010.uwaterloo.ca)

Detailed information is also available on our website: <http://www.oec2010.uwaterloo.ca>

University of Waterloo  
200 University Avenue West  
Waterloo, Ontario, Canada N2L 3G1