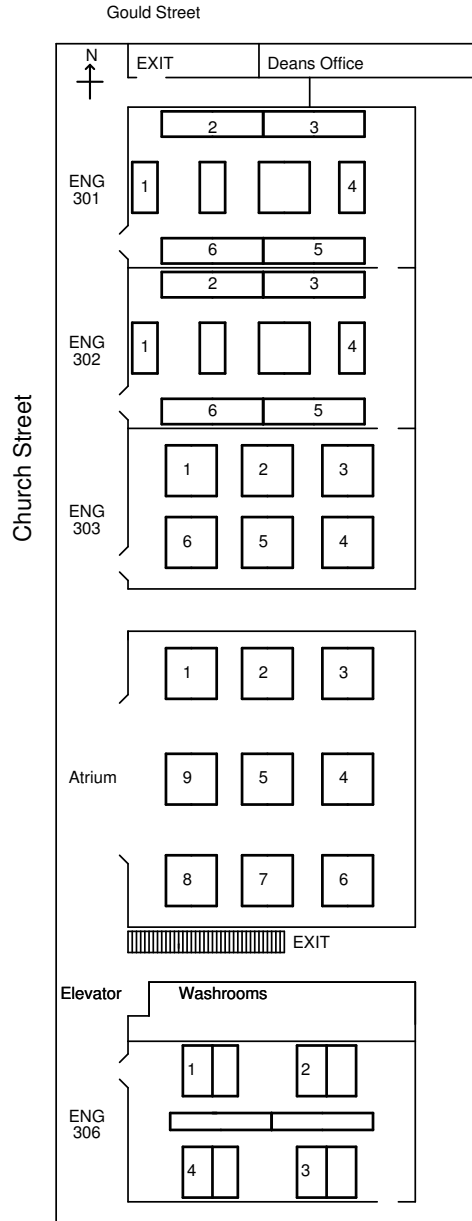


## ENG FLOORPLAN



TEAR ALONG DOTTED LINE

**BALLOT**

VOTE FOR THE BEST PROJECT BY INDICATING THE ROOM AND BENCH

<input type="checkbox"/>	<b>ATRIUM</b>	①	②	③
<input type="checkbox"/>	<b>ENG 301</b>	④	⑤	⑥
<input type="checkbox"/>	<b>ENG 302</b>	⑦	⑧	⑨
<input type="checkbox"/>	<b>ENG 303</b>			
<input type="checkbox"/>	<b>ENG 306</b>			

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

RYERSON UNIVERSITY

# OPEN HOUSE 2011

APRIL 28<sup>th</sup> ~ 11:00AM-5:00PM  
3<sup>rd</sup> FLOOR LABS • 245 CHURCH ST.



Welcome to the 2011 Capstone Design Open House.

This programme lists the student projects by room number and includes the bench number, the student names, a project category code (refer to the legend) and the faculty supervisor.

Please consult the floor plan, found on the back of this guide, to locate a specific bench in a lab.

[www.ee.ryerson.ca](http://www.ee.ryerson.ca)

## PROJECT CATEGORY LEGEND

- ⓑ BIOMEDICAL   Ⓒ COMMUNICATIONS   Ⓜ MICROPROCESSOR  
Ⓟ POWER   Ⓡ ROBOTICS   Ⓢ SOFTWARE



## ATRIUM

- ❶ • HANDY MOUSE FOR THE PHYSICALLY CHALLENGED • *Andrew Cheung, Paul De Boer, Elmira Navidbakhsh* Ⓟ Dr. Kassam
- ❷ • SMART CAR FOR INTELLIGENT TRANSPORTATION SYSTEMS • *Olukayode Ayeni, JaiHui Jiang, Mariah Zahir* Ⓜ Dr. Jaseemuddin
- ❸ • ANGULAR MOTION SIMULATOR FOR REHABILITATION AND TRAINING • *Lavan Giritharan, Rakulan Gnanavel, Kesavan Maheswararajah* ⓑ Dr. McConville
- ❹ • ELEVATOR SIMULATOR FOR ANALYSIS AND COMPARISON • *Ciprian Maior, Krishna Panday* Ⓒ Dr. Zeytinoglu
- ❺ • AERIAL SEARCH UNIT – QUADROTOR • *Slavisa Gruborovic, Aril Halkampi, Kevin Tang* Ⓡ Dr. Fernando
- ❻ • HAPTIC TELEPRESENCE FOR REMOTE SENSING APPLICATIONS • *John-Paul Compagnone, Shaul Peker, Mintwer Shawaf* ⓅⓂ Dr. Kyan
- ❼ • REAL TIME DIP BASED HUMAN FALL DETECTION SYSTEM • *Cam Thang Duong, Mohammad Mehrabi, Rares Raducu* Ⓒ Dr. Kirischian
- ❽ • WIRELESS SELF SENSING BABY DIAPER • *Mani Golafra, Ramtin Rezania, Hedeyeh Yaser* Ⓒ Dr. Fernando
- ❾ • SMART WIRELESS ELECTRIC METER FOR SMALL PHOTOVOLTAIC SYSTEMS • *Tung Bui, Sinharib Khoda, Phuoc Loc Pham* • Ⓒ Dr. Fernando

## ENG 301

- ❶ • VIRTUAL REALITY MOTION TRACKING SYSTEM WITH HAPTIC FEED-BACK • *Ibrahim Butt, Mario Garingo, Yuanfei Lv* Ⓡ Dr. Kyan
- ❷ • DESIGN OF A TRANSIENT STABILITY CONTROLLER FOR A GENERATOR • *Omar Garcia, Ray Mercado, Gregory Snow* Ⓟ Dr. Cheung
- ❸ • HAPTIC STYLUS FOR ARTISTIC APPLICATIONS • *Matthew Moores, Wei Shih* Ⓢ Dr. Kyan
- ❹ • AUTOMATED FIREFIGHTING SYSTEM • *Petrit Ademi, Eric Hon, Eshwar Kashyap* Ⓒ Dr. Kirischian
- ❺ • WIRELESS POWER CONVERTERS FOR AIRCRAFT • *Ashar Ali, Abir Hossain, Gaurav Rao* Ⓒ Dr. Fernando
- ❻ • WIRELESS POWER TRANSMISSION • *Rongqiang Liu, Manni Su, Afreeda Zaman* Ⓟ Dr. Fernando

## ENG 302

- ❶ • SPORTS HIGHLIGHTS DETECTION • *Andrei Apostol, Robert Arnone, Alex Chiu* Ⓒ Dr. Kyan
- ❷ • REDUNDANT FANS CONTROL IN UNDERGROUND MINES • *Sanjay Motwani, Sanju Samuel, Mahmoud Bin Shikhan,* Ⓒ Dr. Fernando
- ❸ • REMOTE BASED ENERGY METER • *Debzani Chowdhury, Suvarna Mahendran, Thashkumar Suntharalingam* Ⓟ Dr. Jaseemuddin
- ❹ • CONTEXT-AWARE SOCIAL NETWORKING SMART PHONE APP • *Reza Baharivand, Michael Gauer, Matthieu Muzard* Ⓢ Dr. Jaseemuddin
- ❺ • CONTENT SWITCH • *Nauman Aman, Taha Khan, Samer Yacob* Ⓒ Dr. Jaseemuddin
- ❻ • WIRELESS SENSING DIAPER • *Siavash Karimi, Samira Kazemi, Siavash Shirvani* Ⓒ Dr. Fernando

## ENG 303

- ❶ • PANORAMIC SURVEILLANCE & SECURITY SYSTEM WITH INTERNET ACCESS • *Leo Chan, Dylan McAllister* Ⓟ Dr. Kirischian
- ❷ • DESIGN OF AN ACTIVE FILTER FOR A 200 KW WIND-POWERED INVERTER • *Emerson Ganpatsingh, Donica Patel, Andre Spence* Ⓟ Dr. Cheung
- ❸ • SENSOR NETWORK APPLICATIONS IN SMART BUILDING • *Kenneth Liang, Raymond Ng, Ryan Shivprasad* Ⓒ Dr. Jaseemuddin
- ❹ • DESIGN OF REGENERATIVE SERVO FOR ROBOTICS AND PROSTHETICS APPLICATIONS • *Houman Eftekhari, Vikas Sharma, Mohsen Shafeie Tahmoursati* Ⓡ Dr. Smith
- ❺ • TRAFFIC ANALYSIS FROM IMAGE DATA FEED • *Alan Tien Hao Chu, Jacky Lai, Alvin Yang* Ⓒ Dr. Zeytinoglu

## ENG 306

- ❶ • PORTABLE VIDEO SURVEILLANCE UNIT FOR SEARCH AND RESCUE MISSIONS • *Lukito Adiputra, Min Bei, Fan Zhang* Ⓒ Dr. Fernando
- ❷ • SMART WIRELESS ELECTRIC METER • *Dany Hanna, Zarna Shah, Ivo Simjanovski* Ⓟ Dr. Fernando
- ❸ • DESIGN OF A 5KW WIND-POWERED INVERTER • *Abdul Azeez, Peter Bukovcan, Arsalan Durrani* Ⓟ Dr. Cheung
- ❹ • INERTIAL MEASUREMENT UNIT • *Evelyn Essien, Evgenii Noskov, Aditi Shah* Ⓒ Dr. Kumar

## BALLOT

**YOU ARE INVITED TO VOTE FOR THE BEST CAPSTONE DESIGN PROJECT DISPLAYED AT THE 2011 OPEN HOUSE**

**ELIGIBILITY:** YOU CAN VOTE ONCE IF YOU ARE A 4<sup>TH</sup> YEAR STUDENT IN THE ELECTRICAL & COMPUTER ENGINEERING DEPARTMENT PRESENTING AT THE OPEN HOUSE **OR** IF YOU ARE A MEMBER OF THE FACULTY IN THE ELECTRICAL & COMPUTER ENGINEERING DEPARTMENT.