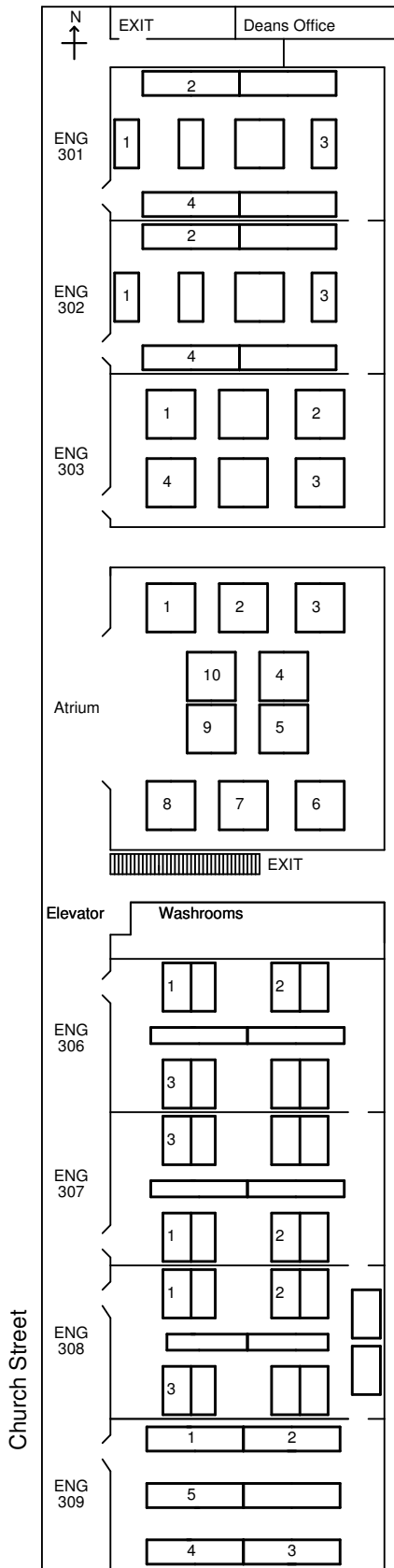


FLOORPLAN

Gould Street

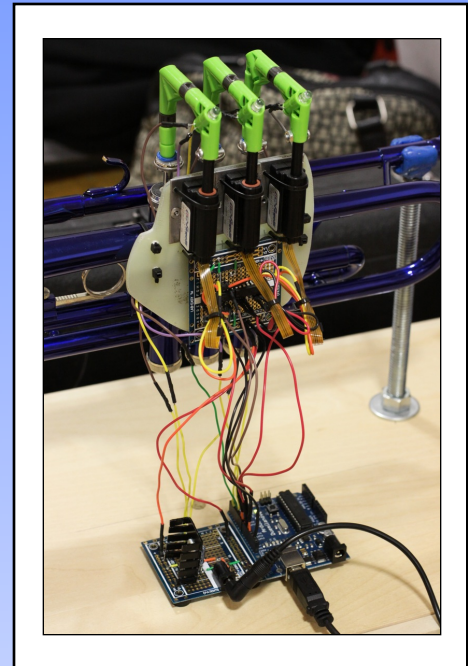


DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

RYERSON UNIVERSITY

OPEN HOUSE 2010

APRIL 29th ~ 3:30-7:30PM
3rd FLOOR • 245 CHURCH ST.



The Department of Electrical & Computer Engineering welcomes you to the 2010 Engineering Design Project Open House.

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

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

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www.ee.ryerson.ca

PROJECT CATEGORY LEGEND

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



ATRIUM

- 1 • HYBRID-ELECTRIC BICYCLE DRIVE SYSTEM • *Bikramjit Johal, Carissa Manalo, Igor Martinovski* **P** Dr. Cheung
- 2 • R.A.N.S.S. FOR PRECISION AGRICULTURE • *Udam Vithana, Mohammad Fawaz, Mathew Holland* **C** Dr. Kassam
- 3 • HAPTIC FEEDBACK FOR VEHICLE COLLISION AVOIDANCE SYSTEMS • *Mark Manickaraj, Shiv Patel* **M** Dr. Kayan
- 4 • INTELLIGENT METER WITH LOAD TRACKING • *Adeel Rizvi, Mohsin Rizvi, Ishan Vyas* **P** Dr. Venkatesh
- 5 • RENEWABLE ENERGY LOAD LEVELLING MANAGEMENT • *Greg Daniel, Rajdeep Jangi, Semir Yousuf* **P** Dr. Jaseemuddin
- 6 • POWER SUBSYSTEM FOR RYERSON PICO SATELLITES • *Mandeep Randhawa, Nikhil Chogal, Omair Khan* • PAYLOAD SUBSYSTEM DESIGN FOR RYERSON PICO SATELLITE • *Shehryar Khan, Shafiul Ehsan, Rohan Muppala* **P** **M** Dr. Kumar
- 7 • EMBEDDED PASSIVE WIRELESS PRODUCT AUTHENTICATION SYSTEM • *Joseph Borg, Ugur Kanbal, Daniel Wong* **C** Dr. Yuan
- 8 • WIRELESS TREADMILL CONTROL USING HEART RATE MONITOR • *Dwain Lobo-Pires, Mark Makary, Evogeny Sheinfeld* **C** Dr. Fernando
- 9 • HAPTIC DATA GLOVE • *Ehsan Kimiagar, Siamak Shafiei, Shayan Talaiyan* • **C** Dr. Kyan
- 10 • THE TACTILE MOUSE • *Talayeh Ameri, Kyle Mabee, Parmita Singh Shekawat* **S** Dr. McConville

ENG 301

- 1 • ATTENTION BASED VIDEO CAMERA • *Jason Cripps, Arie Groisman, Artur Oliva Gonsales* **R** Dr. Kyan
- 2 • WIND POWER CONVERSION SYSTEM • *Waqar Iqbal, Saif Rahman, Syed Wahajuddin* **P** Dr. Cheung
- 3 • WIRELESS SNOW BLOWER • *Mehak Khosla, Jonguk Koh, Jermaine Ramdass* **C** Dr. Fernando
- 4 • POWER ELECTRONIC SYSTEM FOR SOLAR ENERGY CONVERSIONS • *Shauna Fraites, Krisztian Futo, Naveen Mitta* **P** Dr. Cheung

ENG 302

- 1 • SPECTRUM SENSING SYSTEM • *Gulshan Dhillon, John Glenn Kilayko, Shane Ravindranath* **C** Dr. Fernando
- 2 • THREE-PHASE MULTI-LEVEL GRID CONNECTION TOPOLOGY OF A PV SYSTEM • *Kebede Asfaw, Rhys Goldman, Ryan Snow* **P** Dr. Venkatesh
- 3 • MODEL TRAIN COMMUNICATION • *Bien Bengco, Eric Hu, Yong Huang* **C** Dr. Kassam
- 4 • FIELD ORIENTED CONTROL OF INDUCTION MOTOR • *Syed Asif, Abdulkem Klif, Umar Shafiq* **P** Dr. Cheung

ENG 303

- 1 • SMART METER • *Chutharsan Chreekantha, Yoganathan Sivabrinthan, Tishikesan Sundareswaran* **P** Dr. Cheung
- 2 • G.A.R.P. – GAIT ADAPTING ROBOTIC PLATFORM • *Timothy Dalan, Murtaza Dohadwala, Jamil Jivraj* **R** Dr. Jaseemuddin
- 3 • INTELLIGENT SYSTEM FOR SMART ENERGY USE • *Khyati Malhotra, Janarphany Muruganandan, Meer Tasnim* **P** Dr. Cheung
- 4 • WIFI SURGICAL SCALPEL WITH HAPTIC FEEDBACK • *Sai Cherukumilli, Charanbir Gill, Novak Novakovic* **R** Dr. Kyan

ENG 306

- 1 • INTELLIGENT SECURITY VIDEO FILE SEARCH ENGINE • *Vahe Anakhasyan, Jonathan Shver, Kalin Yordanov* **S** Dr. Kassam
- 2 • AUTOMATIC PARKING METER WITH WIRELESS CONTROL • *Faiaz Hossain, Noel Huynh, Redwan Syed* **C** Dr. Fernando
- 3 • CONTENT BASED SMARTPHONE CAMERA • *Tianshuai Chen, Meer Husain* **S** Dr. Kyan

ENG 307

- 1 • POWER SYSTEM GENERATOR STABILITY USING SMALL-SIGNAL CONTROL METHOD • *Xuemin Guo, Ting Hao, Ning Hu* **P** Dr. Cheung
- 2 • REAL TIME WIRELESS VIDEO/AUDIO DISTRIBUTION • *Baktash Abdollah-Shamshir-Saz, Rodrigo Alvarado, Peter Sitina* **S** Dr. Jaseemuddin
- 3 • DISTRIBUTION GENERATION CONNECTION – A FEASIBILITY STUDY • *Saad Ahmed, Kamleshkumar Patel, Muhammad Wasay* **P** Dr. Venkatesh

ENG 308

- 1 • UNDERGROUND WIRELESS SENSOR NETWORK • *Inderjeet Duggal, Gaurav Gupta, Shahzeb Zaidi* **C** Dr. Fernando
- 2 • HUMAN BIOMECHANICS MEASUREMENT SYSTEM • *Kriz Mayo, Chris Rodrigues, Henry Tong* **B** Dr. McConville
- 3 • ADAPTIVE WIRELESS CONTROLLER FOR SOLID-STATE LIGHTING • *Leila Feyzmohammadi, Seyed Jahanmehr, Kamran Masteri Farahani* **C** Dr. Fernando

ENG 309

- 1 • SOLID STATE LIGHTING: RGB COLOUR MIXING • *JeongHun Hwang, Sikyool Kim, Everest Zhuka* **P** Dr. Fernando
- 2 • TELE-METERING OF WIND GENERATOR • *Victor Eboa, Aaron Haile, Mika Postic* **C** Dr. Venkatesh
- 3 • SOLID STATE TRANSFORMER • *Tyler Duggan, Salvatore Folino, Nazila Mottaghian* **P** Dr. Venkatesh
- 4 • INTERNET ENABLED PRICE SENSITIVE ENERGY METER • *Bilal Dahche, Younus Dost, Brian Ng* **P** Dr. Venkatesh
- 5 • ROBOTIC ARM MOTION TRACKING WITH HAPTIC FEEDBACK • *Umair Niaz, Vipul Potluri, Daryl Yamson* **R** Dr. Kyan