

**PROFESSIONAL ENGINEERING VOLUNTEERS NEEDED**  
**Lassonde School of Engineering, York University**  
**2018/2019 Capstone Project**

<b>Group Letter</b>	<b>Project Name</b>	<b>Company/Client &amp; Contact Information</b>	<b>Project Supervisor &amp; Contact Information</b>
A	Aerodynamic Fairing Design for an ASME Human Powered Vehicle Competition	Ronald Hanson	Ronald Hanson
B	Road Asset Management	Gunho Sohn	Gunho Sohn
C	Autonomous Marine Sensor Systems	Michael Jenkin, EECS	Michael Jenkin, EECS jenkin@cse.yorku.ca
D	Autonomous Vehicle Sensor Calibration System	Kevin O'Neil, AMD Wilson Yu, AMD David Marques, AMD	Hossein Kassiri, EECS
E	Autonomous Vehicle Sensor Calibration System	Kevin O'Neil, AMD Wilson Yu, AMD David Marques, AMD	Hossein Kassiri, EECS
F	Captive Polar Bear Autonomy Enhancement	Suzanne MacDonald Dept of Psychology, Faculty of Health	Dr. Kai Zhuang
G	Convert Microscope lamps from QZ-Halogen and Mercury-Arc to LED Lamps	Arthur Forer, Biology	Simone Pisana, EECS
H	Creating a Database Solution for the UNESCO Chair #indigenousESD	Charles Hopkins & Katrin Kohl, United Nations Education, Science and Cultural Organization	
I	Design of Deployable Antenna for Cubesat	George Zhu	George Zhu
J	Energy Management system	Hany Farag	Hany Farag
K	Energy Tracking System	Dr. Jeff Harris, Mechanical	Dr. Jeff Harris, Mechanical
L	Frame and Drive Train Design for an ASME Human Powered Vehicle Competition	Ronald Hanson	Ronald Hanson
M	Frame and Drive Train Design for an ASME Human Powered Vehicle Competition	Ronald Hanson	Ronald Hanson
N	Home Energy Fingerprint	Smart Cocoon, Sean Cobham, P.Eng., CEO 647.539.1359 mySmartCocoon.com, Sean Cobham <sean@mysmartcocoon.com>	Paul O'Brien, MechanicalSmart

O	Lidar-Based Dynamic Speed Signs	Prof. Thomas Cooper, Mechanical	Prof. Thomas Cooper, Mechanical
P	Pillar Avoidance Systems for Visually Impaired Folks	Michael McNeely	Kai Zhuang
Q	Feature-based UAV autonomous navigation in indoor environments	Costas Armenakis	Costas Armenakis
S	Wheelchair Accessibility Device for Non-Accessible TTC	TTC	Alex Czekanski
T	Monitoring and controlling noise in shared spaces	Mustafa Seck	Gerd Grau, Electrical
U	Sign Language Translator App	Rijul Aggarwal, IBM	Rob Allison
	Digital Record Centralized Storage and Data Analytics	Bill Tzerpos	Bill Tzerpos