



BRITISH COLUMBIA
INSTITUTE OF TECHNOLOGY

School of Energy

2014/15 Mechanical Engineering Capstone Projects

Student(s)	Project	Year	Faculty Advisor(s)
Jason duToit Joshua A. Solis Guo Bin Wu	Design and Build a Vertical-Axis Wind Turbine for Street Light Posts to Power LEDs	2014/15	Mehrzad Tabatabaian
Nathan Lafleur Damien McCombs Alexander L. Wutschnik	Machined Compression Spring	2014/15	Stephen McMillan
Cory L. Bernard David Bourcet Caleb J. Grunert	Jet Ski Loader	2014/15	Johan Fourie
Ji Ho Park Jun Sang Yoo	Life Cycle Analysis of the OASIS Project	2014/15	Taco Niet
Joshua H. Morrill Daine C. Strankman	Electric Go-Kart Battery Management	2014/15	Alan Inglis
Cyrus S. Ang Corbin J. Turner	Performance Vehicle Suspension	2014/15	Alan Inglis
Mark A. Naismith Yinan S. Shi Jeremy Vu	Subway Environmental Simulation	2014/15	Johan Fourie
Thomas A. Ziegler	Fully Adjustable On/Off-Road Suspension	2014/15	Johan Fourie
David P. Messenger Marco N. Piovesan Andrew M. Stulken	Boat Stabilization System	2014/15	Greg King

Student(s)	Project	Year	Faculty Advisor(s)
Joseph M. Bantugon Ruoxi Wang Roger X. Zeng	Wheelchair Backpack Unloader Optimization and Prototyping	2014/15	Stephen McMillan
Mehran Teymour Beigi Zargham Amarinder S. Vahra Amtinder Badial	Formula Baja Frame	2014/15	Cyrus Raoufi
Darashdeep Singh Vatsalya P. Sunkara Jeffrey F. Lai	Formula Baja Suspension	2014/15	Cyrus Raoufi
Adam D. Marciniak Arshdeep S. Sekhon Amir Akhavan-Rezaei	Formula Baja Drivetrain	2014/15	Dave Lewis
Karim A. Kabani	Acoustic Guitar Harmonic Mapping	2014/15	Johan Fourie