Department of Electrical and Computer Engineering
Faculty of Engineering and Architectural Science

2014 Capstone Design Project Excellence Awards

Capstone design projects provide students with in-depth knowledge and skills on project management and significant experience in developing, designing, prototyping, proving and verifying complex engineering designs. They are the most important courses in three undergraduate curriculums offered by the Department of Electrical and Computer Engineering. To promote excellence in capstone design projects, Department of Electrical and Computer Engineering introduced **Capstone Design Project Excellence Awards** in 2012. A total of 10 awards are awarded to top 10 design projects each year.

This year, a rigorous process was carried out in selection of the recipients of the awards. The process started with nominations from Capstone Design Project supervisors. All nominees must receive no lower than A- in their ELE/COE/BME800. The supporting materials of all nominees including weekly progress reports, milestone reports, oral examination and demonstration grades, and final project reports, were carefully examined by the Capstone Design Project Excellence Award Selection Committee consisting of Dr. Xavier Fernando, Dr. Vadim Geurkov, Dr. Karthi Umapathy, Dr. Amir Yazdani, and Dr. Mehmet Zeytinoglu. Top 10 capstone design projects were then selected by the Committee. The first place winners will receive the prestigious **Marzio Pozzuoli Award** ($10,000) to be announced by the University while the remaining nine projects will receive the Department of Electrical and Computer Engineering Capstone Design Project Excellence Awards (Each student will receive a Certificate signed by the Chair and an Apple tablet computer).

It is my great pleasure to announce the recipients of 2014 Department of Electrical and Computer Engineering Capstone Design Project Excellence Awards:

Supervisor	Project	Team members
Dr. X. Fernando	Intellichair	Danny Porthiyas Raymon Atienza Stephanie Iossifidis
Dr. V. Geurkov	Robot with Remote Control	Ahmed Sada Maryam Samit Masud Yusouf
Dr. A. Yazdani	Programmable Fault Switch	Chintan Patel Sanketkumar Patel Vatsal Patel
Dr. M. Jaseemuddin	Cloud Service for Smart Building	Kowsheek Mahmood Ronald Boodram Arurun Kathirgamnathan
Dr. F. Yuan	Time-Mode CMOS SerDes for Multi-	Hedra Ewida,

	Gb/s Data links	Durand Jarret-Amor Ibrahem Hussain
Dr. A. Anpalagan	Microcontroller Based Wireless Substation Protection, Control and Monitoring	Dhruvansh Vyas Akiff Maredia Saad Hameed
Dr. B. Standish	Interactive Spatial Tracking System to Improve Mental and Physical Performance	Shravya Gunda Janelle Gatmaitan Tamanna Kumar
Dr. K. Umapathy	Wireless Photoplethysmo-gram (PPG) Monitoring for American Football Players	Marcelle-Andée Carneiro Vincent Lee Everest Pandya
Dr. V. Yang	Collaborative iPhone Devices for Head Imaging	Monika Bligenthal Dana Du Andy Lee

Congratulations to the winners of 2014 Capstone Design Project Excellence Award. Well done!

Fei Yuan, PhD., PEng.
Professor and Chair
Department of Electrical and Computer Engineering
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