

2012 Capstone Design Project Awards

Capstone Design Project Awards recognize the excellence of students in BME/CLE/ELE 700 (Engineering Design) and BME/CLE/ELE 800 (Design Projects). The winners of 2012 Capstone Design Project Awards were selected by a panel of 13 FLCs who supervised design projects in 2011-2012 academic year. Every project demonstrated in the Capstone Design Project Open House was evaluated by the FLCs individually and independently during 2012 Capstone Design Project Open House. The choice of the FLCs was then compiled and the projects that received most of the votes from the FLCs were selected for the awards. Only projects that received a minimum of A- prior to the Open House were qualified for the awards.

It is my great pleasure to re-announce the winners of 2012 Capstone Design Project Awards (The winners were announced at the Open House. Some winners might not be announced at the Open House due to errors in preparation of the awards certificates)

1. AMD Gold Awards

iPhone Driver Alertness Monitoring System.

Igor Ivanecky, Elmer Atagu

Supervisor: Dr. D. Androutsos

Wind Energy Generation for Smart Home

Syed Umer Asif, Hassam Issa, Amoglang Moemba

Supervisor: Dr. B. Wu

Thanks to the generous sponsorship from Advanced Micro Devices (AMD), each student received an AMD-powered notebook computer.

2. Gold Awards

Wireless Plug-in Electric Vehicle Manager

Jovan Filipovic, Shahram Aryanpour, Filip Topalovski

Supervisor: Dr. X. Fernando

Design of Regenerative Servo for Prosthetic Applications

Nika Zolfaghari, Jung Soo Kim, Fakhreddine Taleb

Supervisor: Dr. J. Smith

Thanks to the generous sponsorship from the Center for Urban Energy, each group will receive \$1500 from the Department of Electrical and Computer Engineering.

3. Silver Awards

✚ **ARM Biofeedback System for Parkinson's Disease Patients**

S. Seevaratnam, Rena Attalla, Ahmad El-Falou

Supervisor: Dr. K. McConville

✚ **In-home Haptic Feedback Training for Ankle Rehabilitation**

B. Battaglia, M. Nassery, A. Brukson

Supervisor: Dr. K. McConville

Each group will receive \$1000 from the Department of Electrical and Computer Engineering.

4. Bronze Awards

✚ **Car security system**

Nasim Zoubeiri, Stephen Chut, Ryan Meghdies

Supervisor: Dr. V. Geurkov

✚ **Multichannel Wireless ECG Monitoring System for Hockey Players**

K. Magtibay, K. Atwell, K. Mujkanovic

Supervisor: Dr. K. Umopathy

✚ **Small Wind Energy Converter for Smart Home**

Ling Zhao, Mohammed Nihar, Nabil Hasam

Supervisor: Dr. D. Xu

Each group will receive \$500 from the Department of Electrical and Computer Engineering.

Congratulations to all 2012 Capstone Design Project Award winners!



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Professor and Chair

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