



Department of Computer, Electrical, and Information Technology

CPET/ECET 491 Senior Design Project II Presentations & Demonstrations

Project Titles and Presentation Time

Friday, December 7, 2012

Room ET 346

Coffee, Soft Drinks, and Refreshments

- 08:00 - 08:30 AM: **"A PLC-Based Simulated Electrical Load Management System for Residential Smartmeter Application,"** Jon M. Kline and Derek Boissy, ECET 491/CPET 491
- 08:30 - 09:00 AM: **"Renewable Energy Trickle Charger – 1.5 Amp Rating,"** Pat Grawcock, CPET 491
- 09:00 - 09:30 AM: **"Design of MIDI Audio Synthesizer Module for Music Applications,"** Joseph Acra, Thomas Childers, and Travis Tonner, ECET 491
- 09:30 - 10:00 AM: **"Gear Shifting Display for a Motorcycle,"** Scott James and Demetrio Vallejo, ECET 491

Break - 10 Minutes

- 10:10 - 10:40 AM: **"A Computer-based Measurement Instrument for a Soccer Free Kick,"** Matt Weeks and Andy Vongphachanh, ECET 491
- 10:40 - 11:10 AM: **"Android Smartphone-Based Golf Statistics Tracker App,"** Brad Sorensen and Kory Martin, CPET 491
- 11:10 - 11:40 PM: **"Mobile Semester Assistant App for Organizing Course Materials,"** Adam O'Haver, CPET 491

Lunch (Pizza) - 10 Minutes

- 11:50-12:20 PM: **"Bluetooth Enabled Headphones,"** Alonzo C. Goodwin, CPET 491
- 12:20-12:50 PM: **"Machine Monitoring and Data Collection System for Production Efficiency Improvement of CNC Machine Cells,"** Barry Peterson, ECET 491