

Department of Electrical and Computer Engineering

Fall 2018

Thursday 5:30 – 7:00 pm

Room 391—all projects from ELEN 3110

Lammers-McGrew	Solenoid Actuator
Lee-Zhao-Zipparro	Electric Motor
Ambray-Clausen-Rothlisberger	Magnetic hysteresis variation in a nail
Higgins-O'Neill	Transformer
Marco-Nowak-Roberts	Slayer Exciter Circuit
Diamond-Garcia-Klobucar	Brushless DC Motor
Conard-Socha-Weglarz	Magnetic Switch Alarm System

Room 395 – projects marked with () from ELEN 3110**

All other projects from EECE 3015

Baker-Ruiz	Elektrosluch(**)
Baker-Comia	Temperature Alarm
Bellinder-Guzek	Alcohol Concentration Scanner
Clausen-Khoshnood	Microcontrolled Clapper
Fyhr-Jenkins	PSoC Cooler
Hertel-Kunze-Peters	Digital Scale
Kash-Murphy	Attendance Counter
Ren-Titzer	People Counter

SIXTH ANNUAL

Poster Session and Demonstrations

COEN 4720 Embedded Systems

EECE 3015 Digital Electronics Laboratory

ELEN 3110 Electromagnetic Fields 1

ELEN 3035 Analog Electronics Laboratory

Thursday, December 6, 2018

Session 1: 9:15 am – 10:45 am (COEN 4720, ELEN 3035)

Session 2: 12:15 am – 1:45 pm (EECE 3015)

Session 3: 2:30 pm – 4:00 pm (EECE 3015, ELEN 3110)

Session 4: 5:30 pm – 7:00 pm (EECE 3015, ELEN 3110)

EN 388, EN 391, and EN 395

****** Station setup 30 minutes prior to start ****
(8:45 am, 11:45 am, 2:00 pm, 5:00 pm)**

Thursday 9:15 – 10:45 am

Rooms 391 and 395 – projects marked with () from ELEN 3110**

All other projects from ELEN 3035

Beyers-Phillips-Wojcik	Wireless Charger (**)
Bobeck-Difatta	FM Radio Receiver
Conley-Helminiak	Analog Light Organ
Faust-Janik	Audio Mixer
Gerhartz-Lee	Function Generator
Hels-Zurawski	DC-DC Switching Power Supply
Josse-Reichard	Ball and Beam System
Koetting-Vonderhaar	Peltier Temperature Controller
Maatman-Thalji	AC Power Meter
Mattis-Wedel	Analog Synthesizer
Obert-Rozewicz	The Levitator

Room 388 – all projects from COEN 4720:

(* Chief Executive Officer for Project)

Nordgren*- Baltrusch - Parackal	Laser tag system
Newman* -Funk –Etta	Self-watering Plant Holder
Shreiner*- Jonas	Tap-Tab Payment System
Shakal* - Luczak – Nunez	Produce Management System
Foyer*- Stewart – Hara	Drowsy Driver Prevention System
Bremseth* - Marischen	Smart Baby Monitor

Thursday 12:15 – 1:45 pm

Room 391 and 395 – all projects from EECE 3015

Ajlouny-Beyers	Curtain Roller with Stepper Motor
Brosam-Conard	Secure Box Alarm system
Diamond-Klobucar	Shower Temperature Regulator
Dolick-Young	Controlled LEDs
Hattas-Santangelo	Sunrise Alarm Clock and Night Light
Higgins-Toennies	Weather Station Sensor
Horky-Reding	User Configured Drink Dispenser
Huelskamp-Kalinowski	Digital Lock
Laurita-Quinette	Temperature Controller
Lee-Petter	PSoc MP3 Player
Manderle-Sizemore	Plant Watering Alert System
Marco-Roberts	Stoplight Control
Powell-Rothlisberger	Light Adjusted LED Brightness
Ruiz-Whitaker	Window Closer

Thursday 2:30 – 4:00 pm

Room 391 – projects marked with () from EECE 3015**

All other projects from ELEN 3110

Liebno-O'Neill	How to measure distance with a mouse (**)
Liebno-Santangelo	The Grooviest of Transformers
Comia -Thomas	The Concept of a Dynamic Microphone
D'Souza-Obert	Metal Detector
Manderle-Sizemore-Whitaker	Transformer

Room 395 – all projects from EECE 3015

Berkhout-Lang	Motion Activated Alarm
Garcia-Nowak	Plant Monitor System
Gilger-Jimenez Gonzalez	Heart Rate Monitor
Gunderman-Rose	Automatic Windshield Wiper
Lopez-Moore-Torres	Morse Coding Project
Rittenhouse-Zipparro	Color Combination Safe/Lockbox
