Department of Electrical and Computer Engineering
Fall 2024

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12th Annual

EECE Design Project Show
Poster Session and Demonstrations

COEN 4720 Embedded Systems
EECE 3015 Intro to Microcontrollers Laboratory
ELEN 3110 Electromagnetic Fields 1
ELEN 3035 Electronic Projects Laboratory

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Thursday, December 5, 2024

Session 1:   9:00 – 10:30 am (COEN 4720, ELEN 3035)
Session 2:   12:00 – 1:30 pm (COEN 4720, ELEN 3110, EECE 3015)
Session 3:   3:00 – 4:30 pm (ELEN 3110, EECE 3015)
EN 388, EN 391, and EN 395
**** All Sessions -- Station setup 30 minutes prior to start ******
(8:30 am, 11:30 am, 2:30 pm)

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Download a PDF copy of this Program from:

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Session 1 - Thursday 9:00 – 10:30 am
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Rooms 388 – projects from COEN 4720
Jamiola-Winklosky   Nucleo Says
Esposito-Mejia   Bluetooth Motor Control System
Cave-Gardetto   CyberPong 2077

Room 395 – projects from ELEN 3035
Kurtovic-Sifuentes   Solar Tracker
Hodges-McKeever-Toennies   Open Door Alarm
Lukas- Singer Solar-Powered USB Battery Charger
Taylor-Dalhoe   Motion Sensor Door
Banda-Bonetti-Brockman   Simple FM Receiver Radio
Gonzalez-Solveson   Variable Speed DC Motor Controller

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Session 2 - Thursday 12:00 pm – 1:30 pm
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Room 388 – projects from COEN 4720
Butler-Moses   Wii Pong
Limon-Stevens   TinyOSaurus
Samuelson   Asteroids Minigame

Room 391 – projects from ELEN 3110
Alzamli- Davila   Electromagnet
Borst-Singh   Step-Down Transformer
Castro-Del Rosario-Samaniego   Electromagnetic Speaker
Bohnart-Ibarra   Simple Electric Motor

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Session 2 - Thursday 12:00 pm – 1:30 pm (continued)
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Room 395 – projects from EECE 3015

Bohnart-Samaniego	Mystery
Butler-Winklosky	PSoC IT!
Castro-Singh	Home Safety Alarm System
DeWeerdt – Meija	Temperature Triggered LED
Ibarra-Stevens	TFT Display Investigation
Jamiola-Singer	Motion Sensor – LED & Alarm

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Session 3 - Thursday 3:00 – 4:30 pm
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Room 391 – projects from ELEN 3110 and EECE 3015

Accardi-Gonzalez-Pauly	Metal Detector,
Bonetti-Deighton-Doyle	Electric Motor
Esposito-Torres	Ampere's Law Demonstration
Ganje-Read-Gonzalez	Hydration Alert System
Doyle-Zintchenko	Candy Dispenser
Esposito-Samuelson	Hobby Motor Dolly

Room 395 -- projects from EECE 3015

Anderson-Moses	Automatic Trash Can
Cave-Del Rosario	RGB Code
Davis-Milas	Basketball Shot Tracker
Maslowski-Troff	Skateboard Speedometer
Ayala–Fonseca	Microsafe
Bell-Davila	Morning Rays Alarm Clock
Gardetto-Vander Heider	Automatic Pet Feeder