

**Department of Electrical and Computer Engineering
Fall 2021**

**NINTH ANNUAL
Poster Session and Demonstrations
COEN 4720 Embedded Systems
EECE 3015 Digital Electronics Laboratory
ELEN 3035 Analog Electronics Laboratory**

Thursday, December 9, 2021

Session 1: 9:00 am – 10:30 am (COEN 4720, ELEN 3035)

Session 2: 11:00 am – 12:30 pm (COEN 4720)

Session 3: 12:00 pm – 1:30 pm (EECE 3015)

Session 4: 3:00 pm – 4:30 pm (EECE 3015)

Session 5: 5:30 pm – 7:00 pm (EECE 3015)

EN 388, EN 391, and EN 395

****** All Sessions -- Station setup 30 minutes prior to start ****
(8:30 am, 10:30 am, 11:30 am, 2:30 pm, 5:00 pm)**

Session 1 - Thursday 9:00 – 10:30 am

Rooms 391 and 395 – all projects from ELEN 3035

Angiolo-Arns	Water Level Controller
Betancourt-Killorn	Guitar Amplifier with Distortion
Bragado-Nowak	Digital Dimmer
Hollister-Huynh	Current Sensing in an H-Bridge
Lutz-Monacelli	Magnetic Field Detector
Monroy-Romaniz	Maximum Power – Dark Activated Solar Light
Bishop-Land	Brushless DC Motor Control
Castillo-Copoules	Wireless Phone Charger
Defelippis-Gonzalez	Guitar Amplifier
Hackett-Helm-Popp	Solar Tracker Experiment
Podhola-Yakistan	Li-Fi Wireless Communication PoC
Sammut-Schmit	Bike Buddy

Rooms 388 – all projects from COEN 4720

Nicholas-To	Falling Word Typing Game
Bradley-Jaworski-Mead	Morning Checklist Reminder
Bustillos-Schaul	Wireless Game Controllers for 2-player Pong
Gonzalez-Martin-Yang	Sneaky Snake
Awadallah-Beugnet	Remote Controlled Car
Bielinski-Broeski-Gray	Super Scoreboard
Barcenas-Ethithara-Wilke	Quick Score

Session 2 - Thursday 11:00 am – 12:30 pm

Room 388 – all projects from COEN 4720:

Chun-Leinauer	Hangman
George-Jacob-Torti	Bluetooth Controlled Brickbreaker Game
Reyes-Diaquino	One sided Pong
Nenninger-Povinelli-Sustar	Gravitoids: Multiplayer Asteroids with Extra Physics
Piszczyk-Burmeister	Pong

Session 3 - Thursday 12:00 pm – 1:30 pm

Rooms 391 and 395 – all projects from EECE 3015

Bhattacharya-Diaz	Keyless Piano
Castro-Leighton	Heart Rate Monitor
Greene-Wall	Fish Tank Cleaning Monitor
Lettau-Montellano-Stark	Plant Monitor
Constableo-Duffy	CO2 Detector
Florian-Varley	Door Light
Khaja-Munyon	Garage Door Opener
Maag-Mitchel	Fish Activated Feeding Station

Session 4 - Thursday 3:00 – 4:30 pm

Rooms 391 and 395 -- projects from EECE 3015

Bayer-Bopp	Morse Code decoder/encoder
Grosz-Miller	Plant watering system
Herrera-Weidel	Traffic Monitor
Huynh-McGrath	Carnival Laser Shooter
Johnson-Koenig	Music played when door opened
McFarlin-Quandt	Automated Pill Reminder
Blum-Geer	"Snappy Safe"
Contreras-Kaufman	Automatic fish feeder
DiCatri-Gumushian	Humidity/Temp Variable Speed Fan (bathroom)
Fiebig-Sanders	Brita Pitcher Filter & Temperature Monitor
Titzer-VanGaal	Hand sanitizer dispenser

Session 5 - Thursday 5:30 – 7:00 pm

Rooms 391 and 395— all projects from EECE 3015

Crosby-Grant	Thermal printer
Donato-Lambertsen	Toothpaste Squeezer
Lammers-Piper	Sound Detector
Winter-Herbst	Morse Code
Bresingham-Smith	Traffic Light Control System
Guel-Solveson	Unlocked No More
Lutz-McCarty	Robot Tape Measure
Pavlenko-Richards	Medicine "OK" alert