

# CETA

DESIGN EXPO

**Join us for our student  
project showcase!**



**FRIDAY, DECEMBER 5<sup>TH</sup>**

**9:00 - 11:30 A.M.  
Hursey Center**

**UNIVERSITY OF HARTFORD**

COLLEGE OF ENGINEERING,  
TECHNOLOGY, AND ARCHITECTURE

## PRACTICAL PROJECTS: ECT 110

Professors Kiwon Sohn and  
Dongbin Kim

### Ferme d'intégrité [T1]

- Gavin Bennett
- Kemoyan Jones

### Auto Irrigation System [T2]

- Amani Kurwa
- Caleb Lefebvre
- Alex Ormeno

### 3D Printed Ti-Fighter [T3]

- Demiere Carter
- Sterling Lloyd
- Yohan Terme-Smith

### “Smart Jar” Digital Piggybank [T4]

- Freddy Arias
- JJ Owens

### Hydro-Talkie [T5]

- Tyron Hamilton
- Wesley Kaiser
- Gabriella Maldonado

### Ferris Speed [T6]

- Matthew Harris
- Nate Elmani
- Emily Myerov

### The Black Pearl [T7]

- Anthony Hudson
- Brandon Martinez
- Tloloc Tshikuna

### Here and Theremin [T8]

- Dawson Blais
- Jaden Gaitan
- Xavier Sophinos

### Lumo Sense [T9]

- Rickford Kirton
- Jack Pantazis
- Omarion Wilson
- Zamayaih Stiven

### The Echo Aid [T10]

- Dylan Velazquez
- Evan Amoro
- Julie Clavette
- Nivea Williamson

### FM Radio [T11]

- Josiah Jones
- Kyon Cannon
- Amari Burgess

### Robot Smart Car [T12]

- Marlon Pierre
- Roberto Sanchez
- Dario Loja

## INTRODUCTION TO CONSTRUCTION MANAGEMENT: CMT 100

Professor Song Wang

### Sullivan Residential Construction Estimating & Planning [T13]

- Alex Jackson
- Joe Guglielmino

### Marseille Residential Construction Estimating & Planning [T14]

- Chad Edmond
- Kyle Tedesco

### Mercedes Pointe Residential Construction Estimating & Planning [T15]

- William Perez Jr.
- Darnell Morgan

## ENGINEERING & DESIGN: ES 143

Professors Enrico Obst, Song Wang, Daniella Pinho, Dongbin Kim, Claudio Campana, Seong Hyun Moon, and Solaleh Miar

### S.M.A.C.C.! [E1]

- Adrian MacLulewski
- Jack O'Charek
- Christopher Bourjaili
- JJ Hackett

### AeroGuard [E2]

- Dakota D'Angelo
- Jared Degruittola
- Patrick Alarcon
- Maheen Aqdas

### MEI [E3]

- Luis Lamas Carreto
- Zula Khan
- John Forbes
- Anthony Banjo

### Home Security System [E4]

- Matt Nicolay
- Brennan Green
- Keilany Nunez-Fernandez
- Mikael Isaacs

### Red Squadron [E5]

- Tyler Montroy
- Gabriel Serpa
- Michael-Anthony Kline

### Smart Alarm Clock [E6]

- Shawn Amari
- Esmir Cecunjanin
- Nicholas Sanzaro

### Smart Room Monitor[E7]

- Luke Robinson
- Jack Tenney
- David Ogbu
- Joseph Reynolds

### GameDeck [E8]

- Shirley Ordonez
- Weston Morrisett
- Jermaine Taylor

### Collision Warning System for Boats [E9]

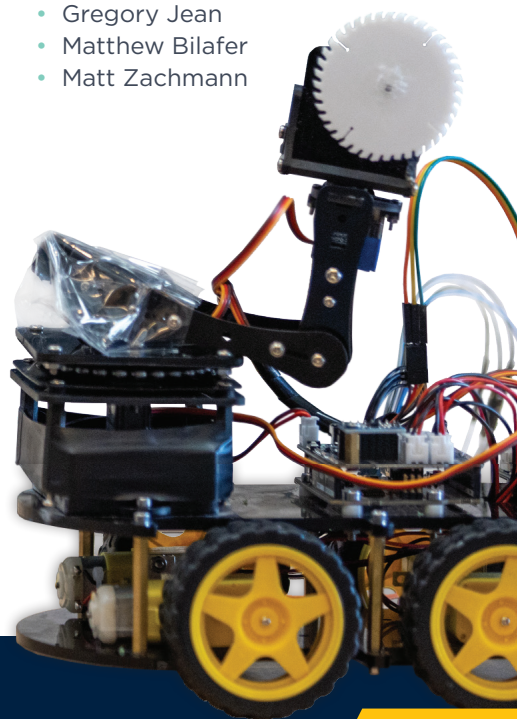
- Ethan Leverone
- Connor Zmeskal
- Ashley Taylor

### Car Guard [E10]

- Andrew Palacios
- Alina Weaver
- Jacob Tsekhansky

### Automatic Garbage Rotting Detector [E11]

- Gregory Jean
- Matthew Bilafer
- Matt Zachmann



### Key Wave [E12]

- Carter Horesco
- Nandi Harding
- Kaden Tran

### Smart Greenhouse [E13]

- Teagan Charles
- Naqiya Gbadamassi
- Abdullah Alajmi

### Fast and Furious 25 [E14]

- Sam Diehl Kobierowski
- Efaz Ahmed
- Alyssa Mazzie

### Sun Snatchers [E15]

- Owen Rogg
- Daniel Gonzalez Quinones
- Eddie Hageman

### Team Indirect Injection [E16]

- Evan St. Amand
- Annil Gilot
- Kevaughn Henry

### The Clutch Consultancy [E17]

- Benjamin Mangani
- Nick Ly
- Nathan Warhurst

### CM<sup>3</sup> [E18]

- Nick Ryder
- Matthew Usma Ochoa
- Gavin Mize
- Brian Zaldivar

### Secure Door System [E19]

- Joaquin Flores Heredia
- William Saunders
- Zuhair Ali
- Kwame Owusu

### Good Enough [E20]

- Tori Testa
- Mercy Mejia
- Ronald Clayton
- Matthew Mandac

### JJA [E21]

- Jaiden Burrell
- Antonio Castro
- Jonathan Dixon

### Remote Robot Car [E22]

- Jacob Swendsen
- Evan Lovelace
- John DeSetto

### Race Car Safety System [E23]

- Julianna Diaco
- Steven Vuong
- Lilly Sprister
- Evan Scheuritzel

### Safe Vault System [E24]

- Joshua Spencer
- Illyria Ukaj
- Benjamin Hicks
- Henry Sachar

### Smart Home System [E25]

- Evan Fahnbulleh
- Lynn Hall
- Marcus Sanchez
- Eva Robinson

### Smart Weather Station [E26]

- Samantha Ferrando
- Ethan Flood
- Phillip Valuckas
- Joanel Serrano

### Smart Cooler [E27]

- Daniel Kirchner
- Aleksander Trzesniewski
- Madison Richburg

### **The Hydro Hustlers [E28]**

- Jaiden Daigle
- Nikodem Kolc
- Connor Nickischer
- Garrett Schuth

### **The Modern Smart Home [E39]**

- James Sanford
- Thomas Scott
- Juju Malwal
- Leon Vescera

### **RC Car [E30]**

- Ben Champagne
- Alexa Neil
- Noah Previdi
- Julian Skarzynski
- James Wilson

### **Remote Elevator Mechanism [E31]**

- Vinny Diluciano
- Bryan Palau
- Jai Shaheed-Hamer
- Brandon Williams

### **Smart Environmental Enhancement Device [E32]**

- Chris Sanders
- Mai Nguyen
- Nora Higgins
- Steven Silva

### **Light Rover [E33]**

- Annie Fiegel
- Grant Davison-Linton
- Cayden Bourassa
- Adam Sheridan

### **Sonic Security [E34]**

- Isaiah Brown
- Marcus Clap
- Gracy Sylvestre
- Cameron Piper

### **HydroFlow [E35]**

- Fabricio Arias
- Nicohville Bent
- Joe Lachowicz

### **Self Automated Watering System (S.A.W.S.) [E36]**

- Valeriano Valdovinos
- Dylan Burney
- Diem-Linh Phan
- Mike Garcia Lopez

## **CAPSTONE DESIGN II: ECE 483**

Professor Keshawn Smith

### **Pathport - Autonomous Delivery Bot [S1]**

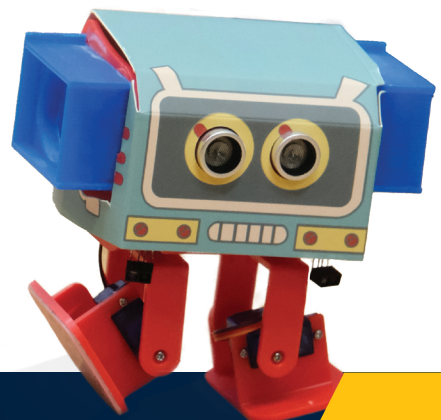
- Caden Bailey
- Mohammed Alabd Alsalam

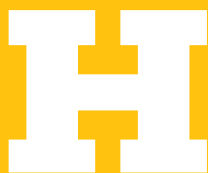
## **SENIOR DESIGN PROJECT II FOR ENGINEERING TECHNOLOGY: ECT 481P**

Professor Johanna Raphael

### **5-DOF Robotic Arm [S2]**

- Emmanuel Agbese
- Ridgy Jean
- Zachary Wojtkiewicz





## WHAT IS THE CETA DESIGN EXPO?

The **CETA Design Expo** is a biannual event where student visionaries showcase their innovative projects. First-year students present after their first semester in the fall, sophomores present at the end of their second year in the spring, and seniors present their Capstone design projects in the spring or fall.

## DESIGN EVALUATION CRITERIA

**PERFORMANCE:** Successful task completion.

**CREATIVITY:** How creative is the final product?

**LEVEL OF DIFFICULTY:** How complex is the product?

**PRESENTATION:**

- **POSTER** - Is the project goal clearly illustrated?
- **ORAL** - Are students well-rehearsed/prepared?

**EXPERIMENTAL VERIFICATION:** Was the product performance evaluated according to a set of criteria?

## THANK YOU!

For joining us to see this year's most creative, hard-working, and accomplished students in the College of Engineering, Technology, and Architecture.