New Course: Principles of Cyber-Physical Systems | Electrical and Computer Engineering | College of Engineering

09/01/2017

Fall 2017
Taught by: Dr. Zhen Zhang

CRN: 56116/ 56117
Room: ENLABS 109
Course Offered: Tuesdays and Thursdays
Course Time: 10:30 - 11:45 AM
Course Number: ECE 5930-005/ 6930-005
Course Title: ST: Principles of Cyber-Physical Systems

Downloadable Course Flyer

Course Description

A cyber-physical system (CPS) is a networked embedded computing system with tight integration of computational and physical components.

Networked computing devices in a CPS communicate with one another and interact with the physical world via sensors and actuators. CPS has ubiquitous applications from smart buildings to medical devices to automobiles. The increasing demand for dependable and robust CPSs has raised new challenges in their design methodologies. From self-driving cars to multi-robotic coordination systems to synthetic regulatory anticancer therapies,