CSUCI: Mechatronics Engineering

Jason Isaacs
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Introduction and Agenda

- Introduce the Mechatronics Engineering Faculty at CSUCI
- What is Mechatronics Engineering?
- Why Mechatronics Engineering?
- Current Curriculum
- Discussion
  - How can we work together to create a strong pipeline?
Mechatronics Engineering Faculty

Bahareh Abbasi  Vida Vakilian  Scott Feister  Jason Isaacs

Brian Rasnow  Scarlet Relle  Kurt Zierhut
Classic Turntable: Mechatronic System

[http://techcracks.com]
What is Mechatronics Engineering?

- Mechatronics is multidisciplinary systems engineering for the 21st century.
- Mechatronics integrates at the beginning of the conceptual design stage different technologies:
  - Mechanical Systems
  - Electrical Systems
  - Control Systems
  - Computer Systems

[Kevin Craig: Hofstra University]
My experience as a mechatronics eng.

- ASIC Design
- Firmware Design
- Electronics Design
- Mechanical Design
- Control Systems Design
Why Mechatronics Engineering?

- Jobs are available and high paying.
- Mechatronics technologies are driving economy.
  - Self Driving Cars
  - Unmanned Aerial Vehicles
  - Industrial and Agricultural Automation
Curriculum Info

- https://compsci.csuci.edu/degrees/bsme/bs-me-courses.htm
Discussion

- How can we work together to create a strong pipeline?
Questions?  https://compsci.csuci.edu/degrees/bsme/