

CEE691 Seminar Series in Spring 2017

The Department of Civil and Environmental Engineering
University of Hawaii at Manoa

Robot Autonomy: Are Robots the “New” Immigrants?

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Abstract Advances in robots and associated technologies are outpacing humans in many sectors of our every day life, from simple domestic chores to education to healthcare to agriculture/manufacturing to search and rescue to simple entertainment and many folds beyond. . . There have been great concerns that robots and technology will “replace” the human workforce in our workplace, both far and wide. During previous acceleration in technology, for example the industrial revolution, many jobs were eliminated; however, multiple jobs were created to accommodate the change. As new machines become more ‘autonomous’ or ‘self-correcting’, fewer replacement jobs may be necessary. The overall effect of ‘autonomy’ for machines could be devastating to our economy, society, and ‘way of life’; but with changes, opportunities will always arise. What is our current level of autonomy in unmanned systems, vehicles, and beyond? What are some of the associated research at the University of Hawaii at Manoa?

A brief presentation will also be made to highlight some of the current state of the art research at the University of Hawaii at Manoa.

Tuesday, January 31th
2:30 p.m. – 3:20 p.m.

Crawford Hall
Room 105

Building
Select:

Crawford Hall (Craw or CR)

