

# MAE Seminar Series

THURSDAY,

NOVEMBER 19

4:00 PM

Zoom Information

Meeting ID: 983 6137 4638

PASSWORD: MAE

## Introduction to Robot Safety: What You Need to Know About Robotics & Safety Standards

### ABSTRACT

Demand for robotic automation is at an all-time high and robot safety is paramount to all successful robotics applications. As industrial robots continue to become more advanced, more capable, and more popular on the international stage, the need for comprehensive robot safety standards increases exponentially. Robots can be dangerous to operate – especially when safety protocols aren't followed. While standards for operation are important, safety standards have a far larger impact than the safe operation of industrial robots. In his talk, Dr. Boyi Hu will examine key issues in robot safety and provides an in-depth overview of current industry standards. Both traditional industrial robots (i.e. manipulators) and emerging mobile robots and domestic service robots will be discussed.

### BIO SKETCH

Dr. Boyi Hu serves as an assistant professor of industrial and systems engineering at the University of Florida since 2018 Fall. He received his Ph.D. degree from West Virginia University, majoring in Ergonomics in 2016, and worked as a post-doc research fellow at Harvard T.H.Chan School of Public Health 2016-2018. His research interests are Ergonomics, System Safety, and Human-robot interaction.



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