



**The Chinese University of Hong Kong
Department of Electronic Engineering**

Time: 15:00 - 17:30, 29th Nov 2017 (Wed)

Venue: Room 222, Ho Sin-Hang Engineering Building, CUHK



From industrial robots to medical robots: An individual perspective

Dr. Liao Wu

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Abstract:

Both industrial robots and medical robots have seen significant growth worldwide recently. In this talk, I will discuss projects I have participated in related to industrial and medical robotics. In particular, I will discuss the kinematic calibration for a multi-robot system developed for aircraft surface painting. I will also introduce some work around developing flexible continuum robots for minimally invasive surgery. Finally, I will make a few comparisons between industrial robots and medical robots, and provide my individual perspective on the trends of their development.

Biography:

Liao Wu received the B.S. and Ph.D. degrees in mechanical engineering from Tsinghua University, Beijing, China, in 2008 and 2013, respectively. From 2013 to 2015, he was a Research Fellow with National University of Singapore. Since 2016, he has been a Vice Chancellor's Research Fellow with Queensland University of Technology, Brisbane, Australia, and affiliated with the Australian Centre for Robotic Vision, an ARC Centre of Excellence founded since 2014. His research mainly focuses on industrial and medical robotics. He is particularly interested in fundamental theories such as kinematics, calibration, and application of Lie groups theory in robotics. He is also fascinated by engineering techniques for the development of mechatronic systems.

***** All are welcome to attend *****

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