

SEMINAR ANNOUNCEMENT

**DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COLLEGE OF DESIGN AND ENGINEERING**

Website: <https://cde.nus.edu.sg/ece>

Area: Control, Intelligent Systems & Robotics

Host: Associate Professor Prahlad Vadakkepat

Lecture Seminar

TOPIC	:	Inverse Kinematics (ME4245 Robot Mechanics and Control)
SPEAKER	:	Dr Fan Shi Postdoctoral Researcher, ETH Zurich, AI Center
DATE	:	Thursday, 24 August 2023
TIME	:	11.00AM to 12.00PM
VENUE	:	EA-06-07 Block EA, College of Design and Engineering, NUS

ABSTRACT

This lecture will talk about inverse kinematics for ME4245 (Robot Mechanics and Control) targeted for ECE second-year level undergraduates. The content will include the definition of inverse kinematics, redundancy, analytic and numerical solutions, and the example of a manipulator arm.

BIOGRAPHY

Fan Shi is a Postdoc Researcher working with Prof. Stelian Coros and Prof. Marco Hutter in ETH Zurich. His research focused on learning and control for hybrid multilink robots. He obtained his Master and Ph.D. degree from the Univ. of Tokyo supervised by Prof. Masayuki Inaba, and Bachelor degree from Peking University. More details about his work could be checked on his website: <https://fanshi14.github.io/me>.