

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Faculty of Engineering

Website: <https://www.eng.nus.edu.sg/ece/>

Area: Signal Analysis & Machine Intelligence

Host: Assoc Prof Yeo Boon Thye Thomas

Teaching Seminar

TOPIC	:	Introduction To Deep Learning In 3D Computer Vision
SPEAKER	:	Dr Yan Mengyuan Stanford University
DATE	:	Monday, 28 September 2020
TIME	:	11.00AM to 12.00PM
WEBINAR	:	Join Zoom Meeting https://nus-sg.zoom.us/j/4156763801?pwd=NUwzUWhwdlZlcGt3cmhyTzFld1V0QT09 Meeting ID: 415 676 3801 Password: 662108

ABSTRACT

In this lecture I will cover the main data representation used for 3D data and corresponding popular neural network architectures. Students attending should have some knowledge about the basics of convolutional neural networks. Otherwise, they should have some knowledge about convolution and matrix multiply in their linear algebra class.

BIOGRAPHY

Mengyuan Yan just received her Ph.D. degree in the Department of Electrical Engineering at Stanford University. During her Ph.D she has worked with Prof. Leo Guibas on 3D computer vision, and with Prof. Jeannette Bohg on developing deep learning methods for vision-based robotic manipulation, especially the manipulation of deformable objects such as ropes. Prior to her Ph.D., Mengyuan received her Bachelor's degree from the Department of Physics, Peking University.

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