DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Faculty of Engineering
Website: https://www.eng.nus.edu.sg/ece/

Area: Signal Analysis & Machine Intelligence

Host: Asst Prof Thomas Yeo Boon Thye

Lecture/Teaching Seminar

TOPIC	:	**A Gentle Introduction to Machine Learning**
SPEAKER	:	**Dr Wang Xinchao** **Stevens Institute of Technology**
DATE	:	**Tuesday, 4 August 2020**
TIME	:	**10.00AM to 11.00AM**
WEBINAR	:	**Join Zoom Meeting** **https://nus-sg.zoom.us/j/4156763801?pwd=cUdJUkFBZC85eVl5OEd5aHhrSDhNUT09** **Meeting ID: 415 676 3801** **Password: 335166**

ABSTRACT

Machine learning has played a crucial role in a very wide spectrum of applications, and has in many aspects influenced our daily life. In this lecture, we will give a gentle introduction to this emerging and exciting field. We will start by introducing the definition of machine learning, and then show its applications in various domains. Next we will give a categorization of machine learning problems, and finally walk through a tiny example of framing a task into a machine learning problem.

BIOGRAPHY

Xinchao Wang has been a tenure-track Assistant Professor at Stevens Institute of Technology, New Jersey, United States, since November 2017. Before joining Stevens, he was an SNSF postdoctoral fellow at University of Illinois Urbana-Champaign (UIUC) with Prof. Thomas S. Huang. He received a PhD from Ecole Polytechnique Federale de Lausanne (EPFL) in 2015, and a first-class honorable degree from Hong Kong Polytechnic University (HKPU) in 2010. His research interests include artificial intelligence, computer vision, machine learning, medical image analysis, and multimedia. His articles have been published in major venues including CVPR, ICCV, ECCV, NeurIPS, AAAI, IJCAI, MICCAI, TPAMI, IJCV, TIP, TMI, and TNNLS. He is an associate editor of IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) and Journal of Visual Communication and Image Representation (JVCI). He has been or will be serving as an area chair of CVPR, ICIP, ICME, and as a senior program committee member of AAAI and IJCAI.

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