

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Faculty of Engineering

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

Area: Communications and Networks

Host: Assoc Prof Biplab Sikdar

TOPIC	:	Sub-Group based Machine Learning for Gas Demand Forecasting
SPEAKER	:	Mr Hu Xudong Graduate Student
DATE	:	Wednesday, 23 June, 2021
TIME	:	3.00PM to 4.00PM
WEBINAR	:	Join Zoom Meeting https://nus-sg.zoom.us/j/81997988181?pwd=cVR1eTdBSndCWnd3b2YwWWdSY29CQT09

ABSTRACT

Machine learning model tend to capture the behavior for total population. However, in certain environments the subgroup properties may offer more insights into the group behavior which in turn may enable more functions for the system. This presentation will focus on our work to facilitate the extraction of such subgroup properties and provide the initial verification results to show the feasibility of the proposed approach. We validate the proposed approach using real life data and compare its performance with existing models. Finally, system robustness and privacy concerns will be discussed.

BIOGRAPHY

Xudong Hu received the B.E. with first class honours in Electrical and Electronics Engineering from Nanyang Technological University in 2011 and M.S. in Electrical Engineering from National University of Singapore in 2017, respectively. He is currently pursuing PhD degree in Electrical Engineering in National University of Singapore with research focus on Network Security and Privacy in Machine Learning.

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