

**The Hong Kong Polytechnic University
Department of Applied Mathematics**

Seminar

**Applying deep learning in disease prediction based on Electronic Health Records
and social networks**

By

**Dr Xiang Yang
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Abstract

Deep learning has obtained considerable successes in multiple domains such as natural language processing and computer vision. However, applying deep learning in the clinical domain is still in its infancy and many problems remain to be addressed. In this lecture, I will briefly introduce what we have done recently in applying deep learning algorithms in disease prediction based on Electronic Health Records (EHRs) and social network data. Particularly, I will introduce in detail a study that leverages recurrent neural networks to evaluate the risk of asthma exacerbation based on structured EHRs.

Date : 21 January, 2021 (Thursday)

Time : 10:00-12:00 (Hong Kong Standard Time GMT +8)

Venue : Online Talk via Zoom(Meeting ID: 950 7372 6778)

Speaker: Dr Xiang Yang ,Pengcheng Lab, Shenzhen

Host: Dr. He Daihai, The Hong Kong Polytechnic University

Click to join :

<https://polyu.zoom.us/j/95073726778?pwd=Q2tBOXE0d2p3MVhSTURybnBqaXRRdz09>



[Click to join \(Zoom\)](#)

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