The Hong Kong University of Science & Technology
Department of Mathematics

PhD Student Seminar

Deep Learning Techniques for Music Generation

by

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Abstract

Can machines generate music? Recent deep learning-driven systems have made breakthroughs on this topic. Some famous among them are Doodle, BachProp, MuseGAN, Polyphony-RNN, etc. However, the generated music is still not satisfying based on the feedbacks from different music communities.

In this talk, we will first illustrate the limitations of those models through several examples. Then we will present our new symbolic representation approach to encode musical content and the corresponding composition model, which has the ability to recall the past information and has a coherent understanding of musical structure. There will be an interactive session to show our composition model in the end of the talk.

Date: Wednesday, 29 May 2019

Time: 4:00 p.m. - 5:00 p.m.

Venue: Room 4472, Academic Building (near Lifts 25-26), HKUST

All are welcome!