CS Seminar

Deep Context Resolution

Professor Ming Li
Canada Research Chair in Bioinformatics
University of Waterloo

Date:
September 26, 2017
Tuesday
4:30 pm

Venue:
Room 328
Chow Yei Ching Building
The University of Hong Kong

Abstract:

Conversations depend on information from the context. To go beyond one-round conversation, a chatbot thus must resolve contextual information such as: 1) co-reference, 2) eclipse, 3) conjunctive relationships.

There is simply not enough data to avoid these problems by trying to training a sequence-to-sequence model for multi-round conversation similar to that of one-round conversation.

We will formulate the problem of context resolution for conversation, present deep learning models including an end-to-end network for context resolution, and find a way of creating a huge amount of
realistic data for training such models with good experimental results.

About the Speaker:

Prof Ming Li is a Canada Research Chair in Bioinformatics and a University Professor at the University of Waterloo. He is a fellow of the Royal Society of Canada, ACM, and IEEE. He is a recipient of E.W.R. Steacie Fellowship Award in 1996, the 2001 Killam Fellowship, and the 2010 Killam Prize. Together with Paul Vitanyi they have co-authored the book "An Introduction to Kolmogorov Complexity and Its Applications". His recent research interests include: deep learning, natural language processing, bioinformatics, and Kolmogorov complexity.

All are welcome!
For enquiries, please call 2859 2180 or email
enquiry@cs.hku.hk
Department of Computer Science
The University of Hong Kong