

HOW DEEP LEARNING (ARTIFICIAL INTELLIGENCE) AFFECTS OUR LIFE

Date & Time: 31 August, 2017 (Thur) 10:00am-12:00nn

Venue: RM1001, Caritas Bianchi College of Careers

Speaker: Prof. Francis Y. L. Chin

Abstract:

This talk will introduce the new technology of deep learning, a branch of machine learning in Artificial Intelligence. Many internet companies such as Google, Microsoft, Amazon, Baidu, eBay and Facebook are investing heavily on this new technology to improve their products and businesses, especially on speech/image recognition, searching, data analytics, robotics, self-driving vehicles and recently AlphaGo, a computer program that beat the human professional in the game of Go. The basic principles of machine learning, how computers learn, and the breakthrough in Deep learning will be explained. Deep Learning is applicable to a variety of domains and is changing our lives in many ways.

摘要:

深度學習是目前人工智能，機器學習領域中的最火爆的研究領域。近年來，眾多互聯網企業，包括谷歌，微軟，亞馬遜，百度，易趣和 facebook 等，都在這一領域中投入大量資源，用以改善產品和服務。受益於深度學習，很多領域包括語音/圖像識別、搜索、數據分析、機器人、自動駕駛車、都產生了巨大的變革。2015年，一個標誌性事件是谷歌利用深度學習開發的電腦圍棋軟件 AlphaGO，於公開對弈比賽中擊敗了人類對手——著名的韓國九段棋手李世石。本講座中，我們將介紹機器學習的基本原理，以及深度學習如何帶來技術上的突破。深度學習在眾多領域中發揮顯著作用改變我們的生活。恒生管理學院得到IDS資助成立"深度學習研究和應用中心" (DLC)。本講座中將介紹 DLC支持的一些研究和應用項目。

Biography:

Professor Chin received his B.A.Sc. degree from the University of Toronto in 1972, and his M.S., M.A. and Ph.D. degrees from Princeton University in 1974, 1975, and 1976, respectively. Prior to joining The University of Hong Kong (HKU) in 1985, he had taught at the University of Maryland, Baltimore County; the University of California, San Diego; the University of Alberta; the Chinese University of Hong Kong; and the University of Texas at Dallas.

Professor Chin was the Chair of the Department of Computer Science at HKU and was the founding Head of the Department from its establishment until December 31, 1999. He had served as the Associate Dean of the Graduate School and the Faculty of Engineering.

Professor Chin is an IEEE Fellow and an Emeritus Professor of The University of Hong Kong. He is now the Director of the Deep Learning Research and Applications Centre at Hang Seng Management College.

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