


The 6th Cluster Workshop on Intelligent Systems and Machine Learning

September 23 (Friday), 2022

12:00pm – 1:00pm ([MDT](#))

Organized by: ISML Research Cluster

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Time(MDT)	12:00pm-1:00pm
Keynote Presenter	Dr Chunsheng Yang
Title	Be Ready for AI Third Wave!?
Abstract	<p>We have witnessed the achievements of AI research and its impact on human life and society over the past few decades. Since its inception at the Dartmouth Conference 1956, AI has gone through several boom-and-bust cycles. Each bust pushed AI research from one boom to yet another prosperous boom. For example, the most recent bust from 1987 to 1993 led to another AI research boom which has lasted almost 20 years (2000-2019). During the last two decades, many dreams in AI research have become reality. However, today AI development run into many barriers in meeting the expectations of public in the commercialization AI technologies such as safe-driving, self-abstracting, self-learning, etc. In this talk the speaker will explore where is boundary to impede the AI advancement by reviewing the AI history, and the major achievements from the first and second AI waves. Then speaker will share the vision of next AI wave in order to be ready for AI third wave. We believe in that the AI third wave is coming and will be a much stronger torrent !</p>
Presenter's short bio	<div></div> <p>Dr. Chunsheng Yang is a Fellow of the Canadian Academy of Engineering (FCAE) and Fellow of the Asia-Pacific Artificial Intelligence Association (FAAIA). He is a Principal Research Officer at the National Research Council Canada and a distinguished Professor with Nagoya Institute of Technology (Japan). Dr. Yang is an Adjunct Professor with Carleton University (Canada), Chongqing University (China), and Beijing Normal University (China). He is interested in data science, machine learning, hybrid reasoning, intelligent</p>

	<p>systems, digital twins and Prognostic and Health Management (PHM). He received an Hons. B.Sc. in Electronic Engineering from Harbin Engineering University, China, an M.Sc. in computer science from Shanghai Jiao Tong University, China, and a Ph.D. from the National Hiroshima University, Japan. He worked with Fujitsu Inc., Japan, as a Senior Engineer and engaged on the development of intelligent traffic management for ATM backbone telecommunication networks. He was an Assistant Professor at Shanghai Jiao Tong University from 1986 to 1990 working on Hypercube Distributed Computer Systems. Yang has been the author for 226 technical papers (book chapters) and reporters published in the referred journals and conference proceedings. Dr. Yang is a Program Co-Chair of the 20th IEEE International Conference on Computer Supported Cooperative Work in Design (CSCWD 2016) and a Program Co-Chair for the 17th International Conference on Industry and Engineering Applications of Artificial Intelligence and Expert Systems in 2004. He is also a guest editor for the International Journal of Applied Intelligence and the Journal of Clustering Computing. He serves scientific advisor for several instructions such as NSERC, Irish Research Council, etc.</p>
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