Department of Systems Engineering
香港城市大學
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Efficient Algorithms for Multiple Longest Common Subsequence (MLCS) Problem

Searching Longest Common Subsequences (LCS) of multiple sequences is a fundamental and widely applied problem in many areas such as file comparison, pattern recognition, distance metric learning, computational biology, and information retrieval. However, it is very challenging to tackle the large-scale MLCS problem effectively and efficiently due to the high complexity of time and space. This talk will introduce several state-of-the-art algorithms for MLCs problem, and discuss the future works.

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4:30 pm - 5:30 pm

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Dr. Yuping Wang received Ph.D from Xi'an Jiaotong University in 1993. He was Vice Chairman of Computational Mathematics Association of Shaanxi Province and Vice Chairman of Economic Mathematics and Management Mathematics Association of China. He was awarded the Second Prizes of Natural Science Award of Shaanxi Province and Ministry of Education of the People's Republic of China, respectively. Currently, he is a full professor and Vice Chairman of Professor Committee in School of Computer Science and Technology, Xidian University, Xi'an, China, and an Associate Editor of IEEE Transactions on Emerging Topics in Computational Intelligence. His research interests include Optimization algorithms and modelling, Data mining and Artificial intelligence. He has published more than 300 papers.

Speaker
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All are welcome