



香港網上學會



Hong Kong Web Society

Hong Kong Web Society  
In co-operation with IEEE Hong Kong Section Computer Chapter  
11<sup>th</sup> Seminar on

## Semantic Visual Information Search Professor Clement Leung

Date: 28 February 2001 (Wednesday)

Time: 5:30pm – 6:30pm

Venue: Room Y6405, 6th Floor, Academic Building, The City University of Hong Kong  
Tat Chee Avenue, Kowloon Tong, Kowloon

### **Abstract:**

A vast gap exists between the way humans and machines perceive visual objects. Consequently, many of the algorithms designed for matching low-level features fail to make a significant impact on production visual information systems. It is widely acknowledged that the automatic object recognition problem is unlikely to be solved within the short to medium term. Such limitations in high-level object recognition in images and other forms of visual data necessitates the use of a combination of paradigms in searching visual information. In this talk, the approaches of using multiple media and partial indexing will be presented. In combination, they offer the potential to drastically increase search efficiency in image content identification through the use of ranking and relevance feedback techniques.

### **About the speaker:**

Professor Clement Leung received a PhD in Computer Science from University College, London University. Before joining the university sector, he held a number of technical positions in industry in the United Kingdom, working on database management, information systems, computer networks, and systems performance evaluation. Prior to taking up his present Foundation Chair in Computer Science at Victoria University, Australia, he has held the Established Chair in Computer Science at the University of London, United Kingdom. His publications include two books and over ninety articles. His services to the research community include serving as Program Chair, Technical Committee Chair, Keynote Speaker, Panel Expert, as well as on the Program Committee and Steering Committee of major International Conferences and Workshops in US, Europe, Australia, and Asia. In addition, he contributes to the Editorship of a number of international journals as well as serves on the Standards Australia Committee on Coded Representation of Picture, Audio, and Multimedia/Hypermedia Information which contributes to the shaping of the new MPEG-7 International Standard. He is a Fellow of the British Computer Society, a Fellow of the Royal Society of Arts, Manufactures and Commerce.

### ***Inquiry***

*In case of questions, please contact Dr Joseph Fong at Tel: 27888498, E-mail: [csjfung@cityu.edu.hk](mailto:csjfung@cityu.edu.hk), or visit the Hong Kong Web Society Website <http://www.hkws.org> for seminar information and/or membership enrollment.*