

COMPUTER SCIENCE SEMINAR SERIES

Department of Computer Science
City University of Hong Kong
and
the Hong Kong Web Society
(Departmental Seminar 2005/2006 - No 28)

Video Annotation and Retrieval in Informedia

Mr Jun Yang
Language Technology Institute
School of Computer Science
Carnegie Mellon University
USA

Date :

29 December 2005 (Thursday)

Time :

3:00pm - 4:00pm (Refreshments will be served at 2:45pm)

Venue :

Faculty Conference Room B6605, 6th Floor Blue Zone, Academic Building,
City University of Hong Kong, Tat Chee Avenue, Kowloon Tong.

Abstract

This seminar will briefly cover the key technologies of Informedia, a news video analysis and retrieval system at Carnegie Mellon. Three problems will be discussed, including the 1) what are the useful features for video, 2) how to extract the semantic-level video concepts, and 3) how to handle user queries for video data. As we will see, machine learning techniques play an essential role in the solutions to these problems, because of the huge data volume to analyze, diversity of video features to combine, and varieties of semantic concepts to detect and/or user queries to handle. Therefore, the seminar will focus on several interesting works where machine learning opens up new possibilities such as detection of novel concepts, adaptive query processing, and so on.

Biography

Jun Yang is currently a Ph.D candidate at Language Technology Institute, School of Computer Science, Carnegie Mellon University. He received his B.S. and M.S. degrees from the Zhejiang University in 2000 and 2003, both in computer science. His research interests include multimedia information retrieval, statistical machine learning, and content-based image retrieval. He is particularly interested in applying machine learning models for detecting semantic concepts in video data and/or intelligently handling user queries for video data. More information about his research is available at <http://www.cs.cmu.edu/~juny>

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All are welcome!

*In case of questions, please contact Dr Li Qing at Tel: 2788 9695, E-mail: itqli@cityu.edu.hk,
or visit the CS Departmental Seminar Web at <http://www.cs.cityu.edu.hk/>.*