

COMPUTER SCIENCE SEMINAR SERIES

Department of Computer Science
City University of Hong Kong
(Departmental Seminar Seminar 2006/2007 - No 66)

A Personalized Recipe Database System with User-Centered Adaptation and Tutoring Support

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Date :

9 July 2007 (Monday)

Time :

3:00pm- 4:00pm

Venue :

CS Seminar Room, Rm Y6405, 6th Floor Yellow Zone, Academic Building, City University of Hong Kong, Tat Chee Avenue, Kowloon Tong.

Abstract

We present a user-centered adaptive recipe database system called Dish_Master to manage recipes in a novel way, which not only helps users learn basic cooking principles and skills but also provides users with a set of real-time solutions to solve problems that may arise in their cooking practice. Furthermore, a new recipe retrieval method is employed for users to query similar recipes by example. To increase the query efficiency on user modified graphs, a domain-specific graph segmentation method is proposed for cooking graph indexing in accordance with a filtering algorithm featuring on the distinguishable structures and the shared percentage of graphs.

This paper is presented in the SIGMOD PhD Workshop on Innovative Database Research (IDAR2007), Beijing China, June 10, 2007.

Supervisor: Prof Qing Li (CS)

Research Interests: Recipe Data Modeling, Pattern/Graph Mining, Web Data Extraction

All are welcome!

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