

COMPUTER SCIENCE COLLOQUIUM

Department of Computer Science
City University of Hong Kong
and
Hong Kong Web Society

Where is the Location in Location-Based Services?

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Date :

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Time :

11:00am - 12:00pm (Refreshment will be served at 10:45am)

Venue :

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

Abstract

Location-based services (LBSs) provide users with services adapted to where they are located. A simple example is to find the nearest restaurant for the user. A more complicated one is to direct the user to the restaurant with instructions adapted to his transportation method. A basic requirement for LBSs is of course to identify where the user is, which can be roughly provided by GPS or cellular phones. However, to provide enriched personal services, we need a location model for describing the semantics of locations, physical objects and events. Most of the previous research on location models focused on outdoor space, which can be treated as a 2-D or 3-D Euclidean space. In this talk, I would focus on indoor spaces. After all, most people spend most of their time indoor. I would describe our research performed or being performed in the WHAM! (Where Am I?) location modeling project. I will show a couple of applications where the model is applied. I will also talk about some research issues on location-based query processing and conclude with a few research directions that we are pursuing.

Biography

Dik Lun Lee received the PhD degree in computer science from the University of Toronto. He is a Professor in the Department of Computer Science and Engineering at the Hong Kong University of Science and Technology, and was an associate professor in the Department of Computer and Information Science at the Ohio State University, USA. He was the founding conference chair for the International Conference on Mobile Data Management. His research interests include information retrieval, search engines, and mobile and pervasive computing.

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*In case of questions, please contact Dr 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/>.*