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FACULTY OF SCIENCE AND TECHNOLOGY
DEPARTMENT of COMPUTER AND INFORMATION
SCIENCE

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**“MyBenchmark --- Customer-Oriented
Benchmarking”**

by

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Date : 07/01/2011 (FRIDAY)

Time : 16:00

Venue : J313

Abstract

To evaluate the performance of database applications and DBMSs, we usually execute workloads of queries on generated databases of different sizes and measure the response time. In this talk, I will introduce MyBenchmark, an offline data generation tool that takes a set of queries as input and generates database instances for which the users can control the characteristics of the resulting workload. Applications of MyBenchmark include database testing, database application testing, and application-driven benchmarking. I will present the architecture and the implementation algorithms of MyBenchmark, and also the evaluation results using TPC workloads. The prototype of this system had just been published in VLDB 2010. This project is sponsored by Hong Kong Government General Research Fund and is a project supported by Microsoft SQL Server Product Group.

Biography

Dr. Eric Lo is an assistant professor in the Department of Computing at the Hong Kong Polytechnic University (HKPU). He received an MPhil degree in computer science from the University of Hong Kong and a PhD degree from ETH Zurich. He worked for Google (Mountain View) and Microsoft (Redmond) before he returned to Hong Kong. His research interests include database and software engineering.

ALL ARE WELCOME!