



香港網上學會



Hong Kong Web Society

Hong Kong Web Society
In co-operation with IEEE Hong Kong Section Computer Chapter
9th Seminar on

Mapping Relational Database into XML Schema Dr. Joseph Fong

Date: 28 December 2000 (Thursday)

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:

XML (eXtensible Markup Language) has emerged and is gradually accepted as the standard for data interchange in the Internet world. XML databases packaged by the key Relational Database Vendor in the market as the extender or cartridge to the relational database management system. Interoperation of relational database and XML database involves schema translation. This seminar provides a methodology of translating a relational database schema into XML through EER (extended entity relationship) model. A set of exhaustive data search algorithms are used to recover the semantics from the relational database into EER model, and then mapped to XML schema by a stepwise procedure.

Keywords: relational schema, XML schema, extended entity relationship model, exhaustive data search algorithms, data type definition

About the speaker:

Joseph Fong is an associate professor in the Computer Science Department at City University of Hong Kong. He had been the chairman of the Hong Kong Computer Society Database Special Interest Group in 1995-1997, and is the founder chairman of Sybase Hong Kong User Group and Hong Kong Web Society. Fong has worked in the electronic data processing in U.S. for 11 years, and came back to Hong Kong as an academia since 1988. He has published many journal papers in database reengineering, interoperability and integration, a book in Information Systems Reengineering by Springer Verlag in 1997, and a patent of Patent#: HK1020419 on "Frame Model for Universal Database in Database Reengineering, Integration and Interoperability". He received his B.Sc. from State University of New York at Buffalo in Electrical Engineering in 1976, M.Sc. degree from State University of New York at Stony Brook 1977 in Electronic Engineering, M.B.A. from Golden Gate University in Telecommunication Management in 1985, and his Ph.D. from University of Sunderland in Computing in 1993.

Inquiry

In case of questions, please contact Mr Francis Pang at Tel: 27888619, E-mail: csfpang@cityu.edu.hk, or visit the Hong Kong Web Society Website <http://www.hkws.org>