

# NATIONAL UNIVERSITY OF SINGAPORE

School of Computing

## C S S E M I N A R

**Title:** XML element retrieval: information retrieval leveraging document structure

**Speaker:** Assistant Professor Atsushi Keyaki  
Department of Computer Science  
Tokyo Institute of Technology, Japan

**Date/Time:** 21 November 2016, Monday, 02:00 PM to 03:00 PM

**Venue:** MR6, AS6-05-10

**Chaired by:** Dr Kan Min Yen, Associate Professor, School of Computing  
(kanmy@comp.nus.edu.sg)

### Abstract:

Recently, the volume of information retrieval from mobile phones and tablet PCs has been drastically increasing. With these search environments, traditional document-granular information retrieval is not the most appropriate methodology in terms of the screen size of the devices and communications traffic. XML element retrieval is one of the solutions for that, which is element-granular information retrieval and leverages both contents (text) and the document structure in order to extract only and all relevant descriptions from an XML document. In this seminar, I will provide an introduction to XML element retrieval, including my efforts on the Initiative for the Evaluation of XML Retrieval (INEX). I will also present a study on applying XML element retrieval technique into Web documents, through my participation to MobileClick at NII Testbeds and Community for Information access Research (NTCIR).

### Biodata:

Atsushi Keyaki is an assistant professor at the Department of Computer Science, School of Computing, Tokyo Institute of Technology, Japan. He received the Ph.D. degree in engineering from the Nara Institute of Science and Technology (NAIST) in 2014, and his B.S. and M.S. from the Doshisha University. He was a JSPS research fellow (DC2) from 2012 to 2014, and a research intern at Microsoft Research Asia in 2013. His research interests include information retrieval, database systems, and natural language processing. He is a member of ACM, IPSJ, IEICE, and DBSJ.