

# NATIONAL UNIVERSITY OF SINGAPORE

School of Computing

## C S S E M I N A R

**Title:**           **FoodLog: a multimedia tool for healthcare applications**

**Speaker:**       Professor Kiyoharu AIZAWA  
Department of Information and Communication Engineering  
University of Tokyo

**Date/Time:**   13 July 2015, Monday, 11:00 AM to 12:00 PM

**Venue:**         Executive Classroom, COM2-04-02

**Chaired by:**  Dr Chua Tat Seng, KITHCT Chair Professor, School of Computing  
(chuats@comp.nus.edu.sg)

Refreshment will be provided after the talk.

### Abstract:

Our daily food is an emerging target for multimedia. Healthcare field is paying considerable attention on dietary control, which requires that individuals record what they eat. We developed and made publicly available a novel smartphone application, that is, FoodLog, a multimedia food recording tool that allows users to take photos of their meals and to produce textual food records. Unlike the conventional smartphone-based food recording tools, it allows users to employ meal photos to help them to input textual descriptions based on image retrieval. In this talk, we will talk about the outline of FoodLog, its deployment in healthcare field, and some features of big food recording data captured by a year-long operation of FoodLog App.

### Biodata:

Kiyoharu Aizawa received the BE, ME, and PhD in Electrical Engineering all from the University of Tokyo in year 1983, 1985 and 1988 respectively. He is currently a Professor at the Department of Information and Communication Engineering of the University of Tokyo.

His research interest is in image processing and multimedia applications. He is one of the pioneers of life logging fields, and very recently he is focusing on multimedia food logging for dietary assessment.

Prof Aizawa received the 1987 Young Engineer Award and the 1990, 1998 Best Paper

Awards, the 1991 Achievement Award, 1999 Electronics Society Award from IEICE Japan, and the 1998 Fujio Frontier Award, the 2002 and 2009 Best Paper Award, and 2013 Achievement award from ITE Japan. He received the IBM Japan Science Prize in 2002.

He is currently on Editorial Board of IEEE Trans. Image Processing, ACM TOMCCAP, Journal of Visual Communications and Image Representation, APSIPA Transactions on Signal and Information Processing, and International Journal of Multimedia Information Retrieval.