NATIONAL UNIVERSITY OF SINGAPORE

School of Computing

C S   S E M I N A R

Title: **Cognitive Assistant for the Elderly**

Speaker: Dr Hironobu Takagi
              IBM Research, Tokyo

Date/Time: 14 February 2017, Tuesday, 11:00 AM to 12:00 PM

Venue: SR1, COM1-02-06

Chaired by: Dr Lim Youliang, Brian, Assistant Professor, School of Computing
              (brianlim@comp.nus.edu.sg)

Abstract:

Cognitive assistant means to augment or supplement missing or weakened abilities of people
with disabilities and elderly people, using the power of cognitive computing technologies or
AI. I will focus on cognitive assistants for elderly people. The life expectancy in Japan was
extended 30 years from 60 to 90 in this 70 years. On the other hand, nation-level healthcare
cost is increasing drastically. We need to create a new model for the active aging society. In
the talk, I will introduce technologies to enable active aging society. I will start from
accessibility and usability, social connection, Internet of Things especially for home and care
facility, intelligent assistant by using cognitive computing technologies and brain science to
seek solution for dementia. I will also showcase some projects that implement such solutions
in the real world.

Biodata:

Dr. Hironobu Takagi is a senior technical staff member, manager of accessibility research at
IBM Research Tokyo. He has been leading research on accessibility, HCI, and cognitive
computing over the last two decades. He is a working group member on the Council for
Aging Society, Japanese Ministry for Internal Affairs and Communication.