



## Shun Hing Distinguished Lecture Series 2006

### Research 2.0

by

**Dr. Harry Shum**

**Managing Director  
Microsoft Research Asia**



**Date:** 28 November 2006, Tuesday  
**Time:** 2:00 p.m. (*Reception starts at 1:45 p.m.*)  
**Venue:** Lecture Theatre, 9/F, William M. W. Mong Engg. Bld., CUHK

### Abstracts

Two important technical trends have emerged over the last decade. First, the Web continues to grow its size with a variety of new data and penetrates every aspect of our lives. Second, "software as services" has become not only a new form of software delivery, but also a way of releasing quality software. These two trends are having sweeping influence on the software ecosystem and IT industry by driving many online businesses that connect people to people and people to information. In this talk, we examine the potential impacts of "Web" and "software as services" on "research." We share our findings with the audience by suggesting six new directions for "Research 2.0": (1) The Web as a research platform; (2) leveraging community effects; (3) data centric computing; (4) the need of deployment driven research; (5) infrastructure is crucial; and, (6) seamless user experience across devices. To illustrate these important directions of Research 2.0, we will describe and demonstrate some recent progress made at Microsoft Research Asia in these areas. We will also show demos of Chinese Couplets (智能中文对联系统) and Video Messenger with special effects.

A quick overview will also be given of Microsoft Research Asia, "the world's hottest computer lab" (MIT Technology Review, June 2004), including activities in basic research, technology transfer, product incubation, technology licensing, university relations and internship program.

### Biography of Speaker

**Dr. Shum** is a Distinguished Engineer of Microsoft Corporation. He received his M.Phil from Department of Electrical and Electronic Engineering, The University of Hong Kong in 1991, and was elected a Swire Scholar at Robert Black College in 1989-1991. He holds a Ph.D. in robotics from the School of Computer Science, Carnegie Mellon University. After he graduated, he worked as a researcher at Microsoft Research Redmond. In 1999, he moved to Microsoft Research Asia (Beijing, China) where he is currently the Managing Director.

His research interests include computer vision, graphics, human computer interaction, statistical learning and robotics. He is on the editorial boards for IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), and International Journal of Computer Vision (IJCV). He is the Program Co-Chair of Eleventh International Conference on Computer Vision (ICCV 2007 Brazil). He is a Fellow of IEEE.

\*\*\*\*\* ALL ARE WELCOME \*\*\*\*\*

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