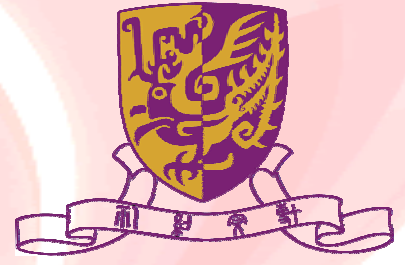# The Chinese University of Hong Kong

Shun Hing Institute of Advanced Engineering
&
CUHK MoE-Microsoft Key Laboratory of Human-Centric Computing and Interface Technologies

Distinguished Lecture Series 2008

Innovation: An MIT CSAIL Perspective

by

Professor Victor ZUE

Delta Electronics Professor of Electrical Engineering

Director of Computer Science and Artificial Intelligence Laboratory

Massachusetts Institute of Technology, USA

Date:	**31 October 2008, Friday**
Time:	**4:45 p.m. – 6:15 p.m.**
Venue:	**TY Wong Hall, 5/F, Ho Sin Hang Engineering Building, CUHK**

Abstracts

For more than four decades, the MIT Computer Science and Artificial Intelligence Laboratory (CSAIL) and its predecessors - the Artificial Intelligence Laboratory and the Laboratory for Computer Science, have contributed many technical innovations, ranging from time-sharing and RSA public key encryption to robotics and human-like interfaces. Some of these innovations have spawned successful start-ups or have been acquired by multinationals. In this talk, I would like to offer my personal opinion about the factors contributing to this innovation-rich research environment. I will illustrate my points with examples drawn from past and current research.

Biography of the Speaker

Victor Zue received his ScD from MIT in 1976, and has been at MIT ever since. He is the Delta Electronics Professor of Electrical Engineering and the Director of the Computer Science and Artificial Intelligence Laboratory. In the early part of his career, Victor conducted research in acoustic-phonetic and phonological analyses of American English. Subsequently, his research interest shifted to the development of spoken language interfaces to make human-computer interactions easier and more natural. Between 1989 and 2001, he headed the Spoken Language Systems Group at the MIT Laboratory for Computer Science, which has pioneered the development of many systems that enable a user to interact with computers using spoken language.

Outside of MIT, Victor has served on many planning, advisory, and review committees for the U.S. federal government and for many multinational corporations. From 1996-1998, he chaired the Information Science and Technology Study Group for the Defense Advanced Research Projects Agency of the U.S. Department of Defense, helping the DoD formulate new directions for information technology research. In 1999, he received the DARPA Sustained Excellence Award. Victor is a Fellow of the Acoustical Society of America, a Fellow of the International Speech Communication Association, and a member of the U.S. National Academy of Engineering. He is also an Academician of Academia Sinica in Taiwan.

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Light refreshment will be served at 4:30pm on 5/F ＊