



**THE CHINESE UNIVERSITY OF HONG KONG**  
Department of Information Engineering

*Seminar*

**Understanding Context and Learning  
from Human Feedback**

by

**Dr. Chen Change Loy**  
**Vision Semantics Ltd.**

**Date : 5 December, 2012 (Wed.)**  
**Time : 11:00am-12:00noon**  
**Venue : Room 833 Ho Sin Hang Engineering Building**  
**The Chinese University of Hong Kong**

Abstract

Computer scientists have made ceaseless efforts to replicate cognitive video understanding abilities of human brains onto autonomous vision systems. As video surveillance cameras become ubiquitous, there is a surge in studies on automated activity understanding and unusual event detection in surveillance videos. Nevertheless, video content analysis in public scenes remained a formidable challenge due to intrinsic difficulties such as severe inter-object occlusion in crowded scene and poor quality of recorded surveillance footage. Moreover, it is nontrivial to achieve robust detection of unusual events, which are rare, ambiguous, and easily confused with noise. In this talk I will present my on-going research on resolving ambiguous visual observations and overcoming unreliability of conventional activity analysis methods by exploiting multi-camera visual context and human feedback.

Biography

Chen Change Loy PhD (London), MIEEE – Dr. Loy is a postdoctoral researcher at Vision Semantics Ltd. Dr. Loy received his PhD (2010) in Computer Science from Queen Mary University of London. He has been involved in two European FP7 computer vision projects on security and surveillance using multi-camera CCTV systems, SAMURAI (2008-2011) and GETAWAY (2011-2014). His research interests include computer vision and machine learning, with focus on activity analysis and understanding in surveillance video. He has published over 25 papers in international journals and conferences.

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

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