Workshop on Earth Observation for Urban Planning and Management

Venue: Harbour Plaza Metropolis, Hung Hom
Date: 20th November, 2006
Time: Registration 9.00am
Location: **Salon 1 on Level 7**

Mistress of Ceremonies: Dr Lilian Pun

9.30am Opening Address by Professor Andrew Baldwin, Dean, Faculty of Construction and Land Use, The Hong Kong Polytechnic University

MORNING

Session 1

Chairman**:** Professor Esmond Mok

9.40-10.10 Professor Dale Quattrochi
Remote Sensing and Spatial Growth Modeling Coupled with Air Quality Modeling to Assess the Impact of city growth on the Local and Regional Environment

10.10-10.25 Dr Janet Nichol
Remote sensing and GIS for Urban Environmental Quality Assessment

1025-10.45 Discussion

10.45-11am Coffee Break

Session 2

Chairman**:** Professor Li Zhilin

11.00-11.30 Professor Manfred Ehlers
Geospatial integration and fusion techniques of high resolution sensors for environmental mapping and monitoring

11.30-11.45 Professor Shi Wen Zhong
High resolution satellite imagery for spatial data acquisition (fusion, geometric correction and feature extraction)

11.45-12.05 Discussion

12.05-12.25 Harbour View Group Photo-taking

12.30-1.45 Lunch

AFTERNOON

Session 3

Chairman: Professor Shi Wen Zhong

2.00-2.30 Professor Ian Dowman
Answering the challenges of 3D city modeling

2.30-2.45 Professor Li Zhilin
Integration of image and map data for building extraction

2.45-3.00 Dr Bruce King
Laser scanning in Hong Kong for building modeling

3.00-3.20 Discussion

Session 4

Chairman: Dr Janet Nichol

3.20-4.10 Professor Tong Qingxi
Development of urban remote sensing in China

4.10-4.25 Professor Ding Xiaoli
The use of InSAR for land subsidence in Hong Kong

4.25 Discussion

DAY 2

Venue: Harbour Plaza Metropolis, Hung Hom
Date: 21st November, 2006
Location: **Salon 1 on Level 7**
Facilitator: Professor Ian Dowman

Closed Discussion and Policy Review for drafting of policy document

Resulting from the closed discussion will be a policy document which outlines the current status of Earth Observation in Urban Planning and Management, identifies impediments, and makes recommendations for wider application

The discussion should focus on the following areas

1. **Current situation:** What are the main areas of EO currently used in Urban Planning and Management?
2. What are the potential uses (promising research, and potentially operational in then foreseeable future)
3. What are the impediments preventing wider adoption of EO technology in Urban Planning and Management?
4. What are the requirements in future technology to promote wider use?
5. What other general requirements are there to promote wider adoption of EO technology in Urban Planning and Management?