

The 7th South East Asian Survey Congress Hong Kong, China

第七屆東南亞測量會議



' From Compass and Pacing to Cyber Spacing
How does SE Asian Surveying Measure Up? '

始自羅盤加步行，演成數據化空間。
東南亞太測量界，趕上迎頭莫等閒。

Congress Programme

Dates: 3 - 7 November 2003
Venue: Kowloon Shangri-La Hong Kong
Website: www.seasc2003hk.org

Organised by:



The Hong Kong Institute of Surveyors

Suite 801 Jardine House, Connaught Place, Central, Hong Kong
Tel: (852) 25263679 Fax: (852) 28684612 Website: www.hkis.org.hk

Co-organised by:



Lands Department

The Government of the Hong Kong Special Administrative Region

In Association with:



Wednesday, 5 November 2003

PLENARY SESSION 09:00 – 10:00

Plenary Speaker – Dr. Bill ROBERTSON, Former Director General of Lands and Surveyor General in N.Z.
'Surveying! Preparing for Change and Opportunities into the Future'

Coffee Break 10:00 – 10:30

PARALLEL SESSIONS 6 10:30 – 12:30

PARALLEL SESSION 6A Foundation of Hydrography

Fanling Room, LL1

Chair: Mr. Adam GREENLAND

Chart Datum for Hydrography
(G. John BROADBENT, Raymond J. MARTIN)

Monitoring Sea States with GPS Buoys
(Wu CHEN, Congwei HU, Dawei, ZHENG, Xiaoli DING, Yongqi CHEN)

Current International Hydrographic Organization (IHO) Activities
(Kwok-chu NG)

Connecting Tidal Datums with GPS
(Chia-Chyang CHANG, Yuan-Da SUN)

Lunch 12:30 – 14:00

PARALLEL SESSION 6B

Change Detection and Monitoring by Remote Sensing; GPS Data Processing

Tai Po Room, LL1

Chair: Dr. Xiaoli DING

The Intelligent Decision Analysis Technology of Extracting LUCC Information
(Ping WANG, Jixian ZHANG, Lei PANG, Yongguo ZHENG, Ping SUN)

The Satellite Infrared Anomaly before 1999 JIJ1 Ms7.6 Earthquake and 2001 KUNLUN Ms8.1 Earthquake in China
(Zhihui DENG; Meihua CHEN; Yu WANG; Zhuzhuan YANG; Fangtuo TANG; Xiudeng XU)

Application of Ambiguity Resolution Techniques in High-Accuracy GPS Single Point Positioning System
(Min WANG, WenGang ZHANG)

PARALLEL SESSIONS 7 14:00 – 15:30

PARALLEL SESSION 7A Hydrography in Action

Fanling Room, LL1

Chair: Mr. Nick EMERSON

Combination of Photogrammetric and Bathymetric Techniques in Monitoring of Marine Rubble-Mound Structures
(Lik-shan LAM)

Sub-Marine Fibre Optic Telecommunication Cable Route Surveys An EGS Approach
(Kai-wing LAM, Nigel Ridley THOMAS)

Marine Cadastre and Marine Spatial Planning
(M. Sigit WIDODO, M. Edwin TJAHJADI, Fanita C. ARIE)

The Evolving Role of Hydrography in Ocean Governance and the Concept of a Marine Cadastre
(Michael SUTHERLAND, Susan NICHOLS)

Coffee Break 15:30 – 16:00

PARALLEL SESSION 7B

Terrestrial Photogrammetry

Tai Po Room, LL1

Chair: Dr. Andreas DREES

Fusion of Photogrammetric Imagery and Laser Scanner Point Clouds
(Eric Kwabena FORKUO, Bruce Anthony KING)

Towards Pedestrian Navigation and Orientation
(Darko KLINEC, Dieter FRITSCH)

Using Convergent Digital Close Range Photogrammetry For Documentation of Singapore's Merlion
(Hwee Yong LOI)

PARALLEL SESSIONS 8 16:00 – 17:00

PARALLEL SESSION 8A Spatial Imagery (II)

Fanling Room, LL1

Chair: Mr. Darko KLINEC

A Solution to the Instability Problem in Rational Function Model Generation
(Liping ZHAO, Wei WANG)

Effect of JPEG Compression on the Quality of Image Products
(Zhilin LI)

PARALLEL SESSION 8B Surveying Technologies

Tai Po Room, LL1

Chair: Mr. L.W. LAM

3D Laser Scanner
(Neil P. ASHCROFT)

The Impact of Technology on Surveying: Past, Present and Future
(Daniel WALLACE)

Impact of New Technology on the Civil Engineering Industry
(Andrew RYAN)



7th South East Asian Survey Congress

3 - 7 November 2003, Hong Kong

From Compass and Pacing to Cyber Spacing - How Does SE Asian Surveying Measure Up?

Technical Tour - Hydrographic Surveying

Organised by

**Civil Engineering Department (CED) - Survey Division
Marine Department - Hong Kong Hydrographic Office (HKHO)**

Date: 6th November 2003 (Thursday)

Fee: HK\$200

Plenary Session (9:00am - 10:00am)

Speaker: Prof. YANG Kai, Deputy Director General, State Bureau of Surveying and Mapping, China.

10:15 am	Meet at Kowloon Shangri-La Hotel (Lobby)
10:15 - 10:45 am	To HKHO, Stonecutters Island,
10:50 - 11:05 am	Technical Talk : Maintenance of Port Facilities by CED - Survey Division
11:05 - 11:20 am	Technical Talk : Current Activities of HKHO by Marine Department - HKHO
11:25 am	Boarding the Survey Vessels "PW5" and "Hydro 2"
11:55pm-12:35pm	Briefing on Multibeam Echo Sounding Equipment
1:00 - 2:30 pm	Lunch at Lamma Island (Seafood)
2:30 - 3:30pm	Back to HKHO, Stonecutters Island
3:30 - 4: 00pm	Back to Shangri-La Hotel

Please register now, as spaces are limited!

Contact Persons: Lesly (852) 96330273 ; Adam Greenland (44) 7711640085