



## Technical Programme

### **Saturday, 12 May 2007**

#### **ACCO Meeting**

Time: **Saturday, 12 May 2007 09:00-17:00**

Venue: Harbour I

- By invitation only

### **Sunday, 13 May 2007**

#### **General Assembly**

Time: **Sunday, 13 May 2007 09:00-15:30**

Venue: Grand Ball Room

#### **Commission Annual Meetings**

Commission: 1-10

Time: **Sunday, 13 May 2007 16:00-17:00**

Venue: Meetings will be held as follows:

- Rose: Commission 1
- Peony: Commission 2
- Fanling: Commission 3
- Magnolia: Commission 4
- Tai Po: Commission 5
- Camomile: Commission 6
- ShekO: Commission 7
- Lotus: Commission 8
- Jasmine: Commission 9
- Laurel: Commission 10

#### **Welcome Reception**

Time: **Sunday, 13 May 2007 18:30-20:30**

Venue: Orchid

### **Monday, 14 May 2007**

#### **Opening Ceremony**

Commission: All

Time: **Monday, 14 May 2007 10:00-11:15**

Venue: Grand Ball Room

- Broadcast of HKIS Corporate Video
- Greeting by Ms. **Winnie Shiu**, Congress Director
- Welcome address by Mr. **Hak Chan**, BBS, Chairman of FIGWW2007 Organising Committee

- Address by Mr. **Raymond Chan**, HKIS President
- Address by Prof. **Stig Enemark**, FIG President
- FIG Fanfare
- Lion Eye Dotting Ceremony by The Honourable **Donald Tsang**, GBM, the Chief Executive of HKSAR, People's Republic of China, HKIS President and FIG President
- Opening of the FIG Working Week
- Lion Dance
- End of the Opening Ceremony

### **Coffee Break**

Time: **Monday, 14 May 2007 11:15-11:45**

Venue: Ball Room Foyer

### **Plenary Session I – Responding to the Global Agenda**

Commission: All

Time: **Monday, 14 May 2007 11:45-12:45**

Venue: Grand Ball Room

Chair: Mr. **Raymond Chan**, President of HKIS, Hong Kong SAR, China

Dr. The Honorable **Leung Chun Ying**, GBS, JP, Convener of the Non-official Members of the Executive Council, Hong Kong SAR:  
Global Expertise for Globalized Markets (2258)

Prof. **Stig Enemark**, President of FIG:

The Role of FIG in Responding the Millennium Goals and the Global Agenda (2259)

### **Lunch**

Time: **Monday, 14 May 2007 12:45-14:00**

Venue: Orchid and Ball Room Foyer

### **TS 1A – Land Administration Concepts**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Fanling

Commission: 7

Chair: Mr. **András Osskó**, Chair of Commission 7, Hungary

Rapporteur: Dr. **Arbind Man Tuladhar**, the Netherlands

Mr. **Ulrik Westman**, UN-Habitat (Kenya):

The Global Land Tool Network and Partners - Achievements and Challenges on Pro Poor Land Management Approaches (2221)

Dr. **Clarissa Augustinus** (Kenya), Prof. **Peter van Oosterom**, Prof. **Paul van der Molen** and Mr. **Christiaan Lemmen** (the Netherlands):

The Social Tenure Domain Model – Specifications of a First Draft Model (1373)

Mr. **Göran Eriksson** (Sweden):

Cadastral Procedures in the Nordic Countries – A Comparison on Prices, Costs and Handling-times (1184)

Dr. **Sergey Volkov** (Russian Federation)

Ms. **Galina Kovalevskaya** will make the presentation:

Land Administration System in Russian Federation (1224)

Prof. **Paul van der Molen** (the Netherlands):

Some Measures to Improve Transparency in Land Administration (1304)

### **TS 1B – Adjustment and Calculation**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Tai Po

Commission: 5

Chair: Mr. **Man Wing Kan**, Hong Kong SAR, China

Rapporteur: Mr. **Mikael Lilje**, Sweden

Prof. **Abdallah Saad** and Dr. **Mona Saad** (Egypt):

Simple Model for Improving the Accuracy of the Egyptian Geodetic Triangulation Network (1226)

### **TS 1C – Management of Real Estate**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Shek-O

Commission: 9, 7 and 8

Chair: Mr. **Bengt Kjellson**, Sweden

Rapporteur: Mr. **Yu Kam Hung**, Hong Kong SAR, China

Mr. **Steven Nystrom** (USA):

Risk and Time in a Land Lease Economy (1415)

Mr. **Malvern Tipping** and Prof. **Richard K. Bullard**<sup>\*)</sup> (United Kingdom):

Sale-and-leaseback as a British Real Estate Model (1201)

<sup>\*)</sup> In memoriam Professor Dr. Richard K. Bullard, FRICS (1935-2007)

Ms. **Heidi Falkenbach** and Ms. **Katri Nuuja** (Finland):

Flat Ownership and Registration in Europe (1276)

Mr. **Francois Mazuyer**, Mr. **Pierre Bibollet** and Mr. **Rafic Khouri** (France):

The Surveyor in the City - His Role in the Organisation and Management of Apartment Buildings (1541)

### **TS 1D – Spatial Data Infrastructures**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Kowloon I

Commission: 3

Chair: Prof. **Yerach Doytsher**, Israel

Rapporteur: Ms. **Kari Strande**, Norway

Mr. **Bo Lauri** (Sweden):

Spatial Information, an Important Part of the Infrastructure in Sweden (1343)

Mr. **So Man Cheong** and Mr. **Ng Wai Tak** (Hong Kong SAR, China):

Spatial Data Exchange within the HKSAR Government – From a Perspective of a Data Agent (1339)

Dr. **Szabolcs Mihály** (Hungary):

The Hungarian SDI Strategy (1632)

Dr. **Jens Riecken** (Germany):

Spatial Information Management in the Context of SDI and e-Government – The German Approach (1530)

Mr. **Alain Gaudet** (France):

Planning Procedure for L'Association Fonciere Urbaine Autorisee (Registered Land Urban Association) (1535)

### **TS 1E – Curriculum Development**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Harbour I

Commission: 2

Chair: Prof. **Bela Markus**, Chair of Commission 2, Hungary

Rapporteur: M. **Lam Hok Lam**, Hong Kong SAR, China

Prof. **Hans Mattsson** (Sweden):

University Education for Land Tenure Development (1374)

Dr. **Steven Frank** (USA):

Designing a Surveying Curriculum to Meet Professional Licensing Needs in New Mexico and Surrounding States (1266)

Mr. **Peter Stempel** (USA):

Crossroads: New Methods in Environmental Education (1398)

Mr. **Adrian T. G. Radulescu**, Prof. **Georghe M. T. Radulescu** and Dr. **Stefan Ovidiu** (Romania):

Issues Concerning the Integration of the Romanian Geodesic Education into the European One, Under the Stipulations of the Bologna Agreement (1249)

### **TS 1F – Deformation Measurement**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Harbour II

Commission: 6

Chair: Mr. **Lam Li Wah**, Hong Kong SAR, China

Rapporteur: Dr. **Gethin Roberts**, United Kingdom

Dr. **Andreas Eichorn**, Dr. **Johannes Fabiankowitsch**, Dr. **Michaela Haberler-Weber** and Dr. **Alexander Reiterer** (Austria):

Analysis of Thermal Deformations of an Arched Theatre Ceiling (1279)

Mr. **Eric Tang**, Mr. **Vincent Lui** and Mr. **Andrew Wong** (Hong Kong SAR, China):

Application of Automatic Deformation Monitoring System for Hong Kong KSL Railway Monitoring (1326)

Dr. **Milan Talich** (Czech Republic):

Geometrical Analysis of Deformation Measurement Using Continuum Mechanics by Web Application (1375)

Dr. **Paul Denys**, Ms. **Rachelle Winefield** and Mr. **Aaron Jordan** (New Zealand):

Incorporating Localised Deformation Events in Dynamic Datums (1391)

Dr. **Krzysztof Pietruszka** (Poland):

Geodetic Inspections of Mining Areas in Regions Affected by the Storage of Waste in Underground Mining Pits (1492)

### **TS 1G – Cadastral Boundary Issues**

Time: **Monday, 14 May 2007 14:00-15:30**

Venue: Harbour III

Commission: 7

Chair: Dr. **Conrad Tang**, Hong Kong SAR, China

Rapporteur: Mr. **Chow Kwan Lam**, Hong Kong SAR, China

Dr. **Haim Srebro** and Prof. **Maxim Shoshani** (Israel):  
The Order of Precedence of Boundary Delimitations (1295)

Mr. **Jiri Rydval** and Mr. **Libor Tomandl** (Czech Republic):  
Parcel Boundaries in the Czech Republic (1351)

Mr. **Halil Ibrahim Inan** and Mr. **Mehmet Cete** (Turkey):  
Evaluation of Land Parcel Identification Systems (1404)

Mr. **Leung Shou-chun** (China P. R.):  
Survey Record Plan vs. Survey Result Plan (1445)

### **TS 1H – Sustainability in Planning**

Time: **Monday, 14 May 2007 14:00-15.30**

Venue: Kowloon II

Commission: 8

Chair: Mr. **Simon Adcock**, Chair of Commission 8, Australia

Rapporteur: Dr. **Ioana Manaolache**, Romania

Dr. **Maria Ulfvarson Östlund** (Sweden):  
Changes in the Swedish Planning and Building Act –and a Method to Analyse Information (1742)

Dr. **David Owen** and Dr. **Diane Dumashie** (United Kingdom):  
The Built Environment Professional's Contribution to Major Disaster Management (1531)

### **Commission Meetings: Commission 1 – Working Group for Students and Young Professionals – Open Meeting for Students and Young Professionals**

Time: **Monday 14 May 2007 14:00-15:30**

Venue: Lotus

Commission: 1 and 2 and Students and Young Professionals Network

Chair: Ms. **Cecilia Lindén**, Chair of Working Group 1.2, Sweden

### **Coffee Break**

Time: **Monday, 14 May 2007 15:30-16:00**

Venue: Orchid Foyer

### **TS 2A – Standardization Approaches in Land Administration**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Fanling

Commission: 7

Chair: Mr. **Guyla Iván**, Hungary

Rapporteur: Dr. **Adriana Pulecka**, Poland

Mr. **Pete Kelsey** (USA):  
Integrating Survey, CAD and GIS into a Single Solution (1431)

Dr. **Jarosław Bydłosz** and Dr. **Piotr Parzych** (Poland):  
The Cadastral Data Exchange Standards in Poland (1197)  
This paper was not presented during the session.

Mr. **Dev Raj Paudyal** (Nepal):  
Nepalese Core Cadastral Data Model; Experiences from the Digital Cadastre in Nepal  
(1232). This paper was not presented during the session.

Mr. **Hendriatiningsih Sadikin**, Dr. **Irawan Soemarto**, Dr. **Bambang Edhie Leksono**,  
Mr. **Iwan Kurniawan**, Ms. **Novi Kristina Dewi** and Ms. **Nanin Soegito** (Indonesia):  
Identification of 3-Dimensional Cadastre Model for Indonesian Purpose (1740).  
This paper was not presented during the session.

### **TS 2B – Quality of Measurements**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Tai Po

Commission: 5

Chair: Mr. **David Martin**, France

Rapporteur: Mr. **Andrew Hunter**, Canada

Dr. **Limin Wu** and Ms. **Anna Li Feng Xia** (China P. R.) and Mr. **Joël van Cranenbroeck**  
(Belgium):  
Procedures for Quality Control of GNSS Surveying Results Based on Network RTK  
Corrections (1330)

### **TS 2C – Housing and Finance**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Shek-O

Commission: 3, 7, 8, 9 and 10

Chair: Prof. **Kauko Viitanen**, Chair of Commission 9, Finland

Rapporteur: Mr. **Bengt Kjellson**, Sweden

Mr. **Wafula Nabutola** (Kenya):  
Innovative Financing for Improvement of Slum Conditions (1470)

Ms. **Ann Jennervik** (Sweden):  
Dialogue on Core Issues re Access to Functioning Financial Mechanisms for Slum  
Inhabitants (1346)

### **TS 2D – Data Modeling and Algorithms**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Kowloon I

Commission: 3

Chair: Mr. **Bo Lauri**, Sweden

Rapporteur: Mr. **Gerasimos Apostolatos**, Greece

Prof. **Lothar Gruendig**, Dr. **Frank Gielsdorf** and Mr. **Bernd Aschoff** (Germany):  
Merging Different Data Sets Based on Matching and Adjustment Techniques (1362)

Dr. **Nagwa El-Ashmawy** (Egypt):  
Semi-Automatic Technique for 3D Building Model Generation (1495)

Mr. **Nelson Yam Hon-fun** (Hong Kong SAR, China):  
3D Spatial Data in Lands Department, Government of the Hong Kong Special  
Administrative Region, People's Republic of China (1345)

## **TS 2E – Institutional and Organisational Development**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Harbour I

Commission: 1

Chair: Mr. **Yaacoub Saade**, Chair of Commission 1, Lebanon

Rapporteur: Ms. **Leonie Newnham**, Australia

Mr. **Iain Greenway** (United Kingdom) and Prof. **Stig Enemark** (Denmark):  
FIG's Contribution to Institutional and Organisational Development (1311)

Ms. **Ebru H. Colak** and Ms. **Firdevs Yomralioglu** (Turkey):  
The Status of Women Surveyors in Turkey (1408)  
This paper was not presented during the session.

Mr. **Brian Coutts** and **Don Grant** (New Zealand):  
The New Zealand Surveyor in the 21st Century (1486)

Mr. **Pierre Bibollet** (France):  
The French Surveyors' Youth Policy (1750)

## **TS 2F – Monitoring of Large Structures**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Harbour II

Commission: 6

Chair: Mr. **T.N. Wong**, Hong Kong SAR, China

Rapporteur: Prof. **Alojz Kopacik**, Slovakia

Dr. **Gethin Roberts**, Mr. **Chris Brown**, Mr. **Chris Atkins** and Mr. **Xiaolin Meng** (United Kingdom):  
Further Results from Using GPS to Monitor the Deflections of the Forth Road Bridge (1296)

Mr. **Joel van Cranenbroeck** (Belgium):  
Continuous Beam Deflection Monitoring Using Precise Inclometers (1328)

## **TS 2G – Cadastral Surveying**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Harbour III

Commission: 7

Chair: Mr. **Leung Shou Chun**, Hong Kong SAR, China

Rapporteur: Mr. **Libor Tomandl**, Czech Republic

Mr. **Nirmalendu Kumar** (India):  
Renovating Cadastral Map – An Indian Perspective (1228)

Mr. **Mehmet Cete** and Mr. **Halil Ibrahim Inan** (Turkey):  
An Overview of Turkish Cadastral Organisation: A Good Practice (1402)

Dr. **Tayfun Cay**, Mr. **Selim Adibelli** and Mr. **Fatih Iscan** (Turkey):  
Second Cadastre Design for Turkey (1246)

## **TS 2H - Round Table on Education in Asia and the Pacific**

Time: **Monday, 14 May 2007 16:00-17:00**

Venue: Kowloon II

Commission: 2

Chair: Prof. **Bela Markus**, Chair of Commission 2, Hungary

Rapporteur: Mr. **Steven Frank**, USA

The roundtable is a forum for discussion and exchange of views on the future of surveying education in developing countries around in Asia and the Pacific paying particular attention the role of FIG Commission 2.

## **Commission Meetings: Commission 4 – Meeting on Regional Conference in Costa Rica**

Time: **Monday 14 May 2007 16:00-17:00**

Venue: Lotus

Commission: 4

Chair: Mr. **Andrew Leyzack**, Chair of Commission 4, Canada

## **Tuesday 15 May 2007**

### **Commission Working Group Meetings: Commission 9 WG 9.2 – Improving Slum Conditions through Innovative Financing**

Time: **Tuesday 15 May 2007 8:00-9:00**

Venue: Lotus

Commission: 9

Chair: Mr. **Bengt Kjellson**, Chair of WG 9.2, Sweden

### **Plenary Session II – Governing Mega Cities – Policies and Technical Aspects**

Commission: All

Time: **Tuesday, 15 May 2007 09:00-10:30**

Venue: Grand Ball Room

Chair: Mr. **Marco Wu**, SBS, JP, Past President of HKIS, Hong Kong SAR, China

Prof. **Holger Magel** (Germany):

Governance Makes a City – Lessons Learnt to Promote Local Governance (2267)

Mr. **Albert Leung**, Engineering System Manager, Hong Kong and China Gas Co. Ltd. (Hong Kong SAR, China):

Managing Urban Utilities – Technical Aspects (2260)

Mr. **Tony Tse**, Past President of HKIS (Hong Kong SAR, China):

Land Markets and Real Estate Development in Mega Cities – Experiences from Hong Kong (2261)

### **Standards Network Meeting**

Time: Tuesday 15 May 2007 9:00-10:30

Venue: Lotus

Chair: Mr. **Iain Greenway**, Chair of the FIG Standards Network, United Kingdom

### **Coffee Break**

Time: **Tuesday, 15 May 2007 10:30-11:00**

Venue: Orchid Foyer



### **TS 3A – Land Tenure and Land Administration**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Fanling

Commission: 7

Chair: Prof. **Paul van der Molen**, FIG Vice President, the Netherlands

Rapporteur: Ms. **Marina Vaskovich**, Belarus

Ms. **Katie Henderson**, Mr. **Jofe Jenkins** and Dr. **Chris Hoogsteden** (New Zealand):  
Pitcairn Island Land Tenure Reform – Altering the Land Ownership and Land Use Patterns  
in the Furthestmost “Pink Bit”.1 (1213)

Mr. **Muhammad Bashir Nuhu** (Nigeria):

Urban Land Management: The Need for Innovative Approaches to Land Registration  
System in Nigeria (1315).

### **TS 3B – Airborne Surveying – Laserscanners and Cameras**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Tai Po

Commission: 5

Chair: Prof. **Chen YQ**, Hong Kong SAR, China

Rapporteur: Mr. **David Martin**, France

Prof. **Ralf Schroth** (Germany):

Large Format Digital Cameras for Aerial Survey of Geospatial Information (1206)

Prof. **Abdallah Saad**, Dr. **Mona Saad**, Prof. **Ahmed Shaker** and Dr. **Amro Hanafi**  
(Egypt):

Restore Technique for Improving the Datum Transformation Process (1218)

### **TS 3C – Valuation Practice**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Shek-O

Commission: 9 and 1

Chair: Mr. **Steven Nystrom**, USA

Rapporteur: Ms. **Heidi Falkenbach**, Finland

Mr. **Shen Xiaowei** and Mr. **Gong Fangqiang** (China P. R.):

A Brief Discussion of Commercial Real Estate Appraisal (1757)

This paper was not presented during the session.

Dr. **Bambang Edhi Leksono**, Mr. **Andri Hernandi** and Mr. **Liber Sinaga** (Indonesia):

The Analysis of Variables which Influence Rent-value of Units on Multi-level Commercial  
Building Based on 3D Network Data Structure (2082)

Dr. **Oyewole Mustapha Bello** and Mrs. **Victoria A. Bello** (Nigeria):

The Influence of Contemporary Models on Valuation Practice in Nigeria (1283)

This paper was not presented during the session.

Mr. **Dieter Kertscher** (Germany):

Base of Transparency in Markets of Real Estate in Germany: Purchase Price Collection  
and the Report of Real Estate (1457)

Mr. **Kang Du** (China P. R.):

Land Property Evaluation in System Reform of State-owned Enterprises: Evidence from  
Shenzhen (1526)

### **TS 3D – Web-based Approaches to Spatial Information Management**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Kowloon I

Commission: 3

Chair: Dr. **Szabolcs Mihály**, Hungary

Rapporteur: Mr. **Cheng Wai Pun**, Hong Kong SAR, China

Mr. **Lam Siu Tong** and Ms. **Pang Mei Tuan, Pauline** (Hong Kong SAR, China):  
Building Records e-Search – Building Records at Your Finger Tips (1350)

Dr. **Bi Jiantao**, Ms. **Wang Xingxing**, Mr. **He Jianbang** and Mr. **Chi Tianhe** (China P. R.):

Sharing and Distributed Service of Remote Sensing Data via Internet (1406)

This paper was not presented during the session.

Dr. **Lee Kiwon** (Republic of Korea):

Prototype Implementations for Multi-typed 3D Urban Features Visualization on Mobile 3D and Web 3D Environments (1214). This paper was not presented during the session.

Ms. **Gypsy Bhalla** (Australia):

Australian Spatial Data Policy: Legal Issues Arising from Data Delivery via the Internet (1704)

### **TS 3E – Role of Public and Private Sectors**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Harbour I

Commission: 1

Chair: Mr. **Teo CheeHai**, Malaysia

Rapporteur: Mr. **Law King Wai**, Hong Kong SAR, China

Dr. **Joseph Forrai** (Israel):

The Government and the Private Sector – Shotgun Wedding or an Inevitable Relationship? (1221)

Mr. **Iain Greenway** (United Kingdom):

National Mapping – Funding the Public Good (1312)

Dr. **Ron Adler** and Mr. **Moshe Benhamu** (Israel):

Professional Ethics for Licensed Surveyors – The Proposal for a Social Contract (1387)

Dr. **Ashley Dabson**, Mr. **Mike Waters** and Prof. **Frances Plimmer** (United Kingdom):

Ethics for Surveyors: What Are the Problems? (1386)

Mr. **Ken Allred** (Canada):

The Disciplinary Process (1460)

Dr. **Alexander P. Karpik** and Mr. **Vladimir A. Seredovich** (Russian Federation):

Current Publications on Geodesy in Russia (1171)

### **TS 3F – Subsidence and Landslide Monitoring**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Harbour II

Commission: 6

Chair: Dr. **Andreas Eichorn**, Austria

Rapporteur: Prof. **Alojz Kopacik**, Slovakia

Mr. **Vincent Lui**, Mr. **Jacky Ng**, Dr. **Alan K. L. Kwong** (Hong Kong SAR, China):  
Reclamation Ground Settlement Monitoring by Using GPS and Other Positioning Technologies at ShenZhen Airport (1286)

Prof. **Zhang Zhenglu**, Dr. **Luo Changlin**, Mr. **Mei Wensheng**, Mr. **Deng Yong** and Mr. **Liu Zuqiang** (China, P. R.):  
Study of 2G Technology and Method for Landslide Monitoring (1297)

Dr. **Andrew Jarosz** and Mr. **Hani Zahiri** (Australia):  
Integration of InSAR and GIS for Monitoring of Subsidence Induced by Block-cave Mining (1368)

Prof. **Xiaoli Ding** and Mr. **Wujiao Dai** (Hong Kong SAR, China), Prof. **Qin Zhang** and Mr. **Li Wang** (China, P. R.) and Mr. **Wentao Yang** (Hong Kong SAR, China):  
Application of Multi-Antenna GPS Technology in Monitoring Stability of Slopes (1399)

Dr. **C. C. Chang**, Dr. **P. S. Hung** and Mr. **H. Z. Chen** (Chinese Taipei):  
Fitness Analysis of Land Subsidence Estimation for GPS Monitoring Station (1479)

### **TS 3G – Management of Partnerships and Conflict**

Time: **Tuesday, 15 May 2007 11:00-12:30**

Venue: Harbour III

Commission: 10

Chair: Ms. **Sara J. Wilkinson**, Chair WG 10.1, Australia

Rapporteur: **Mr. Richard A. Hucker**, Chair WG 10.3, United Kingdom

Mr. **John M. D. Bacon** (United Kingdom):  
Does Collaborative Working (Partnering) Enable the More Effective Integration of Surveying Services? (1300)

Mr. **John Molloy** (Hong Kong SAR, China):  
Civil Engineering Measurement Claims in Hong Kong (1664)

Mr. **Geoffrey Schmitt** (United Kingdom):  
Surveyors Acting as Expert Witness (1878)

Ms. **Leonie Newnham** and Prof. **John Parker** (Australia):  
Surveyors – Land Professionals, Adventurers, Pioneers and Now Entrepreneurs? (1420)

Dr. **S. Thomas Ng** (Hong Kong SAR, China):  
Using Balanced Scorecard for Subcontractor Performance Appraisal (2206)

### **TS 3H – Surveyors Role in Land Administration**

Time: **Tuesday, 15 May 2007, 11:00-12:30**

Venue: Kowloon II

Commission: 7

Chair: Mr. **Christiaan Lemmen**, the Netherlands

Rapporteur: Mr. **K. K. Sin**, Hong Kong SAR, China

Mr. **Moshe Benhamu** and Mr. **Yoav Coller** (Israel):  
The Responsibility and Involvement of the Surveyors in the Land Administration (1380)

Ms. **Eleni Tziortzioti** (Greece):  
Surveyor Engineer and Organizational Reform in Hellenic Public Sector's Services (1510)

Mr. **Armel Bertin**, Mr. **Patrick Bezard-Falgas** and Mr. **Rafic Khouri** (France):  
New IT Tools Enhance the Surveyors Role in France (1749)

Dr. **Tayfun Cay** and Mr. **Sefa Ozkan** (Turkey):  
The Registration Problems in Cappadocia/Turkey (1264)

#### **Meeting of the FIG Academic Members**

Time: **Tuesday 15 May 2007, 11:00-12:30**

Room: Jasmine

Commission: 2

Chair: Prof. **Stig Enemark**, Denmark and Prof. **Bela Markus**, Hungary

#### **Lunch**

Time: **Tuesday, 15 May 2007 12:30-14:00**

Venue: Orchid and Ball Room Foyer

#### **TS 4A – Land Administration for Economic Growth**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Fanling

Commission: 7 and 8

Chair: Mr. **Simon Adcock**, Chair of Commission 8, Australia

Rapporteur: Mr. **Christiaan Lemmen**, the Netherlands

Ms. **Clara Kweka Msale** (Tanzania):

Ownership and Economic Growth at What Cost? (1305)

Miss **Nsama Nsemiwe** (Zambia):

Enhancing Pro Poor Land Administration: A Vision for Economic Growth Development in Zambia (1349)

Mr. **Robert Mahoney**, Prof. **Peter Dale** and Mr. **Robin McLaren** (United Kingdom):  
Land Markets – What Are They and Why Are They Required and How Will They Develop?  
(1352)

Mr. **Mike Waters**, Prof. **Frances Plimmer**, Ms. **Sarah Kenney** and Ms. **Gaye Pottinger** (United Kingdom):

Developer Strategies for Sustainable Development in the UK: Redevelopment versus Refurbishment and the Sustainable Communities Plan (1385)

Prof. **Francis Gäbele** and Mr. **Marc Vanderschueren** (Belgium):

The General Administration of the Patrimonial Documentation: An Actor of the Juridical Security and of the Economic Growth in Belgium (1273)

#### **TS 4B – GNSS 1**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Tai Po

Commission: 5

Chair: Mr. **Simon Kwok**, Hong Kong SAR, China

Rapporteur: Dr. **Volker Schwieger**, Germany

Dr. **Zuova Zheng** (China P.R.), Prof. **Yongqi Chen** (Hong Kong SAR, China) and Mr. **Zhonghai Yi** (China P. R.) :  
A Study on the Prediction of GPS Satellite Clock Bias with IGS Ultra-rapid Products – Preliminary Results (1348). This paper was not presented during the session.

Ms. **Iu Ka Man** (Macau SAR, China):  
Macao Geodetic Infrastructure: Permanent GPS Reference Stations (1423)

#### **TS 4C – Valuation Methods**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Shek-O

Commission: 9

Chair: Mr. **Henning Elmstrom**, Denmark

Rapporteur: Mr. **Albert Chan**, Hong Kong SAR, China

Dr. **Anna Baranska** and Prof. **Jozef Czaja** (Poland):  
Statistical Verification of Real Estate Estimation Models (1275)

Mr. **Marek Kulczycki** and Mr. **Marcin Ligas** (Poland):  
Spatial Statistics for Real Estate Data (1274)

Mr. **David Smejkal** (Czech Republic):  
Using Software for Valuation (1633)  
This paper was not presented during the session.

#### **TS 4D – SDI in Support of Real Estate Markets**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Kowloon I

Commission: 3 and 9

Chair: Mr. **Robert W. Foster**, USA

Rapporteur: Mr. **Steven Nystrom**, USA

Ms. **Ewa Dębińska** and Dr. **Piotr Cichociński** (Poland):  
Conceptual Modelling of Real Estates for the Purposes of Mass Appraisal (1290)

Dr. **Chryssy Potsiou** (Greece):  
Real Estate Market Needs for SDI and e-Planning (2262)

Mr. **Yossi Kraus**, Mr. **Uri Shoshani** and Prof. **Yerach Doytsher** (Israel):  
Precise Coordinate LIS for Improving Planning and Land Registration Processes in the Modern Real Estate Markets (1681)

Dr. **Bambang Edhi Leksono**, Mr. **Dicky A.S. Soeria Atmadja** and Mr. **I Made Sugiada** (Indonesia):  
Improvement of Property Tax Office's Spatial Data Security through Spatial Database Redesign (2085)

#### **TS 4E – e-Learning and Knowledge Management**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Harbour I

Commission: 2

Chair: Dr. **Arbind Man Tuladhar**, the Netherlands

Rapporteur: Mr. **Peter Byrne**, Australia

Dr. **Steven Frank** (USA):

Experiences in Providing a Nation-wide Distance Education Course in Surveying Ethics (1267)

Dr. **Tamas Jancso** and Prof. **Bela Markus** (Hungary):

Reuse and Sharing of e-Learning Materials inside the EU (1243)

Mr. **Richard Davis** and Prof. **Paul Watson** (United Kingdom) and Ms. **Chi Lai Man** (Hong Kong SAR, China):

Knowledge Management for the Quantity Surveying Profession (1260)

Dr. **Luo Changlin**, Prof. **Zhang Zhenglu**, Dr. **Mei Wensheng** and Dr. **Deng Yong** (China, P. R.):

Teaching Practice of Automatic Measurement with Georobot (1299)

#### **TS 4F – Engineering Applications**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Harbour II

Commission: 6

Chair: Mr. **Frank Cheng**, Hong Kong SAR, China

Rapporteur: Dr. **Ivo Milev**, Germany

Mr. **Andrew Lee Hung Shing** (Hong Kong SAR, China):

Engineering Survey System for TBM (Tunnel Boring Machine) Tunnel Construction (1320)

Mr. **Joel van Cranenbroeck** (Belgium):

Advanced Surveying Control Services for Building the Vertical Cities (1329)

Dr. **Andrew Jarosz** and Mr. **James Langdon** (Australia):

Development of Inspection and Surveying Tool for Vertical Mining Openings and Shafts (1371)

#### **TS 4G – Construction Economics and Development**

Time: **Tuesday, 15 May 2007 14:00-15:30**

Venue: Harbour III

Commission: 10

Chair: Mr. **Andrew M. Morley**, Chairman of Commission 10, United Kingdom

Rapporteur: Mr. **Howard M. Klein**, United Kingdom

Dr. **Paul Ho** (Hong Kong SAR, China):

Economics Planning of Super Tall Buildings in Asia Pacific (1673)

Dr. **Ellen Lau** and Mr. **K. S. Yam** (Hong Kong SAR, China):

A Study of the Economic Value of High-rise Office Buildings in China (1670)

Mr. **Richard Hucker** (United Kingdom):

Planning and Development in Northern Iraq (1513)

Ms. **Sara Wilkinson** (Australia):

Perceived Deficiencies and the Policing of Building Regulations: An Australian Perspective (1440)

Ms. **Wang Fen**, Mr. **Li Dawei**, Mr. **Wang Chao**, Ms. **Liu Yong** and Ms. **Lin Yan** (China, P. R.):

Explanation on the 3rd Edition of "Construction Projects Economic Evaluation Method and Parameter" (1233)

#### **TS 4H – SIM Applications**

Time: **Tuesday 15 May 2007 14:00-15:30**

Venue: Kowloon II

Commission: 3

Chair: Ms. **Eleni Tziortzioti**, Greece

Rapporteur: Prof. **Hartmut Müller**, Germany

Mr. **Volkan Yildirim** and Mr. **Arif Cagdas Aydinoglu** (Turkey):

An e-Enrollment Model for Public Schools in Developing Countries Using GIS (1401)

Mr. **Tsoi Cheong-wai** (Hong Kong SAR, China):

HKSAR Geospatial Information Hub (GIH) – A Common Geospatial Information Platform and Spatial Data Portal (1672)

#### **Coffee Break**

Time: **Tuesday, 15 May 2007 15:30-16:00**

Venue: Orchid Foyer

#### **TS 5A – GNSS 2**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Fanling

Commission: 5

Chair: Dr. **Volker Schwieger**, Germany

Rapporteur: Mr. **Rob Sarib**, Australia

Dr. **Joel Barnes** (Australia), Mr. **Joel van Cranenbroeck** (Belgium), Prof. **Chris Rizos**, Mr. **Anuj Pahwa** and Mr. **Nonie Politi** (Australia):

Long Term Performance Analysis of a New Ground-transceiver Positioning Network (LocataNet) for Structural Deformation Monitoring Applications (1392)

Mr. **Donald Chun-ting Choi**, Mr. **James Ying-kit Wong**, Mr. **Ben Siu-bun Chan** (Hong Kong SAR, China):

Investigation on GPS Heighting Accuracy with the Use of Hong Kong Satellite Positioning Reference Station Network (SatRef) (1333)

Mr. **Brent Jones** and Mr. **Kevin Kelly** (USA):

Real Time GPS Networks (RTN) and Their Implications with Geographic Information Systems (GIS) (1314)

Mr. **Chan Kin-Kwok** and Mr. **Li Ben Chi-hung** (Hong Kong SAR, China):

The Hong Kong Satellite Positioning Reference Station Network (SatRef) – System Configurations, Services and Applications (1332)

#### **TS 5B – Digital Cadastral Mapping**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Tai po

Commission: 7

Chair: Mr. **Francis Gäbele**, Belgium

Rapporteur: Mr. **Marc Vanderschueren**, Belgium

Mr. **Dev Raj Paudyal** (Nepal):  
Assessment of the Digital Cadastre in Nepal from the Cadastre 2014 Vision (1234)

Dr. **Tayfun Cay** and Mr. **Fatih Iscan** (Turkey):  
A Study on the Determination of the Maximum Error in Digitizing Cadastral Map Sheets (1262)

Mr. **Ko JeongSeok**, Mr. **Park Sungseok** and Mr. **Shin Donghyun** (Republic of Korea):  
The Consecutive Drawings' Mapping Plan through the Computerization Project of the Cadastral Map in Korea (1397)

### **TS 5C – Real Estate Valuation**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Shek-O

Commission: 9

Chair: Mr. **David Smejkal**, Czech Republic

Rapporteur: Ms. **Cherry Mak**, Hong Kong SAR, China

Mr. **Antonio Benvenuti** (Italy):  
The Value of Real Estate between Building and Land (1277)

Dr. **Piotr Parzych** and Dr. **Jarosław Bydłosz** (Poland):  
The Algorithm of Urban Estates Valuation (1244)

Prof. **Sabina Żróbek** and Prof. **Ryszard Żróbek** (Poland):  
Real Estate Valuation for Special Purposes in Poland (1251)

Mr. **Tahsin Yomralioglu**, Mr. **Recep Nisanci** and Mr. **Volkan Yildirim** (Turkey):  
An Implementation of Nominal Asset Based Land Readjustment (1426)

### **TS 5D – Technical Aspects in SIM**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Kowloon I

Commission: 3

Chair: Ms. **Helen Murray**, Ireland

Rapporteur: Mr. **Rob Mahoney**, United Kingdom

Drs. **Oscar Custers** (the Netherlands):  
The Geospatial Managed Environment (1245)

Dr. **Zhong Zheng**, Dr. **Tor Yam Khoon** and Ms. **Zhang Xianhui** (Singapore):  
Automated 3D Geological Surface Modelling With CDT (1241)  
This paper was not presented during the session.

Dr. **Wioleta Blaszcak** and Prof. **Waldemar Kaminski** (Poland):  
Data Number Reduction in Measurement Results Set Using Optimization Algorithm (1388) This paper was not presented during the session.

### **TS 5E – Mutual Recognition**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Harbour I

Commission: 1 and 2

Chair: Prof. **Stig Enemark**, FIG President, Denmark

Rapporteur: Prof. **Frances Plimmer**, United Kingdom



Mr. **Teo Chee Hai** (Malaysia):  
Mutual Recognition of Surveying Qualification: Theory, Concept or Reality? (1289)

Prof. **Frances Plimmer** (United Kingdom):  
Mutual Recognition of Professional Qualifications (1382)

### **TS 5F – Building Information Systems and GIS Applications**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Harbour II

Commission: 6 and 3

Chair: Mr. **G. A. Andreassend**, Hong Kong SAR, China

Rapporteur: Mr. **Joel van Cranenbroeck**, Belgium

Mr. **Christian Clemen** and Prof. **Lothar Gruendig** (Germany):  
The IMAP Principle in Building Information Systems (1278)

Mr. **Thorsten Schwing** (Germany):  
Measurements and Documentation of Buddhist Stone Inscriptions in China, Shandong (1247)

Mr. **Sabahattin Akkus**, Mr. **Hasan Cagla**, Mr. **Fuat Basciftci** and Mr. **Turgut Ayten** (Turkey):  
Petrol and Natural Gas Distribution Lines in Turkey and Cartography Studies (1235)

### **TS 5G – Affordable and Sustainable Development**

Time: **Tuesday, 15 May 2007 16:00-17:00**

Venue: Harbour III

Commission: 10

Chair: Mr. **Richard A. Hucker**, Chair WG 10.3, United Kingdom

Rapporteur: Mr. **John M. D. Bacon**, United Kingdom

Ms. **Sara Wilkinson** and Dr. **Richard Reed** (Australia):  
Barriers and Drivers towards the Transition to a Low Carbon Built Environment (1434)

Mr. **Howard Klein** (United Kingdom):  
The Cost of Constructing Affordable and Sustainable Housing and Community Buildings in the Andaman Islands (1379)

Mr. **Muhammad Bashar Nuhu** (Nigeria):  
Property Development as a Panacea to Poverty Alleviation in Nigeria (1316)

Mr. **Hubert Hiew Hon Hiung** and Mr. **Peter NG** (Hong Kong SAR, China):  
How the Quantity Surveyor Can Create Values in the Procurement of Construction Works in Hong Kong (1665)

Mr. **Maurizio Savoncelli** (Italy):  
A New Economic-managerial Approach for the Whole Die of Building (1281)

### **TS 5H – Spatial Data Modelling and Sharing**

Time: **Tuesday 15 May 2007 16:00-17:00**

Venue: Kowloon II

Commission: 3

Chair: Mr. **Paul Ng**, Hong Kong SAR, China

Rapporteur: Mr. **G. A. Andreassend**, Hong Kong SAR, China

Dr. **Jan Kolar**, Dr. **Erik Kjems**, Dr. **Lars Bodum** and Prof. **Esben Munk Sørensen** (Denmark):

Global Surface Model Using Space Shuttle Radar Topographic Mission Dataset and Global Grid Indexing (1340)

Mr. **Ma LiGuang**, Mr. **He JianBang** and Mr. **Cao YanRong** (China P. R.):

Study on Data Management and Sharing Service Based Metadata and Dataset Concept – A Case Study in Environment Sciences and Ecology Area (1582)

Mr. **He JianBang**, Mr. **Cao YanRong** and Mr. **Ma LiGuang** (China P. R.):

Research and Practice on Information Sharing Environment in China Sustainable Development Information System (1583)

This paper was not presented during the session.

### **Dialogue on Core Issues re Improving Slum Conditions through Innovative Financing – Part I: Land Use Management and Property Rights. Implications for Access to Finance**

Time: **Tuesday 15 May 2007 16:00-17:00**

Venue: Lotus

Commission: 9, 3, 7 and 8

Chair: Ms. **Ann Jennervik**, Sweden

## **Wednesday, 16 May 2007**

### **Commission Meetings: Commission 3 – Meeting**

Time: **Wednesday 16 May 2007 8:00-9:00**

Venue: Jasmine

Commission: 3

Chair: Dr. **Chryssy Potsiou**, Chair of Commission 3, Greece

### **Commission 8 – Annual Meeting Second Session**

Time: **Wednesday 16 May 2007 8:00-9:00**

Venue: Lotus

Commission: 8

Chair: Mr. **Simon Adcock**, Chair of Commission 8, Australia

### **Plenary Session III – Responding to the Global Agenda – Policies and Technical Aspects**

Commission: All

Time: **Wednesday, 16 May 2007 09:00-10:30**

Venue: Grand Ball Room

Chair: Prof. **Stig Enemark**, FIG President, Denmark

Mr. **Keith Bell** (World Bank):

Good Governance in Land Administration (2219)

Prof. **Theo Kötter** (Germany):

Disaster Risk Management – Surveyors Contributions (2263)

Dr. **Xiao Ping**, Deputy Director General, Shan Xi Province, State Bureau of Survey and Mapping (China P. R.):

Development of Survey and Mapping in China (2264)

**Coffee Break**

Time: **Wednesday, 16 May 2007 10:30-11:00**

Venue: Orchid Foyer

**TS 6A – Case Studies on Land Administration Projects in Asia and the Pacific**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Fanling

Commission: World Bank and Commission 7

Chair: Mr. **Keith Bell**, World Bank

Rapporteur: Prof. **Paul van der Molen**, FIG Vice President, the Netherlands

Mr. **Tony Burns** (World Bank) and Dr. **Kate Dalrymple**, Australia  
Land Administration Core Comparisons (2168)

Mr. **Do Duc Doi**, Director VLAP (Vietnam):  
Work in MONRE and Proposed Vietnam Land Administration Program (2265) (tba)

Mr. **Daniel Carter** and Mr. **Bounhom Heuangsovath** (Australia):  
Developing a Modern Cadastre in Lao PDR (2211)

**TS 6B – Land Use and Land Management in Land Administration**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Tai Po

Commission: 7 and 3

Chair: Ms. **Eleni Tziorzioti**, Greece

Rapporteur: Ms. **Eleni Tziorzioti**, Greece

Mr. **Turgut Ayten**, Mr. **Hasan Cagla**, Mr. **Sabahattin Akkus**, Mr. **Fuat Basciftci** and  
Mr. **Hakan Yilmaz** (Turkey):  
An Evaluation on Classification Maps in Project Applications of Land Arrangement in  
Turkey (1288) This paper was not presented during the session.

Ms. **Marina Vaskovich** (Belarus):  
Does the Chain "Subdivision – Purchase – Building Permit" Work Properly in Sweden?  
(1378)

Dr. **Adrianna Pulecka** and Mr. **Przemyslaw Kupidura** (Poland):  
GIS Supporting Landscape Issues in Land Consolidation Works in Poland (1242)

**TS 6C – Forum on New Techniques for Positioning**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Shek-O

Commission: 5

Chair: Mr. **Joel van Cranenbroeck**, Belgium and Mr. **Matt Higgins**, FIG Vice President,  
Australia

Rapporteur: Prof. **Rudolf Staiger**, Chair of Commission 5, Germany and Dr. **Ruth E.  
Neilan**, USA

Mr. **Joel van Cranenbroeck** (Belgium):  
Proposal to Organise During the FIG Working Week 2007 in Hong Kong, a Kick-Off Session to Evaluate the Interest of Creating a New Working Group Named "Positioning Infrastructures" within the FIG Commission 5 – Positioning and Measurement. (1331)

- **Chris Rizos**, Australia
- **Dave Zilkoski**, USA
- **Esmond Mok**, Hong Kong SAR, China
- **Matt Higgins**, Australia
- **Rudolf Staiger**, Germany
- **Robert Sarib**, Australia
- **Joël van Cranenbroeck**, Belgium
- **Marc Burbidge**, United Kingdom

### **TS 6D – Spatial Information Management Applications**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Kowloon I

Commission: 3

Chair: Dr. **Jens Riecken**, Germany

Rapporteur: Dr. **Chryssy Potsiou**, Greece

Mr. **Poon Hin-chow** and Ms. **Wong Kam-fung** (Hong Kong SAR, China):  
The Production and Applications of Digital Orthophoto of Hong Kong Special Administrative Region, China (1428)

Mr. **Sandi Iksan Nugraha**, Mr. **Drajat Setiawan** and Mr. **Benget May Ronson Hutauruk** (Indonesia):  
GIS Application for Effective and Efficient Reporting and Information Media in PT Freeport Under Ground Mine (1538)

Mr. **Leung Kin-wah** and Ms. **Leung Yuen-ling, Joanna** (China P. R.):  
Who Owns the Map? (1338)

Mr. **Seyit Ali Yilmaz** (Turkey):  
Observation of Land Transport Vehicles from Satellite (1208)

### **TS 6E – Building a Sustainable Future**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Harbour I

Commission: 2 and 1

Chair: Mr. **Gert Steinkellner**, Austria

Rapporteur: Mr. **Peter Stempel**, USA

Mr. **John Hohol** (USA):  
The FIG Foundation- Building a Sustainable Future: A Report on Activities Supported by Foundation Grants (1396)

Mr. **Rob Mahoney** and Prof. **Frances Plimmer** (United Kingdom), Prof. **John Hannah** (New Zealand) and Mr. **James Kavanagh** (United Kingdom):  
Where Are We Heading? The Crisis in Surveying Education and a Changing Profession (1381)

Prof. **Paul Watson** and Mr. **Richard Davis** (United Kingdom):  
Developing the 'All-round' Professional Surveyor (1263)  
This paper was not presented during the session.

Ms. **Leonie Newnham** and Prof. **John Parker** (Australia):  
Surveyors – Land Professionals, Adventurers, Pioneers and Now Entrepreneurs? (1420)

### **TS 6F – Terrestrial Laser Scanning I**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Harbour II

Commission: 6 and 5

Chair: Prof. **Lothar Gruendig**, Germany

Rapporteur: Dr. **Gethin Roberts**, United Kingdom

Dr. **Gethin Roberts** and Mr. **Matthew Baddley** (United Kingdom):  
Deformation Monitoring Trials Using a Leica HDS3000 (1292)

Dr. **Ivo Milev** and Prof. **Lothar Gruendig** (Germany):  
New Tools for Terrestrial Laserscanning Applied to Monitoring of Rails and Buildings (1294)

Mr. **Wai Ching Dominic Siu** and Mr. **Lik Shan Lesly Lam** (Hong Kong SAR, China):  
3D Modelling of Star Ferry Pier by Laser Scanning Technology (1324)

Mr. **Andrew Wong**, Dr. **Alan Kwong** and Mr. **Jacky Ng** (China, P. R.):  
Monitoring Slope Failure at Kadoorie Agricultural Research Centre with a 3D Laser Scanner (1285)

Mr. **Chow Kwan Lam** (Hong Kong SAR, China):  
Engineering Survey Applications of Terrestrial Laser Scanner in Highways Department of the Government of Hong Kong Special Administration Region (HKSAR) (1488)

### **TS 6G – e-Government and Land Administration**

Time: **Wednesday, 16 May 2007 11:00-12:30**

Venue: Harbour III

Commission: 7 and 3

Chair: Ms. **Kari Strande**, Norway

Rapporteur: Mr. **Gyula Iván**, Hungary

Mr. **Bruno Razza** (Italy):  
Research of the "Prove" and Conservation of the Real Rights within the Modern, Technological and Telematic Cadastre (1280)

Dr. **Zhang Xiuzhi** and Ms. **Li Yuan** (China P. R.):  
Establishment of the e-Government System for Real Estate Mortgage Registration (1357)

Mr. **Stefan Gustafsson** and Ms. **Agnieszka Drewniak** (Sweden):  
EULIS – European Land Information Service (1364)

Mr. **Nam Kwonmo**, Mr. **Tcha Deukgii** and Mr. **Jung Raejung** (Republic of Korea):  
Development of Server to Service Cadastral Survey-Data (1355)

Mr. **András Osskó** (Hungary):  
Cadastre, Land Administration Systems and e-Government (1493)

## **TS 6H – Real Estate Valuation and Land Acquisition**

Time: **Wednesday 16 May 2007 11:00-12:30**

Venue: Kowloon II

Commission: 9

Chair: Prof. **Kauko Viitanen**, Chair of Commission 9, Finland

Rapporteur: Ms. **Heidi Falkenbach**, Finland

Mr. **Liao Fanyou** (China P. R.):

China's Requisition of Land and the Relocation of the Market Research (1527)

Prof. **Ryszard Żróbek** and **Sabina Żróbek** (Poland):

Procedure of Real-estate Acquisition by Foreigners in Poland (1252)

Dr. **Andrzej Hopper** and Dr. **Wojciech Wilkowski** (Poland):

International Organizations in Real Estate Valuation Environment and Their Relations with FIG (1934)

Vice President **Li Jia Lin** (China P. R.):

Standardized Management and Competitiveness Nurturing of the Property Valuation Industry in the People's Republic of China (2281)

This paper was not presented during the session.

## **Dialogue on Core Issues re Improving Slum Conditions through Innovative Financing – Part 2: Land Management Practices and Tools and Their Links to Efficient Finance**

Time: **Wednesday 16 May 2007 11:00-12:30**

Venue: Lotus

Commission: 9, 3, 7 and 8

Chair: Ms. **Ann Jennervik**, Sweden

### **Lunch**

Time: **Wednesday, 16 May 2007 12:30-14:00**

Venue: Orchid and Ball Room Foyer

## **TS 7A – Conflicts – Informal Settlements: Policy and Concepts**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Fanling

Commission: 7 and 8

Chair: Mr. **Ulrik Westman**, UN-Habitat, Kenya

Rapporteur: Mr. **G. A. Andreassend**, Hong Kong SAR, China

Dr. **Oyewole Mustapha Bello** (Nigeria):

Accessibility to Land as a Tool for Empowering the Low-income Earner of the Informal Sector in Nigeria (1282)

Dr. **Haim Srebro** (Israel):

A Model of Boundary Delimitation in a Peace Agreement (1291)

Dr. **Zhang Xiuzhi** and Ms. **Chen Yuting** (China, P. R.):

An Empirical Study of the Land Use of the Minority Ethnic Group's Rural Settlements – Taking the Manchu Village in Beijing for an Example (1358)

Dr. **Diane Dumashie** (United Kingdom):

The Road Towards More Sustainable Places: The Surveying Professional's Contribution within Informal Settlements (1480)

## **TS 7B – Coastal Zone Management and Environmental Issues**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Tai Po

Commission: 8 and 4

Chair: tbd

Rapporteur: Mr. **Gordon Johnston**, United Kingdom

Mr. **Dave Zilkoski**, Mr. **Douglas Brown** and Mr. **Galen Scott** (USA):

Geospatial Tools for Addressing Disaster Management, Coastal Settlements and Climate Change Issues (1395)

Dr. **Sagi Filin**, Dr. **Yoav Avni** and Mr. **Amit Baruch** (Israel):

Quantification of Environmental Change in Receding Lake Environments (1393)

Prof. **Liu Hongbin** (China P. R.):

Sustainable Development of Shandong Coastal Tourism Industry in China (1992)

Mr. **Chima Ogba** and Mr. **Pius B. Utang** (Nigeria):

Vulnerability and Adaptations of Nigeria's Niger Delta Coast Settlements to Sea Level Rise (1342)

## **TS 7C – New Techniques and Sensors for Positioning**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Shek-O

Commission: 5

Chair: Mr. **Mikael Lilje**, Sweden

Rapporteur: Mr. **Aaron Jordan**, New Zealand

Dr. **Volker Schwieger** (Germany):

High-Sensitivity GNSS – The Low-Cost Future of GPS ?! (1370)

Mr. **Kenny Chan Chi-hung** and Mr. **Ben Chan Siu-bun** (Hong Kong SAR, China):

Positioning Services in Web 2.0 (1334)

Mr. **Andrew Hunter**, Dr. **Naser El-Sheimy**, Mr. **Bruce Wright** and Mr. **Gordon Stenhouse** (Canada):

a-tracker: A Technology Solution for Animal Tracking Using GPS and an Internal Pedometer (1722)

Mr. **Neil Weston**, Dr. **Gerald Mader** and Dr. **Tomas Soler** (USA):

OPUS Projects – A Web-based Application to Administer and Process Multi-day GPS Campaign Data (1679)

Mr. **Tong Kwan-yuen** (Hong Kong SAR, China):

A Preliminary Study on Practical Issues in Using RTK GPS for 3D Mapping (1620)

Mr. **Shen Tsung-I**, Mr. **Chang Che-Hao** and Mr. **Huang Pei-Yuh** (Chinese Taipei):

Application Research of GRP3000 Absolute Coordinates Track Survey System on Trackworks Construction (1741)

### **TS 7D – SDI for Land Management**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Kowloon I

Commission : 3, 7 and 8

Chair: Mr. **Cheng Wai Pun**, Hong Kong SAR, China

Rapporteur: Mr. **Robin McLaren**, United Kingdom

Mr. **Phillip Rudd** and Mr. **Rob Sarib** (Australia):

The Integration of Visualisation Services into the e-Development Process in the Northern Territory of Australia (1372)

Prof. **Hartmut Müller** and Mr. **Mirko Siebold** (Germany):

Land Use Control and Property Registration in Germany – Procedures, Interrelationships, IT Systems (1248)

Ms. **Helen Murray** (Ireland):

Spatial Data Management – An Essential Building Block for Land Management in Ireland (1359)

Dr. **Arbind Tuladhar** (the Netherlands):

Land Information System (LIS) in Multilevel Environment (1394)

Mr. **He Wen** (China P. R.), Dr. **Conrad Tang** and Prof. **Chen Yong-qi** (Hong Kong SAR, China):

Enhancement of Urban Spatial Data Infrastructure in South China (1468)

### **TS 7E – Marketing and Sustainability in Education**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Harbour I

Commission: 2

Chair: Mr. **John Hohol**, USA

Rapporteur: Mr. **Gert Steinkellner**, Austria

Dr. **Arvo Vitikainen** (Finland):

Marketing of Surveying Education in Finland (1298)

Mr. **Peter Byrne** and Ms. **Gail Kelly** (Australia):

The ABC of x,y,z (or '21 Principles for Consideration by Geospatial Professionals) (1466)

Mr. **Anthony Adeoye** (Nigeria):

Changes in Surveying Practices in Nigeria: Opportunities, Responsibilities and Challenges (1310)

### **TS 7F – Hydrographic Surveying in Practice**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Harbour II

Commission: 4

Chair: Mr. **Andrew Leyzack**, Chair of Commission 4, Canada

**Rapporteur: Mr. David Neale, Trinidad and Tobago**

Dr. **Shen Qiang**, Prof. **E. Dongchen** and Mr. **Jin Yinlong** (China P. R.):

Crossover Analysis of Lambert-Amery Ice Shelf Drainage Basin for Elevation Changes Using ICESat GLAS Data (1272)



Mr. **Steve Y. W. Lam** and Mr. **Andrew E. Leyzack** (Canada):  
Integrating GIS, ECDIS and Web-based Marine Information System for Maritime Navigation and Coastal Protection (2230)

Mr. **Chan Kai-hong** (Hong Kong SAR, China):  
Test on Retrieving Tide with Network-RTK System (1981)  
Mr. **John McCarthy** (Australia):  
A Day is Never Long Enough (2214)

### **TS 7G – Integration Approaches in Land Administration**

Time: **Wednesday, 16 May 2007 14:00-15:30**

Venue: Harbour III

Commission: 7

Chair: Mr. **Daniel Roberge**, Canada

Rapporteur: Mr. **Gyula Iván**, Hungary

Mr. **Dimo Todorovski** (Macedonia FYROM) and Mr. **Christiaan Lemmen** (the Netherlands):  
Analyses of User Requirements – The First Step towards Strategic Integration of Surveying and Cadastral Services (1202)

Mr. **Rizqi Abdulharis**, Mr. **Kurdinanto Sarah**, Mr. **S. Hendriatiningsih** and Mr. **Andri Hernandi** (Indonesia):  
The Initial Model of Integration of the Customary Land Tenure System into the Indonesian Land Tenure System: Study Case of West Java and Banten, Indonesia (1360)

Mr. **Gyula Iván**, Mr. **Gábor Szabó** and Mr. **Zoltán Weninger** (Hungary):  
Integrated Land Information Services in Hungarian Land Administration (1347)

### **TS 7H – Forum on Project Management**

Time: Wednesday 16 May 2007 14:00-15:30

Venue: Kowloon II

Commission: 10

Chair: Mr. **Andrew M. Morley**, Chair of FIG Commission 10, United Kingdom  
Discussion on FIG's and Commission's 10 Role on Project Management. This is an Open Forum invited by President Stig Enemark.

### **Commission Meetings: Commission 9 WG 9.1 - Compulsory Purchase and Compensations in Land Acquisition and Takings and WG 9.3 – Diagnostic Tools and Prescriptive Practices for the Valuation Profession**

Time: **Wednesday 16 May 2007 14:00-15:30**

Venue: Lotus

Commission: 9

Chair: Prof **Kauko Viitanen**, Chair of WG 9.1, Finland and Mr. **Steven L. Nystrom**, Chair of WG 9.3, USA

### **Meeting of the FIG Corporate Members**

Time: **Wednesday 16 May 2007, 14:00-15:30**

Room: Jasmine

Chair: Prof. **Stig Enemark**, FIG President, Denmark

### **Coffee Break**

Time: **Wednesday, 16 May 2007 15:30-16:00**

Venue: Orchid Foyer

### **TS 8A – Experiences in Land Administration Projects**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Fanling

Commission: 7

Chair: Dr. **Adriana Pulecka**, Poland

Rapporteur: Dr. **Conrad Tang**, Hong Kong SAR, China

Ms. **Gertrude Pieper** (the Netherlands):

Developing a Land Registration System Using a Compromise between the Implementation of International Standards and Adaptation to Local Circumstances: The Cambodian Experience (1271)

### **TS 8B – Urban Regeneration**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Tai Po

Commission: 8

Chair: Dr. **Ioana Manaolache**, Romania

Rapporteur: Mr. **Ronald Chan**, Hong Kong SAR, China

Prof. **Theo Kötter** (Germany):

Economic Impacts of Urban and Infrastructure Development (1413)

Mr. **Frank Friesecke** (Germany):

The Role of Partnerships in Urban Regeneration – Exemplified by Renewal Projects in Cologne (Germany) and Liverpool (United Kingdom) (1336)

### **TS 8C – Terrestrial Laser Scanning II**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Shek-O

Commission: 5 and 6

Chair: Mr. **Andrew Hunter**, Canada

Rapporteur: Ms. **Perrine Rouffiac**, France

Dr. **Alan Kwong**, Mr. **Henry Kwok** and Mr. **Andrew Wong** (China, P. R.):

Use of 3D Laser Scanner for Rock Fractures Mapping (1284)

Dr. **Zhizhong Kang**, Dr. **Sisi Zlatanova** and Dr. **Ben Gorte** (the Netherlands):

Automatic Registration of Terrestrial Scanning Data Based on Registered Imagery (1317)

Prof. **Rudolf Staiger** (Germany):

Selection Criteria for Terrestrial Laser Scanners (1475)

Dr. **Derek Lichti** (Australia), Mr. **Stefan Brüstle** (Germany) and Mr. **Jochen Franke** (Australia):

Self Calibration and Analysis of the Surphaser Hemispherical 3D Scanner (1325)

### **TS 8D – SDI toward Legalizing Informal Development**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Kowloon I

Commission: 3, 7 and 8

Chair: Dr. **Chryssy Potsiou**, Chair of FIG Commission 3, Greece

Rapporteur: Mr. **Gerasimos Apostolatos**, Greece

Mr. **Bayram Uzun** and Ms. **H. Ebru Colak** (Turkey):

Providing Formal Property Rights to Slum Owners through Tenure Legalization Process in Turkey (1407)

Mr. **Wafula Nabutola** (Kenya):  
Governance Issues in Slums (1469)

**TS 8E – The Future of Surveyors**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Harbour I

Commission: 2

Chair: Prof. **Arvo Vitikainen**, Finland

Rapporteur: Mr. **Rob Mahoney**, United Kingdom

Dr. **A. H. W. (Bill) Kearsley** (Australia):

Professionals and Professionalism in Surveying and Spatial Information: Essential, Desirable or Superfluous? (1487)

Dr. **Krystyna Czarnecka**, Dr. **Katarzyna Sobolewska-Mikulska** and Dr. **Wojciech Wilkowski** (Poland):

Education System for Property Valuers in Poland (1935)

Dr. **Jaeik Liou** (Republic of Korea):

A Tool for Measuring Sustainable Capacity Development with Agent-Based Spatial Asset Mapping (1253)

**TS 8F – Economic Benefits of Hydrography**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Harbour II

Commission: 4

Chair: Mr. **Gordon Johnston**, United Kingdom

Rapporteur: Mr. **John McCarthy**, Australia

Mrs. **Angela Etuonovbe** (Nigeria):

Economic Benefit of Hydrography: Land Reclamation in Bayelsa State: A Case Study of Saipem Camp (1307)

Mr. **David Neale** (Republic of Trinidad and Tobago):

The Case for Considering the Economic Benefits of Hydrography in the English Speaking Caribbean (1739)

Mrs. **Angela Etuonovbe** (Nigeria):

Coastal Settlements and Climate Change: The Effect of Climate Change / Sea Level Rise on the People of Awoye (1356)

Dr. **Kenneth Chebo Asangwe** (Cameroon):

The Implications of Rising Sea Level on the Coastal Lowlands of Cameroon (1335)

**TS 8G – Innovative Technology and Solutions in Land Administration**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Harbour III

Commission: 7 and 3

Chair: Dr. **Arbind Man Tuladhar**, the Netherlands

Rapporteur: Mr. **Guyla Iván**, Hungary

Dr. **Yury Neuyvakin** (Russian Federation):

Technological Aspects of Creating Infrastructure of Spatial Data of Land Plots (1265)

Mr. **Fatih Döner** and Mr. **Cemal Bıyık** (Turkey):  
Defining 2D Parcels in 3D Space by Using Elevation Data (1353)

### **Map History Session**

Time: **Wednesday, 16 May 2007 16:00-17:00**

Venue: Kowloon II

Commission: International Institution for Surveying and Measurement

Chair: Mr. **Gordon Andreassend**, Hong Kong SAR, China

Mr. **John Brock** (Australia):

Terra Australis Aperio - The Evolution of Australia on the Map (xxxx)

In recognition of the host country for the 2010 FIG Congress

### **Commission Meetings: Commission 9 WG 9.4 - Review of Valuation Methods and Standards Worldwide and WG 9.5 – GIS as a Tool in Real Estate Market Analysis and Valuation**

Time: **Wednesday 16 May 2007 16:00-17:00**

Venue: Lotus

Commission: 9

Chair: Mr. **David Smejkal**, Chair of WG 9.4, Czech Republic and Mr. **Henning Elmstrom**, Chair of WG 9.5, Denmark

## **Thursday, 17 May 2007**

### **President's Meeting**

Time: **Thursday, 17 May 2007 08:30-10:30**

Venue: Rose

- For presidents of member associations, by invitation only

### **ACCO Meeting**

Time: **Thursday, 17 May 2007 08:30-10:30**

Venue: Tbd

- By invitation only

### **General Assembly II**

Time: **Thursday, 17 May 2007 11:00-13:00**

Venue: Orchid

### **Closing Ceremony**

Commission: All

Time: **Thursday, 17 May 2007 14:30-16:00**

Venue: Orchid

Report on the Working Week 2007 by Mr. **Hak Chan**, Chairman of FIGWW2007

Organising Committee

Closing Remarks by Mr. **Raymond Chan**, HKIS President

Closing Address and Summary of the Working Week by Prof. **Stig Enemark**, FIG President

Appreciation to FIGWW2007 Organising Committee by Prof. **Stig Enemark**, FIG President

FIG Fanfare

Closing of the Working Week 2007