Sunday, 3 May 2009

ACCO Meeting
Time: Sunday, 3 May 2009, 09:00-17:30
Venue: Coral A

- by invitation only

Pre-Conference Workshop – History of Surveying
Time: Sunday, 3 May 2009, 11:00-17:30
Venue: Coral B

- Separate registration required

HS 1 – Session 1
Time: Sunday, 3 May 2009, 11:00-12:30
Venue: Coral B
Commission: History
Chair: Dr. Haim Srebro, Israel

Mr. Hilik Horovitz, Israel:
The Survey of Israel Heritage Website (3296)

Ing. Richard Adrian Hucker, United Kingdom:
How Did the Romans Achieve Straight Roads? (3471)

Mr. Vitali Kaptüg, Russian Federation:
Geometry of the “Struve Arc” Compared with Up-to-date Geodetic Data (3357)
This paper has not been presented at the conference.

Lunch
Time: 12:30-14:00
HS 2 – Session 2
Time: **Sunday, 3 May 2009, 14:00-15:30**
Venue: **Coral B**
Commission: History
Chair: Mr. **John Brock**, Australia

Dr. **Peter Collier**, United Kingdom:
The Role of Networks in Changing Survey Teaching and Practice in Nineteenth Century Britain and the British Empire (3190)

Mr. **David Doyle**, USA:
Development of the U.S. Geodetic Framework 1807 to Present (3470)

**Coffee Break**
Time: **15:30-16:00**

HS 3 – Session 3
Time: **Sunday, 3 May 2009, 16:00-17:30**
Venue: **Coral B**
Commission: History
Chair: Mr. **Alan Wright**, United Kingdom

Dr. **Brian Baily**, United Kingdom:
An Analysis of Old Tide-line Mapping for Coastal Zone Management (3355)

Mr. **John Brock**, Australia:
Film Surveyors Reach the Top: Siege-busting Roman Surveyor at Masada and the Oscar Winning Oil Surveyor (3234)

**Monday, 4 May 2009**

**General Assembly – First Session**
Time: **Monday, 4 May 2009, 09:00-15:00**
Venue: **Big Blue Hall**
- for FIG members
- open for observers

**Coffee Break**
Time: **15:00-15:30**

**Commission Annual Meetings**
Commission: 1-10
Time: **Monday, 4 May 2009, 15:30-17:30**
Venue: Meetings will be held as follows:
- **Hotel room 308**  Commission 1
- **Coral B**  Commission 2
- **Big Blue Hall 2**  Commission 3
- **Hotel room 338**  Commission 4
- **Coral A**  Commission 5
- **Hotel room 438**  Commission 6
- **Big Blue Hall 1**  Commission 7
- **Tarshish B**  Commission 8
- **Tarshish A**  Commission 9
- **Hotel room 408**  Commission 10
- for national delegates and correspondents, but observers are also welcome to attend

**Welcome Reception**
Time: Monday, 4 May 2009 20:00-
Venue: Dan Eilat

- all participants, included in registration fee (except daily registrants)
- dress code: smart casual

**Tuesday, 5 May 2009**

**Opening Ceremony**
Time: Tuesday 5 May 2009, 09:00-10:30
Venue: Big Blue Hall
Chair: Dr. Joseph Forrai, Deputy Director General, Survey of Israel

*Cultural Programme*

**Welcome Greeting** – Dr. Haim Srebro, Director General, Survey of Israel and Conference Director

**Greeting** – Dr. Ron Adler, Past Director General, Survey of Israel and Chair of FIG PC Meeting 1972

**Welcome Address** - Mr. Joseph Kraus, ALSI President and Chairman of the Organizing Committee

**Welcome Address** – Prof. Stig Enemark, FIG President

**Opening Keynote Address**
Prof. Isaac Ben Israel, the Chairman of the Israel Space Agency: Israel in Space Programme (3503)

*Cultural Programme*

**Coffee Break**
Time: 10:30-11:00

**Plenary Session 1 – Geo Information Management**
Time: Tuesday 5 May 2009, 11:00-12:30
Venue: Big Blue Hall
Chair: Prof. Stig Enemark, FIG President

Mr. Lawrie E. Jordan III, Director, Imagery Enterprise Solutions, ESRI: Geo Information Management Perspectives for the Future (3504)

Dr. Vanessa Lawrence, CB, Director General and CEO, Ordnance Survey: The Role of a National Mapping Agency in Geoinformation Management (3505)

Dr. Haim Srebro, Director General, Survey of Israel Geospatial Information On-Line by the Survey of Israel (3506)
Lunch
Time: 12:30-14:00

TS 1A – Case Studies in Cadastre
Time: Tuesday, 5 May 2009, 14:00-15:30
Venue: Big Blue Hall 1
Commission: 7
Chair: Mr. Daniel Roberge, Chair Elect of Commission 7, Canada
Rapporteur: Mr. Habtemicael Weldegiorgis, Eritrea

Mr. Manohar Velpuri, India and Dr. Daniel Steudler, Switzerland:
Role of Land Administration in Sustainable Development – Country Case Studies of India
and Switzerland (3436)

Mr. Michael Klebanov, Dr. Yaron A. Felus, Mr. Yitzchak Fabrikant and Dr. Samuel Hodorov, Israel:
Establishment of Coordinate Based Cadastre in Negev Desert (3257)

Mr. Jad Jarroush, Israel:
Technical Aspects of Converting Analogical Cadastral System to Digital System - A Case Study in Israel (3245)

Dr. Murat Meha, Republic of Kosovo:
Cadastral Data and Land Administration in a Border Region (3368)
This paper has not been presented at the conference.

TS 1B – SDI in Support of Development
Time: Tuesday, 5 May 2009, 14:00-15:30
Venue: Big Blue Hall 2
Commission: 3
Chair: Prof. Yerach Doytsher, Israel
Rapporteur: Dr. Chryssy Potsiou, Chair of FIG Commission 3, Greece

Mr. Bas Kok, President of GSDI, the Netherlands:
Strategic Role of NMA's in SDI Development and Implementation (3488)

Dr. Chryssy Potsiou, Greece:
Formalizing Informal Development - Lessons Learnt from Eastern and Southern Europe (3472)

Ms. Silke Boos and Prof. Hartmut Müller, Germany:
SDI Developments in the World’s Currently Existing Mega Cities (3341)

Prof. Željko Bačić and Ms. Ljerka Rašić, Croatia:
Croatian SDI: A Tool for Accelerated Development of the Geo-conscious Society (3409)

Mr. Güler Yalçın, Mr. Bilal Erkek, Mr. Sedat Bakici and Mr. Nihat Şahin, Turkey:
Through Spatial Data Infrastructure in Turkey (3460)

TS 1C – CORS-RTK I
Time: Tuesday, 5 May 2009, 14:00-15:30
Venue: Tarshish A
Commission: 5
Chair: Dr. Neil Weston, USA
Rapporteur: Dr. Yakov Tuchin, Israel
Dr. Kim Soon-tae and Mr. Jang Bong-bae, Republic of Korea:
The Advanced Proposal for the Successful Cadastral Resurveying in South Korea (3200)

Ms. Einat Salmon, Israel:
The Permanent GNSS Network and Its RTK Application in Israel (3248)

Mr. Francis Mensah, Ghana:
The Use of RTK GPS in Blast Optimization (3253)

Prof. Željko Bačić, Mr. Marijan Marjanović, Mr. Marinko Bosiljevac, Croatia:
CROPOS - CROatian POsitioning System (3410)

**TS 1D – Environment and Land Use Planning**

Time: **Tuesday, 5 May 2009, 14:00-15:30**
Venue: Tarshish B
Commission: 8
Chair: Dr. Diane Dumashie, Chair of FIG Commission 8, United Kingdom
Rapporteur: Mr. Moshe Benhamu, Israel

Mr. Daniel Czamanski, Israel:
Urban Sprawl Will Save Ecosystems (3276)

Dr. Daniel Orenstein and Dr. Amnon Frenkel, Israel:
Growth Management Policies – An Assessment of Their Impact on Open Space. The Case of Israel’s Sharon Region (3440)

Dr. Chima Okoko Ogba and Dr. B. Pius Utang, Nigeria:
Air Pollution Climatology in Spatial Planning for Sustainable Development in the Niger Delta, Nigeria (3202)

Ms. Angela K. Etuonovbe, Nigeria:
The Devastating Effects of Environmental Degradation - A Case Study of the Niger Delta Region of Nigeria (3386)

**TS 1E – Valuer’s Profession and Real Estate Taxation**

Time: **Tuesday, 5 May 2009, 14:00-15:30**
Venue: Coral B
Commission: 9 and 1
Chair: Ms. Heidi Falkenbach, Finland
Rapporteur: Mr. Steven Nyström, USA

Dr. Johannes P. Tamtomo, Indonesia:
Land Valuer-Surveyor: Towards Acknowledged Professional and Comprehensive Land Valuer-Surveyor (3188)
*This is a peer review paper.*

Mr. Zeev Cohen, Israel:
The Appraiser's Role in Urban Subdivision and Land Consolidation (Reparcellation) in Israel (3267)

Mr. Dieter Kertscher, Germany:
Transparency with the Online-Real-Estate-Price-Calculator in Lower Saxony (3221)
Mr. **Shaul Weissman**, Israel:  
*This paper has not been presented at the conference.*

**TS 1F – Image Processing, Visualization and Mapping Systems**  
**Time:** Tuesday, 5 May 2009, 14:00-15:30  
**Venue:** Hotel room 308  
Commission: 6 and 5 in co-operation with the International Society for Photogrammetry and Remote Sensing (ISPRS)  
Chair: Dr. **Sagi Filin**, Israel  
Rapporteur: Dr. **Gethin W. Roberts**, United Kingdom

Mr. **Shalev Mor** and Dr. **Sagi Filin**, Israel:  
Analysis Imaging Configuration Effect on Surface Reconstruction of Complex Sites (3304)  
Mr. **Shahar Barnea**, Mr. **Ziv Shragai**, Mr. **Zion Suliman**, Mr. **Dor Yalon** and Mr. **Motti Shechter**, Israel:  
Mapping Remote Areas with a Portable High-Accuracy Photogrammetric System (3347)

Mr. **Shahaf Levin** and Dr. **Sagi Filin**, Israel:  
Documentation of Changes Supported by Close-range Surface-based Photogrammetry (3302)

Mr. **Michael Pechatnikov**, Mr. **Erez Shor** and Dr. **Yuri Raizman**, Israel:  
VisionMap A3 - The New Digital Aerial Survey and Mapping System (3421)

Mr. **Rani Hellermann**, Israel:  
Growing Demand for VHR Satellite Imagery for Civilian Use (3523)

Ms. **Nursu Tunalioğlu**, Dr. **Metin Soycan**, Mr. **Kutalmış Gümüş** and Mr. **Taylan Öcalan**, Turkey:  
Deriving Appropriate Digital Elevation Model (DEM) from Airborne LIDAR Data and Evaluating the Horizontal Highway Geometry for Transportation Planning (3469)  
*This paper has not been presented at the conference.*

**TS 1G – Directors General Forum – Session I**  
**Time:** Tuesday, 5 May 2009, 14:00-15:30  
**Venue:** Coral A  
Chair: Dr. **Haim Srebro**, Israel

Mr. **Xu Deming**, Vice Minister of Ministry of Land and Resources of P. R. China and Director General of State Bureau of Surveying and Mapping of China:  
Speech at Director Generals’ Forum of FIG Working Week 2009

Mr. **Austin P. C. Njepuome**, Surveyor General, Nigeria:  
Challenges of the National Geospatial Agency Regarding Accelerated Development in Nigeria

Dr. **Haim Srebro**, Director General, Survey of Israel:  
New Ideas Regarding the Directors General Forum

**Coffee Break**  
**Time:** 15.30-16:00
TS 2A – Land Tenure
Time: Tuesday, 5 May 2009, 16:00-17:30
Venue: Big Blue Hall 1
Commission: 7
Chair: Prof. Paul van der Molen, the Netherlands

Mr. Vuttinan Utesnan, Thailand:
The Reasonable Land Parcel Identification of Local Government in Thailand (3376)

Mr. Anthony Arko-Adjei, Prof. Jitske de Jong, Prof. Jaap Zevenbergen and Dr. Arbind Tuladhar, the Netherlands:
Customary Land Tenure Dynamics at Peri-urban Ghana: Implications for Land Administration System Modeling (3311)

Mr. Muhammad Bashar Nuhu, Nigeria:
Enhancing Land Titling and Registration in Nigeria (3247)

Dr. S. Hendriatiningsih, Mr. Andri Hernandi, Mr. Agus Budiartha, Mr. Kurdinanto Sarah and Mr. Rizqi Abdulharis, Indonesia:
Comparative Study of Customary and Formal Land Tenure System in Bali, Indonesia (3318)
This paper has not been presented at the conference.

TS 2B – Cadastral Information Management in Israel
Time: Tuesday, 5 May 2009, 16:00-17:30
Venue: Big Blue Hall 2
Commission: 3 and 7
Chair: Prof. Hartmut Müller, Germany
Rapporteur: Prof. Charalabos Ioannidis, Greece

Mr. Michael Klebanov and Prof. Yerach Doytsher, Israel:
Establishing an Accurate Continuous Nationwide Cadastre Based on the Cadastral Triangulation Method (3243)
This is a peer review paper.

Mr. Johanan Gavish and Ms. Ester Benin, Israel:
A GIS Based Cadastral Database at the Survey of Israel - Infrastructure for Future Modern, High Accuracy Cadastre (3254)

Mr. Eytan Gelbman and Prof. Yerach Doytsher, Israel:
Authentic Measurements as a Basis for a Cadastral GIS (3303)

Mr. Tzvika El-Az, Israel:
From CAD to GIS: Editing and Distributing Geographic Information from CAD Software (3173)
This paper has not been presented at the conference.

TS 2C – CORS-RTK II
Time: Tuesday, 5 May 2009, 16:00-17:30
Venue: Tarshish A
Commission: 5
Chair: Dr. Joseph Forrai, Israel
Rapporteur: Dr. Volker Schwieger, Germany
Dr. Sinisa Delcev, Dr. Vukan Ogrizovic, Ms. Violeta Vasilic and Dr. Jelena Gucevic, Serbia:
Accuracy Testing of RTK Service of the Permanent Station Network in the Republic of Serbia (3354)
This is a peer review paper.

Mr. Kim Joon-sik and Assoc. Prof. Kwon Jay-hyoun, Republic of Korea:
Development of RTK-GPS Field Quality Checking Module for Korean Cadastral Resurvey Project (3232)

Dr. Yakov Tuchin, Dr. Gilad Even-Tzur, Ms. Luba Kagansky, Ms. Marina Kozakov, Dr. Emanuel Polyak, Ms. Einat Salmon and Dr. Gershon Steinberg, Israel:
Re-measuring and Processing of the Israeli GNSS –Based 3rd Level Geodetic Control Network (3269)

Mr. Richard Gedon, Germany:
Quality Control and Quality Management of Failproof High Accuracy GNSS Positioning Services (3415)

TS 2D – People and Planning: Working to Save the Environment
Time: Tuesday, 5 May 2009, 16:00-17:30
Venue: Tarshish B
Commission: 8
Chair: Mr. Moshe Benhamu, Israel
Rapporteur: Dr. Diane Dumashie, Chair of FIG Commission 8, United Kingdom

Mr. Michael Doran, United Kingdom:
Competition for Land: Fuel versus Food (3379)

Prof. Theo Kötter, Germany:
Land Policy against Urban Sprawl in Germany (3439)

Mr. Wafula Nabutola, Kenya:
Urban Dynamics in Kenya: Towards Inclusive Cities (3465)

Dr. Diane Dumashie, United Kingdom:
Making Space for People and Water: Engaging the Public in Planning (3456)

Ms. Clara Kweka-Msale and Mr. Fredrick Magina, Tanzania:
Conflict Management in Rural Water Sources (3433)

TS 2E – Real Estate Market
Time: Tuesday, 5 May 2009, 16:00-17:30
Venue: Coral B
Commission: 9
Chair: Mr. Erez Cohen, President of the Israeli Society of Land Appraisals, Israel
Rapporteur: Mr. Dieter Kertscher, Germany

Ms. Joanna Klajn, Poland:
The Industrial Real Estate Market in Krakow (3204)

Mr. Risto Peltola, Finland:
Development Land Markets in Housing Market Context - Stylized Facts (3223)
Dr. **Mustapha Oyewole Bello** and Mr. **Amos O. Adewusi**, Nigeria:  
A Comparative Analysis of the Performance of Real Estate and Financial Assets as Security for Mortgage Lending in Nigeria (3323)  
*This paper has not been presented at the conference.*

Dr. **Anna Baranska**, Poland:  
The European Union and the Housing Market in Poland (3353)  
*This paper has not been presented at the conference.*

**TS 2F – Geodetic Networks and Data Analysis**  
**Time:** **Tuesday, 5 May 2009, 16:00-17:30**  
**Venue:** **Hotel room 308**  
Commission: 6 and 5  
Chair: Ms. **Einat Salmon**, Israel  
Rapporteur: Mr. **Jad Jarroush**, Israel  

Dr. **Gilad Even-Tzur**, Israel:  
Two-Steps Analysis of Movement of the Kfar-Hanassi Network (3382)  
*This is a peer review paper.*

Dr. **Haluk Ozener**, Dr. **Asli Dogru** and Mr. **Bulent Turgut**, Turkey:  
Present Deformation Field of Silent Strand of Western NAFZ (3351)

Mr. **Branko Milovanovic**, Serbia:  
Modeling of Engineering Structures Displacement by Using the Euler Method (3369)

**TS 2G – Directors General Forum – Session II**  
**Time:** **Tuesday, 5 May 2009, 16:00-17:30**  
**Venue:** **Coral A**  
Chair: Prof. **Stig Enemark**, FIG  

- by separate invitation only

**Wednesday, 6 May 2009**

**Plenary Session 2 – Emergency and Natural Resource Management**  
**Time:** **Wednesday, 6 May 2009, 09:00-10:30**  
**Venue:** **Big Blue Hall**  
Chair: Dr. **Haim Srebro**, Congress Director FIG 2009

Dr. **Avi Shapira**, Chairman of the Earthquake Preparedness Committee, Jerusalem and Ex-Director of the Geophysical Institute of Israel:  
On Earthquake Preparedness in Israel (3508)

Prof. **Orhan Altan**, President of ISPRS and Chair of the JB GIS Committee on Risk and Disaster Management:  
Role of Geospatial Professionals in Risk and Disaster Management and Preventing Natural Catastrophes (3509)

Prof. **Stig Enemark**, President of FIG, Denmark:  
Facing the Global Agenda – Focus on Land Governance (3512)

**Coffee Break**  
**Time:** **10:30-11:15**
TS 3A – New Challenges in Land Administration
Time: Wednesday, 6 May 2009, 11:15-12:45
Venue: Big Blue Hall 1
Commission: 7
Chair: Mr. Libor Tomandl, Czech Republic
Rapporteur: Mr. Moshe Benhamu, Israel

Dr. Haim Srebro, Israel:
A Status Report of the Activity of the Survey of Israel (3214)

Prof. Paul van der Molen, the Netherlands:
Cadasters and Climate Change (3377)
This is a peer review paper.

Mr. Tor Valstad, Norway:
How Is the Development in the World of Cadastre towards More than Two Dimensions? (3289)

Dr. Haim Srebro, Israel:
The Definition of the Israeli International Boundaries in the Vicinity of Eilat (3213)
This is a background paper for technical tour.

TS 3B – e-Government and Land Administration
Time: Wednesday, 6 May 2009, 11:15-12:45
Venue: Big Blue Hall 2
Commission: 7 and 3
Chair: Dr. Szabolcs Mihály, Hungary
Rapporteur: Dr. Daniel Steudler, Switzerland

Mr. Ori Gudes and Dr. Tan Yigitcanlar Australia, Mr. Yoav Tal and Mr. Yaakov Bar-Lavi, Israel:
Innovative Cartography Standards for Web-GIS Portals: Case Study of the ‘Survey of Israel’s’ Web-GIS Portal (3218)

Mr. Lee Young-Ho, Republic of Korea:
Strategy for Improving Cadastral Spatial Quality toward Effective e-Government based NSDI (3184)

Mr. Eytan Gelbman, Israel:
Analytical Cadastre Practical Aspects – Research Report (3315)

Prof. Haim Sandberg, Israel:
E-Land Conveyancing and Registration – Vision and Risks (3178)

TS 3C – GEOID-Modelling
Time: Wednesday, 6 May 2009, 11:15-12:45
Venue: Tarshish A
Commission: 5
Chair: Prof. Petr Vanicek, Canada
Rapporteur: Dr. Ron Adler, Israel

Dr. Petr Vanicek, Canada:
Why Do We Need a Proper Geoid (3259)
Dr. Gershon Steinberg and Dr. Yakov Tuchin, Israel: Two Years Experience with the Israeli Official Geoid Undulations Model (3201)

Mr. Hezi Sarid, Mr. Hsein Nasr Aldin and Dr. Dan Sharni, Israel: Improved Official Geoid Model for Israel, 2008 (3293)

Dr. İsmail Şanlioğlu, Mr. Süleyman Sirri Maras and Mr. Fatih Uysal, Turkey: Determination of Orthometric Heights with Real Time Kinematic Surveying, Konya Sample (3374)

**TS 3D – Planning, Finance and Urban Readjustment**

Time: **Wednesday, 6 May 2009, 11:15-12:45**

Venue: Tarshish B

Chair: Mr. Wafula Nabutola, Kenya

Rapporteur: Ms. Heidi Falkenbach, Finland

Dr. Michael Tophøj Sørensen and Mr. Finn Kjær Christensen, Denmark: Distribution of Costs and Profits in Danish Urban Development (3441)

*This is a peer review paper.*

Ms. Michelle Oren, Israel: The Right to Housing: An International Perspective (3490)

Dr. Joseph O. Olusina and Dr. James B. Olaleye, Nigeria: Spatial Planning and Updating of Transportation Infrastructure: A Recurrent Expenditure (3454)

*This paper has not been presented at the conference.*

Dr. Sevkiye Sence Turk, Turkey and Prof. Willem K. Korthals Altes, the Netherlands: Applicability of Land Readjustment Method in Urban Renewal: An Examination of Three Cases in Turkey (3263)

*This paper has not been presented at the conference.*

**TS 3E – Needs of Changing Society – New Skills, Competences in Surveying**

Time: **Wednesday, 6 May 2009, 11:15-12:45**

Venue: Coral A

Chair: Mr. Joseph Kraus, Israel

Rapporteur: Dr. Yaron Felus, Israel

Mr. Fausto Savoldi, Italy: The Changing Role of the Land Surveyor in Modern Society: The Tasks for the Young Professionals (3373)

Ms. Leonie Newnham, Australia: Accelerating Responses to a Changing World - Developing Innovative Cultures in Land Management Organisations (3334)

Mr. Remi Sharir, Israel: Is Surveying on a Fixed Rate Contract Possible? Our Experience (3240)

*This is a poster presentation.*
Mr. **Brian J. Coutts**, New Zealand:
Discipline Issues for Licensed Cadastral Surveyors in New Zealand (3332)
*This is a peer review paper.*

Dr. **Zagorka Gospavic**, Dr. **Branko Bozic** and Mr. **Olivera Vasovic**, Republic of Serbia:
Development of Market of Geodetic Services and Geodetic Companies in the Republic of Serbia (3195)
*This is a peer review paper.*

**TS 3F – Tectonic Processes, Landslides and Deformation Analysis**
**Time:** Wednesday, 6 May 2009, 11:15-12:45
**Venue:** Coral B
Commission: 6, 3 in co-operation with International Society for Mine Surveying (ISM)
Chair: Dr. **Volker Schwieger**, Germany
Rapporteur: Dr. **Gethin W. Roberts**, United Kingdom

Mr. **Stephan Burghaus**, Germany, Dr. **Rainer Bell**, Austria and Prof. **Heiner Kuhlmann**, Germany:
Improvement of a Terrestrial Network for Movement Analysis of a Complex Landslide (3274)

Dr. **Eleonora Bertacchini**, Mr. **Andrea Capitani**, Prof. **Alessandro Capra**, Dr. **Cristina Castagnetti**, Dr. **Alessandro Corsini**, Dr. **Marco Dubbini** and Mr. **Francesco Ronchetti**, Italy:
Integrated Surveying System for Landslide Monitoring, Valoria Landslide (Appennines of Modena, Italy) (3343)

Prof. **Alojz Kopáčik**, Mr. **Peter Kyrinovič** and Ms. **Anna Hostinová**, Slovakia:
Deformation Measurement of the City Tunnel Sitina in Bratislava (3514)

**TS 3G – Land Policy and Reform**
**Time:** Wednesday, 6 May 2009, 11:15-12:45
**Venue:** Hotel room 308
Commission: 7 and 8
Chair: Mr. **Daniel Roberge**, Canada
Rapporteur: Ms. **Aune Rummukainen**, Finland

Mr. **Ibrahim Usman Jibril**, Nigeria:
Squatter Resettlement/ Relocation Programme in Abuja, Nigeria and the Issue of Land Title Security (3268)

Mr. **Mwenda Makathimo**, Kenya:
The Role of Surveyors in the Kenya National Land Policy Formulation Process (3339)

Ms. **Naranchimeg Bagdai**, Mongolia, Prof. **Anne van der Veen**, Prof. **Paul van der Molen** and Dr. **Arbind Tuladhar**, the Netherlands:
Transparency as a Solution for Uncertainty in Land Privatization (A pilot study for Mongolia) (3345)
*This is a peer review paper.*

Mr. **Divankhan Ahadov**, Azerbaijan:
Land Reform in Azerbaijan (3176)
*This paper has not been presented at the conference.*
Mr. Jianpeng Chu, People’s Republic of China:
On Protecting Cultivated Land by Balancing Requisition and Compensation in China
(3476)
This paper has not been presented at the conference.

**TS 3H - Young Surveyors Network – How to Involve Students and Young Surveyors in the Work of FIG Member Associations**

*Time: Wednesday, 6 May 2009, 11:15-12:45*

*Venue: Hotel room 338*

*Commission: Young Surveyors Network*

*Chair: Ms. Cecilia Lindén, Chair of FIG Young Surveyors Network*

*Rapporteur: Mr. Cemal Özgur Kivilcim, Secretary of FIG Young Surveyors Network Turkey*

This session is organised to give examples and to discuss how national member associations involve students and young professionals in their work. Invited presentations include Henning Elmstrom, President of DdL, Denmark and Pierre Bibollet, President of OGE, France

**Commission Meetings – FIG Commission 9 WG 9.2 and WG9.3 Meeting**

*Time: Wednesday, 6 May 2009, 11:15-12:00*

*Venue: Hotel room 408*

*Commission: 9*

- Open meeting of Commission 9 Working Groups WG 9.2 - Improving Slum Conditions through Innovative Financing and WG 9.3 - Diagnostic Tools and Prescriptive Practices for The Valuation Profession

**Commission Meetings – FIG Commission 9 WG 9.4 and WG9.5 Meeting**

*Time: Wednesday, 6 May 2009, 12:00-12:45*

*Venue: Hotel room 408*

*Commission: 9*

- Open meeting of Commission 9 Working Groups WG 9.4 – Review of Valuation Methods and Standards Worldwide; and WG 9.5 – GIS-analyses in Real Estate Market Analyses and Valuation

**FIG Foundation Meeting**

*Time: Wednesday, 6 May 2009, 11:00-12:45*

*Venue: Hotel room 438*

*Commission: FIG Foundation*

- By invitation only

**Lunch**

*Time: 12:45-14:00*

**TS 4A – Institutional Matters and Development**

*Time: Wednesday, 6 May 2009, 14:00-15:30*

*Venue: Big Blue Hall 1*

*Commission: 7 and 1*

*Chair: Mr. Daniel Roberge, Chair Elect of FIG Commission 7, Canada*

*Rapporteur: Mr. Marc Vanderschueren, Belgium*
Mr. **Daniel Roberge**, Canada and Mr. **Bengt Kjellson**, Sweden:
What Have Americans Paid (and Maybe the Rest of the World) for Not Having a Public Property Rights Infrastructure? (3287)

Mr. **Iain Greenway**, United Kingdom:
The Whole Is Greater than the Sum of the Parts - Lessons from Joining up Mapping, Registration, Valuation and Rate Collection in Northern Ireland (3181)

Prof. **Francis Gäbele** and Mr. **Marc Vanderschueren**, Belgium:
The "Management Programs" and the Projects of the General Administration of the Patrimonial Documentation of Belgium (3222)

**TS 4B – SDI in Municipality and Natural Resources Management**
Time: **Wednesday, 6 May 2009, 14:00-15:30**
Venue: **Big Blue Hall 2**
Commission: 3
Chair: Dr. **Sagi Filin**, Israel
Rapporteur: Mr. **Michael Klebanov**, Israel

Dr. **Jayanta Kumar Ghosh** and Mr. **Devanjan Bhattacharya** and Dr. **Narendra Kumar Samadhiya**, India:
GEOWARNS: A System to Warn Geo-deformation Failure (3435)
This is a peer review paper.
This paper has received a grant from the FIG Foundation.

Mr. **Oluwagbenga O. I: Orimoogunje**, Mr. **Raphael O. Oyinloye** and Mr. **M. Soumah**, Nigeria:
Geospatial Mapping of Wetlands Potential in Ilesa, Southwestern Nigeria (3412)

Ms. **Izabela Śliż**, Poland:
Using of Geographic Information System’s Software for a Digital City Map Construction (3209)

Dr. **Alphonce Kyessi** and Ms. **Victoria Mwakalinga**, Tanzania:
GIS Application in Coordinating Solid Waste Collection: The Case of Sinza Neighbourhood in Kinondoni Municipality, Dar es Salaam City, Tanzania (3219)
This paper has not been presented at the conference.

**TS 4C – Geodetic Datum I**
Time: **Wednesday, 6 May 2009, 14:00-15:30**
Venue: **Tarshish A**
Commission: 5
Chair: Dr. **Gilad Even-Tzur**, Israel
Rapporteur: Dr. **Joseph Forrai**, Israel

Mr. **Nic Donnelly**, New Zealand:
Maintaining Accurate Coordinates for Geospatial Datasets after a Geodetic Datum Update (3320)

Mr. **Christian Manthe**, Mr. **Christian Clemen** and Prof. **Lothar Gründig**, Germany:
How to Define a Regional Arbitrary Geodetic Datum in Oracle Spatial (3427)

Dr. **Yaron Felus**, USA and Mr. **Moshe Felus**, Israel:
On Choosing the Right Coordinate Transformation Method (3313)
Dr. Bashkim Idrizi, the Former Yugoslav Republic of Macedonia, Ms. Fitore Bajrami and Mr. Milot Lubishtani, Kosovo: Projecting of Territory of the Republic of Kosova in Several Most Used State Map Projections (3350)
This paper has not been presented at the conference.

TS 4D – Property Investments, Brokerage and Prices
Time: Wednesday, 6 May 2009, 14:00-15:30
Venue: Tarshish B
Commission: 9
Chair: Mr. Steven Nystrom, USA
Rapporteur: Dr. Iyenemi Ibimina Kakulu, Nigeria

Ms. Heidi Falkenbach and Ms. Kaisa Laatikainen, Finland: Development of Brokerage for Commercial Premises in the Finnish Real Estate Markets (3298)
This is a peer review paper.

Dr. Danny Ben-Shahar, Dr. Yuval Arbel and Dr. Yossef Tobol, Israel: Estimating the Real Estate Price of Armed Conflicts (3210)

Mr. Antonio Benvenuti, Italy: The Value of Real Estate between Building and Land (3363)

Mr. Kobi Bier, Israel: Church Land in Jerusalem Ownership and Values (3283)
This paper has not been presented at the conference.

TS 4E – Coastal Zone Management
Time: Wednesday, 6 May 2009, 14:00-15:30
Venue: Coral A
Commission: 4 and 8
Chair: Mr. Andrew Leyzack, Chair of Commission 4, Canada
Rapporteur: Dr. John Hall, Israel

Dr. Michael Sutherland, Canada
Pro-poor Coastal Zone Management: FIG’s Position (3499)

Dr. Boris Shirman and Dr. Michael Rybakov, Israel: Sinkholes along the Dead Sea Coast and Their Development (3249)

Mr. Baruch Peretzman, Ms. Gili Kirschner and Mr. Moshe Rosenbloom, Israel: Measurement and Setting of Formal Coast Line (Mediterranean Sea) (3270)
Poster presentation.

Dr. Michael Sutherland and Dr. Susan Nichols, Canada: Developing a Prototype Marine Cadastre for Chedabucto Bay, Nova Scotia (3455)

Mr. Isaac Boateng, United Kingdom: Shoreline Management Planning along the Eastern Coast of Ghana: A Case Study of Keta (3463)
This paper will be presented by Dr. Diane Dumashie.
**TS 4F – Francophone Session 1 – Problématiques foncières en Afrique francophone (Land Administration in Francophone Africa)**

*Time:* **Wednesday, 6 May 2009, 14:00-15:30**

*Venue: Coral B*

Commission: 1 and 7 in co-operation with Fédération des Géomètres Francophones (FGF)

Chair: **Mr. Pierre Bibollet**, France

Rapporteur: **Ms. Bénédicte Fournier**, France

Mr. **Alain Gaudet**, France:

La procédure du « Titrement » au TOGO

Titling Procedures in Togo (3479)

Mr. **Eric Thalgott**, France:

La reforme fonciere a Madagascar

Modernization and Decentralization of Land Services in Madagascar (3483)

Mr. **Georges Ndjoli Bompe**, Congo D. R.:

La fiscalité du domaine foncier et immobilier en République Démocratique du Congo – Cas de la Ville de Kinshasa (3485)

Mr. **Mamadou Zoumana Camara**, Mali:

Roles, limites et responsabilites du Géomètre Expert dans la gestion domaniale et fonciere au Mali (3486)

Mr. **Samuel Nguema Ondo Obiang**, Gabon:

Problématique foncière au Gabon et nécessité de son ouverture vers l'extérieur (Land administration in Gabon and necessity of his aperture to the outside) (3484)

This paper has not been presented at the conference.

**TS 4G – Young Surveyors Network – Strategic Discussion on the Future of the Young Surveyors Network**

*Time:* **Wednesday, 6 May 2009, 14:00-15:30**

*Venue: Hotel room 338*

Commission: Young Surveyors Network

Chair: **Ms. Cecilia Lindén**, Chair of FIG Young Surveyors Network

Rapporteur: **Mr. Cemal Özgür Kivilcim**, Secretary of FIG Young Surveyors Network, Turkey

This session is planned to discuss the future of the Young Surveyors Network that will be formally established in Eilat.

**Meeting of the FIG Corporate Members**

*Time:* **Wednesday, 6 May 2009, 14:00-15:30**

*Venue: Hotel room 438*

- by invitation only

**Coffee Break**

*Time:* **15:30-16:00**
**TS 5A – Land Administration**

**Time:** Wednesday, 6 May 2009, 16:00-17:30  
**Venue:** Big Blue Hall 1  
**Commission:** 7 and 1  
**Chair:** Dr. **Ron Adler**, Israel  
**Rapporteur:** Ms. **Einat Salmon**, Israel

Mr. **Iain Greenway**, United Kingdom:  
Building Institutional and Organisational Capacity for Land Administration: An Update on the Work of the FIG Task Force (3180)

Prof. **Günter Nagel**, Germany:  
The Geoportal of Bavaria (Germany) - Development to 3D-Bavaria in Real Time (3385)

Dr. **Joseph Forrai** and Adv. **Gili Kirschner**, Israel:  
Operating Supervising Surveyors – Five-year Experience of an Unusual Governmental Enterprise (3174)

Mr. **Babu Ram Acharya**, Nepal:  
Necessity of Effective Land Management for Sustainable Real Estate Market in Nepal (3352)  
*This paper has not been presented at the conference.*

**TS 5B – Current Trends in SDI**

**Time:** Wednesday, 6 May 2009, 16:00-17:30  
**Venue:** Big Blue Hall 2  
**Commission:** 3  
**Chair:** Prof. **Yerach Doytsher**, Israel  
**Rapporteur:** Mr. **Sagi Dalyot**, Israel

Dr. **Stanislav Šumbera** and Mr. **Gideon Altman**, Israel:  
Government Collaboration and Public Distribution with Spatial Data Infrastructures (3516)

Prof. **Hartmut Müller** and Mr. **Stephan von St. Vith**, Germany  
SDI Implementation at the Local Administration Level of Germany (3494)

Mr. **Gábor Csornai**, Ms. **Erika Bognár**, Mr. **Gábor Mikus** and Mr. **Csaba Wirnhardt**, Hungary:  
Maintenance and Development of the Hungarian Land Parcel Identification System (LPIS-HU) for IACS (3443)  
*This paper will be presented by Mr. Szabolcs Mihály.*

Ms. **Jacqueleen Joubran Abu Daoud** and Prof. **Yerach Doytsher**, Israel:  
Near Real Time Automated Generalization for Mobile Devices (3317)

Mr. **Adil Enis Arslan**, Prof. **Dursun Zafer Şeker** and Mr. **Firat Ergun**, Turkey:  
3D Building Models and an Example for Use of Photorealistic Models in Geomatics (3462)  
*This paper has not been presented at the conference.*
TS 5C – Geodetic Datum II
Time: Wednesday, 6 May 2009, 16:00-17:30
Venue: Tarshish A
Commission: 5
Chair: Dr. Gershon Steinberg, Israel
Rapporteur: Dr. Yaron Felus, USA/Israel
Assoc. Prof. Hakan S. Kutoglu, Turkey:
Proper Choice of Data Used for the Estimation of Datum Transformation Parameters (3468)
Dr. Dan Sharni, Israel:
New Vertical Datum for the Dead Sea Works, Israel 2008 (3264)
Dr. Matthew N. Ono, Nigeria:
On Problems of Coordinates, Coordinate Systems and Transformation Parameters in Local Map Production, Updates and Revisions in Nigeria (3437)
This paper has not been presented at the conference.

TS 5D – Planning and Regulatory: Appropriate Frameworks
Time: Wednesday, 6 May 2009, 16:00-17:30
Venue: Tarshish B
Commission: 8
Chair: Prof. Theo Kötter, Germany
Rapporteur: Mr. Wafula Nabutola, Kenya
Ms. Iris Frankel-Cohen and Prof. Rachelle Alterman, Israel:
Planning Regulations and Their Exclusionary Effects (3199)
Dr. Amnon Frenkel and Ms. Ofra Yechiely, Israel:
Bridging the Gap between Vision and Reality: A Methodological Assessment Tool for Long-term Normative Planning Implementation (3237)
Mr. Enrico Rispoli, Italy:
Urban and Rural Land Use Planning and Implementation – Planning Policies and Management of Wine Towns (3366)

TS 5E – Valuation Models
Time: Wednesday, 6 May 2009, 16:00-17:30
Venue: Coral A
Commission: 9
Chair: Mr. Dieter Kertscher, Germany
Rapporteur: Dr. Zeev Cohen, Israel
Dr. Jarosław Bydłosz, Dr. Piotr Cichociński and Dr. Piotr Parzych, Poland:
The Estates’ Valuation Models in the Developing Markets (3229)
Mr. Yehoshua Avni, Israel:
Real Estate Valuation and GIS: Where, What, Why and How (3277)
Dr. Marek Kulczycki and Dr. Marcin Ligas, Poland:
Interpolation and 3D Visualization of Geodata (3338)
Mr. Doron Cohen, Israel:
The Use of GIS Technology for Real Estate Assessors (3281)
Mr. **Steven L. Nystrom**, USA:
Real Estate and Its Relation to the Financial Crisis (3450)

**TS 5F – Hydrographic Surveying in Practice**
Time: **Wednesday, 6 May 2009, 16:00-17:30**
Venue: **Hotel room 308**
Commission: 4
Chair: Dr. **Michael Sutherland**, Chair Elect of FIG Commission 4, Canada
Rapporteur: Mr. **Andrew Leyzack**, Chair of FIG Commission 4, Canada

Dr. **John K. Hall**, Mr. **Aharon-Ronnie Sade**, Dr. **Gideon Tibor**, Prof. **Zvi Ben-Avraham**, Israel, Dr. **Tina Niemi**, USA and Dr. **Abdallah Al-Zoubi**, Jordan:
New Insight into Bottom Morphology of the Northern Gulf of Eilat/Aqaba Mapped from Multi-beam Data (3335)

Mr. **Emmanuel Olayinka Ajayi** and Mr. **Sylvester Efe Owohjeta**, Nigeria:
Tidal Observation / Information of Olero Creek North Water Station and Flowstation Area (3391)

Dr. **Boris Shirman** and Mr. **Yossi Melzer**, Israel:
Long Term Monitoring of the Mediterranean and Red Sea Levels in Israel (3250)

Dr. **John K. Hall**, Mr. **Ronnie Sade**, Dr. **Gideon Tibor**, Mr. **Gideon Amit** and Mr. **Arik Golan**, Israel:
The Israel National Bathymetric Survey Almost Completed (3475)

**TS 5G – Francophone Session 2 – Pratique professionnelle**
Time: **Wednesday, 6 May 2009, 16:00-17:30**
Venue: **Coral B**
Commission: 7 in co-operation with Fédération des Géomètres Francophones (FGF)
Chair: Mr. **Alain Gaudet**, France
Rapporteur: Ms. **Bénédicte Fournier**, France

Mr. **François Mazuyer**, France:
Vers une harmonisation de la profession dans l’Union Européenne Towards the Harmonization of the Surveying Profession in the European Union (3478)

Mr. **Pierre Bibollet**, France:
L'agenda 21 de l’Ordre des Geometres-Experts
The Agenda 21 of the French Order of Licensed Surveyors (3480)

M. **Daniel Roberge**, Canada:
Compte rendu de la réunion annuelle de la Commission 7 et du Séminaire sur la gestion du territoire public, Vérone, Italie (3459)

Prof. **Francis Gäbele** and Mr. **Marc Vanderschueren**, Belgium:
Le Projet Belge des Plans de Géomètres joints aux Actes Déclaratifs ou Translatifs de Propriété
The Belgian Project of the "Private Surveyors Plans" joined to the Declarative or Transferring "Property Acts" (3457)

Mr. **Steponas Deveikis**, Lithuania:
Création des compétences professionnelles dans les organismes des Géomètres - un rôle et le développement des organisations professionnelles
Gala Dinner
Time: **Wednesday, 6 May 2009, departure from hotels at 19:45**
Venue: **King Solomon’s Pillars of Timna Park**
- The event will take place outdoors in a venue that is one of a kind; in the heart of the desert...at the base of the magnificent King Solomon's Pillars of Timna Park
- Included in registration fee (except for daily registrants and students)
- Dress code: It is recommended to bring a light sweater / jacket and refrain from shoes with high heels

**Thursday, 7 May 2009**

**Plenary Session 3 – GNSS, Geo-sciences and Surveying**
Time: **Thursday, 7 May 2009, 09:00-10:30**
Venue: **Big Blue Hall**
Chair: Mr. **Matthew Higgins**, FIG Vice President, Australia
Dr. **Ze’ev B. Begin**, Director of the Geological Survey of Israel and Ex-Minister of Science:
The Dead Sea Fault – Thousand Kilometres and 20 Million Years of Destructive Earthquakes (3507)
Dr. **Joseph Forrai**, Deputy Director General for Cadastre, Survey of Israel:
Permanent GPS Network-based Measurement Practice in Israel (3496)
Prof. Dr. Ing. **Rudolf Staiger**, University of Applied Sciences Bochum, Germany, Chair of FIG Commission 5:
Push the Button - or Does the Art of Measurement Still Exist? (3513)

**Coffee Break**
Time: **10:30-11:15**

**TS 6A – Standardization Aspects in Land Administration**
Time: **Thursday, 7 May 2009, 11:15-12:45**
Venue: **Big Blue Hall 1**
Commission: 7, 3 and 1
Chair: Dr. **Daniel Steudler**, Switzerland
Rapporteur: Ms. **Orit Marom**, Israel
Dr. **Szabolcs Mihály**, Mr. **Gyula Iván**, Mr. **Gábor Szabó** and Mr. **Zoltán Weninger**, Hungary:
Land Administration Standards and Their Implementation in Practice (3414)
Mr. **Christiaan Lemmen**, Dr. **Peter van Oosterom**, Dr. **Harry Uitermark**, the Netherlands, Dr. **Rod Thompson**, Australia and Mr. **João da Fonseca Hespanha de Oliveira**, Portugal:
Transforming the Land Administration Domain Model (LADM) into an ISO standard (ISO19152) (3282)
Ms. Anna Shnaidman, Mr. Uri Shoshani and Prof. Yerach Doytsher, Israel:
Improving the Graphical Cadastre Based on Genetic Algorithm Principles (3314)
*This is a peer review paper.*

Dr. Jarosław Bydgoszcz and Dr. Piotr Parzych, Poland:
The Cadastral Data and Standards Based on XML in Poland (3228)
*This paper has not been presented at the conference.*

**TS 6B – SIM Algorithms and Techniques**
**Time:** Thursday, 7 May 2009, 11:15-12:45
**Venue:** Big Blue Hall 2
**Commission:** 3
**Chair:** Mr. Robert W. Foster, USA
**Rapporteur:** Prof. Charalabos Ioannidis, Greece

Mr. Ronen Rybowski, Dr. Aaron Beller and Prof. Yerach Doytsher, Israel:
Mapping Linear Networks Based on Cellular Phone Tracking (3216)

Mr. Sagi Dalyot, Mr. Ariel Gershkovitch and Prof. Yerach Doytsher, Israel:
Novel Real-Time Coordinate Transformations based on N-Dimensional Geo-Registration Parameters' Matrices (3301)

Ms. Dimitra Vassilaki, Prof. Charalabos Ioannidis and Dr. Athanassios Stamos, Greece:
Multitemporal Data Registration through Global Matching of Networks of Free-form Curves (3464)
*This is a peer review paper.*

Ms. Izabela Śliż and Dr. Piotr Cichociński, Poland:
GML - A Real Standard? (3224)
*This paper has not been presented at the conference.*

**TS 6C – GPS for Engineering**
**Time:** Thursday, 7 May 2009, 11:15-12:45
**Venue:** Tarshish A
**Commission:** 5
**Chair:** Prof. Rudolf Staiger, Germany
**Rapporteur:** Dr. Yaron Felus, USA/Israel

Dr. Volker Schwieger, Germany:
Accurate High-Sensitivity GPS for Short Baselines (3349)
*This is a peer review paper.*

Dr. Neil Weston, Dr. Tom Soler and Dr. Gerald Mader, USA:
Rover Station Positional Accuracies from OPUS as a Function of Reference Station Spacing and Rover Station Occupation Time (3380)
*This is a peer review paper.*

Dr. Antti A. I. Lange, Finland:
Fast Kalman Processing of the GPS Carrier-Phases for Mobile Positioning and Atmospheric Tomography (3497)
TS 6D – Needs of Changing Society – New Skills, Competences in Surveying
Time: Thursday, 7 May 2009, 11:15-12:45
Venue: Tarshish B
Commission: 2 and 1
Chair: Dr. Gilad Even-Tzur, Israel
Rapporteur: Mr. Gert Steinkellner, Austria

Dr. S. Thomas Ng, Mr. Kelwin K. W. Wong and Mr. James M. W. Wong, Hong Kong SAR, China:
Future Directions of Construction Education to Meet the Challenges and Opportunities (3413)
This is a peer review paper.

Mr. Cemal Ö zgür Kivilcim, Ms. H. Ebru Colak, Turkey and Ms. Chris McAlister, Australia:
Evaluating Next Generation of Surveyors for the Sustainable World (3449)

Ms. Kate Fairlie (United Kingdom/Australia):
Navigating the Global Consciousness: A Young Surveyor’s Future (3489)

Mr. András Osskó, Hungary:
The Importance of Changes in Land Surveyors Education (3390)
This paper has not been presented at the conference.

TS 6E – Compulsory Purchase and Compensation and Planning
Time: Thursday, 7 May 2009, 11:15-12:45
Venue: Coral A
Commission: 9 and 8
Chair: Prof. Kauko Viitanen, Finland
Rapporteur: Ms. Heidi Falkenbach, Finland

Prof. Rachelle Alterman, Israel:
Planning, Property Values, and Property Rights: The Value Capture and Compensation Issues Revisited (3256)

Adv. Shahar Harari, Israel:
The Connection between Town Planning, Public Taking (Appropriation) and Land Appraisal (3403)

Ms. Nira Orni and Prof. Rachelle Alterman, Israel:
The Link between Planning and Expropriation (3474)

Mr. Søren Baumgarten and Mr. Klavs Petersen, Denmark:
How to Help Landowners by Preliminary Expropriation (3215)

Mr. Yehoshua Avni, Israel:
Real Estate Valuation in Jewish Tradition (3279)

TS 6F – Project Management Forum
Time: Thursday, 7 May 2009, 11:15-12:45
Venue: Hotel room 308
Commission: 10
Chair: Mr. Richard Hucker, MBE, Chairman, Commission 10 WG 10.3, United Kingdom
Rapporteur: Mr. Andrew W. Morley, Chair of Commission 10, United Kingdom
Forum to be led by the Chairman of WG 10.3 Mr. Richard Hucker MBE, as a continuation and development of the very successful sessions in Hong Kong and Stockholm, to discuss the lessons of successful and unsuccessful projects; probably to include a short 'break out' session of three/four groups.

Case Studies on Cadastre – A Review of Cadastre Well Done and Problems Adopting New Digital Layouts to Old Cadastral Maps

**TS 6G – Cadastre in the World**

*Time: Thursday, 7 May 2009, 11:15-12:45*

*Venue: Coral B*

*Commission: 7*

*Chair: Mr. Daniel Roberge, Canada*

*Rapporteur: Ms. Carmela Szancer, Israel*

Mr. Melkamu Belachew Moges, Ethiopia:
Growing Initiatives toward the Improvement of Cadastre in Urban Amhara: Potentials, Prospects, Challenges (3197)

Mr. Marcos Pelegrina and Dr. Lia Pastos, Brazil:
Proposal for the Urban Real Estate Property Tax Management Diagnosis in Brazil (3183)

Mr. Habtemicael Weldegiorgis, Eritrea:
The Cadastral System in Eritrea: Practice, Constraints, and Prospects (3198)

This is a peer review paper.

This paper has received a grant from the FIG Foundation.

Mr. Samwel S. Katambi, Tanzania:
Development of the New Cadastral Survey System in Tanzania (3310)

This paper has not presented at the conference.

**Lunch**

*Time: 12:45-14:00*

**TS 7A – Settlements Facing Man Made Changes**

*Time: Thursday, 7 May 2009, 14:00-15:30*

*Venue: Big Blue Hall 1*

*Commission: 7 and 8*

*Chair: Dr. Diane Dumashie, Chair of FIG Commission 8, United Kingdom*

*Rapporteur: Mr. Wafula Nabutola, Kenya*

Dr. Michael Barry, Canada:
Dysfunctional Communal Property Associations in South Africa: The Elandskloof Case (3295)

Ms. Lani Roux and Dr. Michael Barry, Canada and Dr. Jennifer Whittal, South Africa:
Analytical Methodologies to Guide Interventions in Informal Settlements (3300)

Ms. Orit Shwarts, Israel:
Restoration and Reconstruction of the Circassian Village Kfar-Kama (3316)

Mr. Wafula Nabutola, Kenya:
Post Election Violence and Its Impact on Informal Settlements in Kenya, Especially Nairobi’s Maasai Village (3466)
Dr. Mustapha Oyewole Bello, Nigeria:
Squatter Settlement, Accessibility to Land and the Urban Poor (3326)
This paper has not been presented at the conference.

TS 7C – Engineering Structure Measurement and Data Processing
Time: Thursday, 7 May 2009, 14:00-15:30
Venue: Tarshish A
Commission: 6
Chair: Prof. Alojz Kopacik, Chair of FIG Commission 6, Slovakia
Rapporteur: Dr. Gethin W. Roberts, United Kingdom

Dr. Théo Engel and Mr. Jürg Kaufmann, Switzerland:
Railway Coordinates: State of the Art and a Tremendous ongoing Potential (3381)

Dr. Gethin Roberts, Mr. Chris Brown and Dr. Oluropo Ogundipe, United Kingdom:
The Use of GNSS to Monitor the Deflections of a Motorway Viaduct (3291)

Mr. Ronen Grinstein, Israel:
Planning a Geodetic Monitoring System for the Metropolitan Tel-Aviv Light Rail Train Red Line Project (3255)

Dr. Gethin Roberts, Dr. Oluropo Ogundipe, Mr. Craig Hancock, Mr. Ahmad Taha and Mr. Jean-Philippe Montillet, United Kingdom:
Positioning Buried Pipes and Cables in Urban Canyons Using an Integrated GNSS Approach (3515)

TS 7D – Good Educational Practices
Time: Thursday, 7 May 2009, 14:00-15:30
Venue: Big Blue Hall 2
Commission: 2
Chair: Prof. Bela Markus, Chair of FIG Commission 2, Hungary
Rapporteur: Dr. Steven Frank, Chair Elect of FIG Commission 2, USA

Mr. Steve Y. W. Lam, Hong Kong SAR, China:
Outcome-Based Approach to Teaching, Learning and Assessment in Geomatics Higher Education: the Hong Kong Experience (3461)

Dr. Lidia Niculita, Dr. Iolanda Colda and Ms. Steluta Nastasa, Romania:
Informatics Management Systems for Quality Management Improvement in Higher Education and Scientific Research (3306)
This is a peer review paper.

Dr. Steven Frank, USA:
Assessment of Learning Outcomes (3510)

Mr. Barry Grinker, Israel:
Development of Hydrographic Education in Israel (3193)

TS 7E – Compulsory Purchase and Compensation and Valuation in Real Estate Development
Time: Thursday, 7 May 2009, 14:00-15:30
Venue: Coral A
Commission: 9
Chair: Prof. Rachelle Alterman, Israel
Rapporteur: Mr. Steven Nystrom, USA
Mrs. **Iyenemi Ibimina Kakulu**, Nigeria, Prof. **Peter Byrne**, United Kingdom, and Prof. **Kauko Viitanen**, Finland:
Phenomenological Research in Compulsory Land Acquisition and Compensation (3448)
*This is a peer review paper.*

Prof. **Kauko Viitanen**, Chair of FIG Commission 9, Finland:
Recommendations for Good Practice in Compulsory Purchase and Compensation – FIG WG 9.1 – Compulsory Purchase and Compensations in Land Acquisition and Takings

Ms. **Nechama Bogin**, Israel:
Expropriation in Israel (3280)

Mr. **Muhammad Bashar Nuhu** and Mr. **A. U. Aliyu**, Nigeria:
Compulsory Acquisition of Communal Land and Compensation Issues: The Case of Minna Metropolis – Nigeria (3383)

Mr. **Jianpeng Chu**, China P. R.:
Land Expropriation Compensation Based on the Price of Land Use Right Granting (3426)
*This paper has not been presented at the conference.*

**TS 7F - Planning and Development**
Time: **Thursday, 7 May 2009, 14:00-15:30**
Venue: **Hotel room 308**
Commission: 10
Chair: Mr. **K. H. Chan**, Hong Kong SAR, China
Rapporteur: Mr. **Kenny Chan**, Hong Kong SAR, China

Mr. **Andrew Morley**, United Kingdom:
The 'Credit Crunch' and PFI/PPP Financing of Infrastructure and Development Projects (3416)

Mr. **Steve Jackson**, United Kingdom:
Collaborative Working - Best Value or Blank Cheque? (3501)

Mr. **Richard A. Hucker**, MBE, United Kingdom:
Accelerated Development – “The Need for Planning” (3429)

Ms. **Leonie Newnham**, Australia:
Sustainability as an Innovation Driver for Project Management (3502)

**TS 7G – Development of 3D Cadastre**
Time: **Thursday, 7 May 2009, 14:00-15:30**
Venue: **Coral B**
Commission: 7 and 3
Chair: Adv. Ms. **Gili Kirschner**, Israel
Rapporteur: Ms. **Orit Marom**, Israel

Adv. **Alisa Caine**, Israel:
Spatial Rights Legislation in Israel – A 3D Approach (3177)

Ms. **Nurit Peres** and Mr. **Moshe Benhamu**, Israel:
3D Cadastre – Geometry, Topology and Other Technical Considerations (3242)
Mr. **Bruno Razza**, Italy:
Division Plan for Jointly Owned Flat Block (Condominium) – Tri-dimensional Registration of a Building (3365)

Prof. **Vanco Gjorgjieva** and Mr. **Gjorgji Gjorgjiev**, Former Yugoslav Republic of Macedonia:
Registration of 3D Situations in R. Macedonia, Problems and Needs (3430)
*This paper has not been presented at the conference.*

**Coffee Break**
Time: **15:30-16:00**

**TS 8A – Software Application in Land Administration**
Time: **Thursday, 7 May 2009, 16:00-17:30**
Venue: **Big Blue Hall 1**
Commission: 7
Chair: Dr. **Gershon Steinberg**, Israel
Rapporteur: Mr. **Dan Sharir**, Israel

Mr. **Eytan Gelbman**, Israel:
A Cadastral Data Processing Toolbox (3327)

Dr. **Daniel Steudler**, Switzerland:
Open Source Software for Cadastre and Land Registration – A Viable Alternative? (3336)

Mr. **Geoff Hay** and Dr. **Brent Hall**, New Zealand:
Architecture for an Open Source Semantic Spatio-Temporal Land Administration Application (3260)
*This is a peer review paper.*

Mr. **Volkmar Herbst** and Mr. **Michael Wagner**, Germany:
Presentation of a Software Application (Cadastre Toolbox) for Land Management and Administration Purposes Based on Free/Libre Open Source Software (FLOSS) (3328)
*This is a peer review paper.*

**TS 8B – SIM in Planning and Development**
Time: **Thursday, 7 May 2009, 16:00-17:30**
Venue: **Big Blue Hall 2**
Commission: 3 and 8
Chair: Dr. **Chryssy Potsiou**, Chair of FIG Commission 3, Greece
Rapporteur: Mr. **Gerasimos Apostolatos**, Greece

Mr. **Jean-Philippe Lestang**, France:
MSDI Project for Bangalore, India (3393)

Mr. **Chima Ogba**, Dr. **Inah Okon** and Mr. **Marcus Idoko**, Nigeria:
Application of Geographic Information System (GIS) towards Flood Management in Calabar, Nigeria (3285)

Dr. **James Bolarinwa Olaleye**, Mr. **Oludayo Emmanuel Abiodun** and Ms. **Queen Iboke**, Nigeria:
Landuse Change Detection and Analysis Using Remotely Sensed Data in Lekki Peninsula Area of Lagos, Nigeria (3493)
*This paper has not been presented at the conference.*
**TS 8C – Instruments and Calibration**  
Time: Thursday, 7 May 2009, 16:00-17:30  
Venue: Tarshish A  
Commission: 5  
Chair: Mr. Mikael Lilje, Sweden  
Rapporteur: Dr. Neil Weston, USA

Prof. Andreas Eichhorn, Germany, Dr. Johannes Fabiankowitsch and Daniel Nindl, Austria:  
Deformation Analysis of Tripods under Static and Dynamic Loads (3208)

Mr. Jad Jarroush, Mr. Bishara Khell and Mr. Marwan Zeibak, Israel:  
A New Methodology for an Automatic Evaluation Procedure of Cadastral GNSS Measurements According to the Surveyors’ Regulations Instruction (3337)

Team KILI2008, Portugal, Tanzania, Kenya, the Netherlands, USA and Egypt:  
Precise Determination of the Orthometric Height of Mt. Kilimanjaro (3438)  
*This paper will be presented by Mr. Jorge Santos, Portugal.*

**TS 8D – Life-long Learning – Educational and Training Services**  
Time: Thursday, 7 May 2009, 16:00-17:30  
Venue: Tarshish B  
Commission: 2  
Chair: Dr. Steven Frank, Chair Elect, FIG Commission 2, USA

Mr. Steve Y. W. Lam, Hong Kong SAR, China:  
Marketing of Geomatics Higher Education: the Hong Kong Experience (3432)  
*This is a peer review paper.*

Dr. Bela Markus, Hungary and Ir. Liza Groenendijk, The Netherlands:  
e-Learning in Surveying (3511)

Dr. Branko Božić, Dr. Jelena Gucevic and Mr. Stevan Marosan, Republic of Serbia:  
Professional Education of Surveyors in Serbia (3192)  
*This paper has not been presented at the conference.*

Mr. Jason Musyoka, Ms. Carol Matiko, Ms. Evangeline Wanyama, Ms. Hilda Kiritu, Mr. Paul Omondi and Mr. Moses Odhiambo, Kenya:  
Learning Management: Challenges and Opportunities in Fixed Assets Disciplines in Low Income Countries: The Kenyan Case (3186)  
*This paper has not been presented at the conference.*

**TS 8E – Terrestrial Laser Scanning, Visualization and LIDAR**  
Time: Thursday, 7 May 2009, 16:00-17:30  
Venue: Coral A  
Commission: Joint Commission 6 and 5  
Chair: Prof. Rudolf Staiger, Germany  
Rapporteur: Dr. Volker Schwieger, Germany

Prof. Thomas Kersten, Prof. Harald Sternberg and Mr. Klaus Mechelke, Germany:  
Geometrical Building Inspection by Terrestrial Laser Scanning (3275)  
*This is a peer review paper.*
Dr. **Valerie Ussyshkin**, Canada:  
Mobile Laser Scanning Technology for Surveying Application: From Data Collection to End-Products (3521)

Prof. **Vladimir Seredovich**, Mr. **Alexander Seredovich** and Mr. **Alexander Komissarov**, Russian Federation:  
Experiences with Terrestrial Laser Scanning in Russia (3236)

Ms. **Natalja Liba** and Ms. **Ina Jarve**, Estonia:  
Making Orthophotomosaic about Tartu City with PHOTOMOD Program and Its Geometrical Quality (3425)  
*Poster presentation*

Ms. **Reem Zeibak** and Dr. **Sagi Filin**, Israel:  
Object Extraction from Terrestrial Laser Scanning Data (3312)  
*This paper has not been presented in the conference.*

**TS 8F – Land Administration and Cadastre**  
**Time:** Thursday, 7 May 2009, 16:00-17:30  
**Venue:** Coral B  
**Commission:** 7  
**Chair:** Mr. **Muhammad Bashar Nuhu**, Nigeria  
**Rapporteur:** Dr. **Joseph Forrai**, Israel

Mr. **Yoav Coller**, Israel:  
Israel Land Administration (ILA) (3321)

Mr. **Gil Vaknin**, Israel:  
Technology in Mapping and Managing Land at the Israeli Land Administration (3419)

Mr. **Jonahan Gavish**, Ms. **Larisa Woznesensky** and Dr. **Joseph Forrai**, Israel:  
SHALOM – Management of Cadastre: Preliminary Results of Applications and Future Plans (3244)

Ms. **Aune Rummukainen**, Finland:  
Contents of Finnish Cadastral System (3251)

Ms. **Oksana Sukhova**, Ukraine:  
Multipurpose Approaches to Making Advanced Ukrainian Cadastral System (3305)  
*This paper has not been presented at the conference.*

**TS 8G – Cost and Facilities Management**  
**Time:** Thursday, 7 May 2009, 16:00-17:30  
**Venue:** Hotel room 308  
**Commission:** 10  
**Chair:** Mr. **Andrew W Morley**, Chair of Commission 10, United Kingdom  
**Rapporteur:** Mr. **Steve Jackson**, United Kingdom

Mr. **Kenny Chan**, Hong Kong, SAR China:  
Effective Cost Management of Building Services in Hong Kong – Managing Sustainability and Costing in Air-Conditioning (3207)
Ms. Sara J. Wilkinson, Dr. Kimberley James and Prof. Richard Reed, Australia: Accelerated Development and Sustainability: The Retrofit of Green Roofs in City Centres (3500)
This paper will be presented by Andrew Morley.

Mr. K. H. Chan, Hong Kong SAR, China: Mitigation of Environmental Degradation through Improving Air Quality (3238)

Commission Meetings – FIG Commission 9 WG 9.1
Time: Thursday, 7 May 2009, 16:00-17:00
Venue: Hotel room 338
Commission: 9
- Open meeting of Commission 9 Working Group WG 9.1 - Compulsory Purchase and Compensations in Land Acquisition and Takings

FIG Foundation Dinner
Time: Thursday, 7 May 2009, 20:00-
Venue: Shato Restaurant, Kings City (within walking distance from Dan Eilat)
- Separate registration required
- Dress code: smart casual

Friday, 8 May 2009

Presidents’ Meeting
Time: Friday, 8 May 2009, 09:00-11:00
Venue: Tarshish A
- for Presidents of Member Associations
- by invitation only

Coffee Break
Time: Friday, 8 May 2009, 11:00-11:30

General Assembly – Second Session
Time: Friday, 8 May 2009, 11:30-12:30
Venue: Big Blue Hall
- for FIG members
- open for observers

Closing Ceremony
Time: Friday, 8 May 2009, 12:30-13.30
Venue: Big Blue Hall
Moderator: Dr. Joseph Forrai, Deputy Director General, Survey of Israel
- Report on the Working Week 2009, Dr. Haim Srebro, Congress Director
- Closing Address and Summary of the Working Week, Prof. Stig Enemark, FIG President
- Appreciation to FIG WW 2009 Organising Committee, Prof. Stig Enemark, FIG President
- Closing Address, Mr. Joseph Kraus, Chair of the Local Organising Committee and ALSI President
- FIG Fanfare
- Closing of the Working Week 2009