

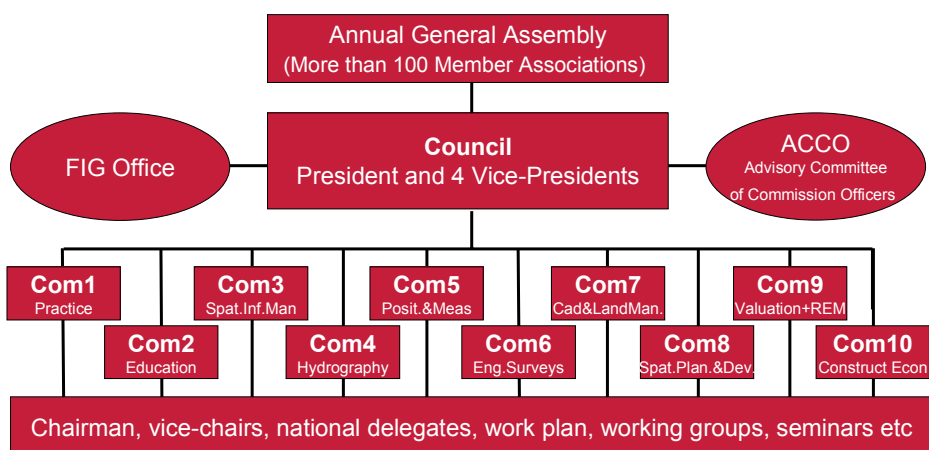


# The Work of the Commissions 2007 to 2010

Presentation to FIG General Assembly  
FIG Working Week Hong Kong May 2007



## Organizational Structure





## Advisory Committee of Commission Officers (ACCO)

- The Advisory Committee of Commission Officers (ACCO) meets 2 or 3 times per year to ensure coordination among the Commissions;
- Commission Work Plans are pursued in parallel to the Council Work Plan and often involve Working Groups on specific topics;
- Commissions also play a major role in the development of the Technical Programmes at FIG Events;
- A current major activity is the investigation of a process to give authors of FIG Conference Papers an option of Peer Review.



## The Commission Work Plans for 2007 to 2010

- Chair: **Yaacoub Saade** (Lebanon)
- **1.1 – Standards Network**  
Iain Greenway (United Kingdom)
- **1.2 – Students and Young Professionals** (Joint with Com 2)  
Cecilia Lindén (Sweden)
- **1.3 – Surveyors Changing Role in Society**,  
Leonie Newnham (Australia), John Parker (Australia)

- Capability of Development: Effective operation of surveying practices, management, professional structures;
- Change of Technology: Managing processes and infrastructure;
- Improving Surveyors' Reputation: Supporting the dialogue between politicians and surveyors to strengthen our role in economy and politics;
- Under represented groups: To focus attention on under represented groups and improve their representation;
- Highlight one issue... New Working Group on Students and Young Professionals, to encourage the next generation who will carry our profession into the future.

- Chair: **Bela Markus** (Hungary)
- **2.1 Curriculum Development**  
Prof Bela Markus (Hungary)
- **2.2 e-Learning**  
Liza Groenendijk, (Netherlands)
- **2.3 Educational Management and Marketing**  
Gert Steinkellner (Austria)
- **2.4 Real Estate Valuation and Management Education** (Joint with Com 9)  
Prof. Arvo Vitikainen (Finland), Prof. Kauko Viitanen (Finland),

- **Problems and Responses:**
  - fast changes in measurement technology and in information technology, organisational changes: e-Governance, e-Business etc, half-life of knowledge is becoming shorter
    - **Curriculum Development**
  - from ex.-cathedra teaching to knowledge management, information technology in education and learning, CPD in small companies
    - **e-Learning**
  - decreasing number of potential students, weakness in marketing, awareness building
    - **Educational Management and Marketing**
  - surveyors are not well educated on real estate issues
    - **Real Estate Valuation and Management**

## Com 3 – Spatial Information Management

- Chair: **Dr Chryssy A Potsiou** (Greece)
- **3.1 e-Government and e-Citizen**  
Kari Strande, (Norway);
- **3.2 Spatial Data Infrastructure**  
Paul Kelly, (Australia) and Prof. Dr.-Ing. Hartmut Mueller, (Germany)
- **3.3 Multi Dimensional Aspects in Spatial Information Management**  
Prof. Dr. Sc. Miodrag Roic, (Croatia)

## Com 3 – Spatial Information Management

- Rapid urbanization, unplanned/informal development, transportation, environmental protection & land use regulations & restrictions, cultural heritage issues, coastal zone activity management, risk assessment & disaster management, real estate market needs, etc.
- Delegates are welcome to be involved in providing the appropriate tools and methods to enable good management of our Cities.
- Publication: **Spatial Information for Managing Mega Cities**
- 28-31 March 2007, **Spatial Information Management toward Legalizing Informal Urban Development**
- 18-21 February 2008, **Spatial Information toward Environmental Management of Mega Cities**

- Chair: **Andrew Leyzack** (Canada)
- **4.1 Hydrographic Surveying in Practice**  
John McCarthy (Australia)
- **4.2 Standards and Guidelines**  
Andrew Leyzack (Canada)
- **4.3 Administering Marine Spaces**  
Michael Sutherland, (Canada)
- **4.4 The Economic Benefits of Hydrography**  
Gordon Johnston (United Kingdom)

- Climate Change, Sea Level Rise and a new awareness of Tsunami danger are highlighting the need for improved Administration of Marine Spaces, especially in densely populated coastal zones;
- Com 4 will therefore increase efforts to promote the Economic Benefits of Hydrographic Information and the role of Hydrographers in responding to these issues;
- We also need well trained Hydrographers, so Com 4 will continue to assist IHO in Capacity Building through work such as the Standards of Competence for Hydrographic Surveyors and Nautical Cartographers.

- Chair: **Rudolf Staiger** (Germany)
- **5.1 Standards, Quality Assurance and Calibration**  
David Martin (France)
- **5.2 Reference Frame in Practice**  
Mikael Lilje (Sweden)
- **5.3 Integrated Positioning, Navigation and Mapping Systems**  
Andrew Hunter and Naser El-Sheimy (Canada)
- **5.4 Global Navigation Satellite Systems (GNSS)**  
Volker Schwieger (Germany)

- Promotion of modern measurement technology and associated infrastructure, in particular for Global Navigation Satellite Systems, Terrestrial Laser Scanning and Location Based Positioning Services, through:
  - Providing technical assistance - Papers, Recommendations, Guidelines, Technical Forums;
  - Influencing Technical Development & Standards (ISO-Committee);
  - Engaging all Communities - Academics, Manufacturers (Hardware and Software) and “Every-day-users”;
  - Enhancing Cooperation with Sister Organizations like International Association of Geodesy, Institute of Navigation.

- **Chair: Alojz Kopáčik** (Slovakia)
- **6.1 Deformation Measurement and Analysis**  
Stathis Stiros (Greece), Vice-Chair: Cecilia Whitaker (USA)
- **6.2 Engineering Surveys for Industry and Research**  
Thomas Wunderlich (Germany), Vice-Chair: Peter Kyrinovic (Slovakia)
- **6.3 Engineering Survey Data Bases and Facility Management**  
Lothar Gründig (Germany), Vice-Chair: Vladimir Seredovich (Russia)
- **6.4 Engineering Surveys for Construction Works and Structural Engineering**  
Gethin Wyn Roberts (United Kingdom), Vice-Chair: Joël Van Cranenbroeck (Switzerland)
- **6.5 Terrestrial Laser Scanners**  
(Joint with Com 5) Maria Tsakiri (Greece) Vice-Chair: Rudolf Staiger (Germany)

- Deformation Monitoring, Analysis and Interpretation using Continuum Mechanics, Monitoring and Analysis of Crustal Deformations.
- Optimal Use of Interferometric Synthetic Aperture Radar (InSAR), Terrestrial-Based RF Positioning Technologies.
- Methods and equipment of terrestrial laser scanning for engineering surveying procedures.
- Analysis of Cyclic Deformations and Structural Vibrations, Monitoring of dynamic loaded structures.
- Application of automatic measuring systems for machine guidance, setting-out and measurement of deformations.
- Support of multidisciplinary expertise and co-operation, which lead to integrated survey methods and systems.
- Co-operation with other professional organisations (IAG, ISM, ISPRS, ....).



## Com 7 – Cadastre and Land Management

- Chair: **András Osskó** (Hungary)
- **7.1 Development of Pro Poor Land Management and Land Administration**  
Christiaan Lemmen (The Netherlands)
- **7.2 Land Administration to Support Sustainable Development**  
Søren Christensen (Denmark)
- **7.3 Application of Innovative Technology in Land Administration**  
Daniel Steudler (Switzerland)

## Com 7 – Cadastre and Land Management

- Development of pro-poor land management approaches contribution to the UN Habitat Global Land Tool Network
- Identify and find solutions for assisting post conflict areas, disaster areas, etc. in rebuilding and maintain land administration after war and catastrophe of nature
- Continue the data modelling activities (cadastral core data model)
- As a joint Commission Activity, participate in the work on "Improving Slum Conditions through Innovative Financing"
- Contribution to Stockholm WW special technical session
- Encourage National Associations to nominate new, active Commission 7 delegates

- Chair: **Simon Adcock** (Australia)
- **8.1 Planning Strategy for Urban Development and Regeneration**  
Dr. Lillian S.C. Pun, (Hong Kong SAR, China)
- **8.2 Informal Settlements Issues in Spatial Development Planning and Governance**  
Dr. Diane Dumashie (United Kingdom)
- **8.3 Re-engineering of Mega Cities**  
Ms. Ioana Manaolache (Romania)
- **8.4 Urban Planning in Coastal Regions**  
Isaac Boateng (United Kingdom)
- **8.5 Land Use Planning and Implementation**  
Dr Maria Ulfvarson-Ostlund (Sweden)

- ***The Need: 50% of Humans live in Urban Habitats***
- Physical planning establishes the ground rules for environmentally sustainable development (ESD);
- Surveyors have a key professional role for application and implementation of planning and development for community living;
- Informal settlement issues in spatial development planning and related governances is a corner stone of humanity and urban communities;
- Partnerships and process for regeneration and re-engineering of mega cities are both significant, key roles for the surveying industry to solve problems; and
- Global warming/global climate change introduces a series of new issues for urban planning particularly in coastal regions.

## Com 9 – Valuation and the Management of Real Estate

- Chair: **Kauko Viitanen** (Finland)
- **9.1 – Compulsory Purchase and Compensations in Land Acquisition and Takings** Prof. Kauko Viitanen (Finland), Prof. Thomas Kalbro (Sweden), Henning Elmstrøm (Denmark), Paul Munro-Faure (FAO)
- **9.2 – Improving Slum Conditions through Innovative Financing** Bengt Kjellson (Sweden), Ann Jennervik (Sweden).
- **9.3 – Diagnostic Tools and Prescriptive Practices for The Valuation Profession** Steven Nystrom (USA)
- **9.4 – Review of Valuation Methods and Standards Worldwide** David Smejkal (Czech Republic)
- **9.5 – GIS as a Tool in Real Estate Market Analysis and Valuation** Henning Elmstrøm (Denmark), Mr. Steven Nystrom (USA), Dieter Kertscher (Germany), Tassos Labropoulos (Greece)

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## Com 9 – Valuation and the Management of Real Estate

- Real estate markets are expanding and globalizing rapidly;
- There is a strongly growing need for uniform practices in real estate economics;
- Standards, information and guidance for best practices together with harmonisation are required;
- We also need people with good knowledge of different systems around the world;
- Surveyors are strongly involved in the international and local real estate markets thanks to the education of surveyors that gives a very good basis to real estate in many countries;
- Commission 9 takes care that the knowledge of surveyors will cover the whole field of real estate economics;
- In so doing we make a positive contribution to the global and national economies and to the living conditions and quality of life people over the whole globe.

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## Com 10 - Construction Economics

- Chair: **Andrew Morley** (United Kingdom)
- **10.1 Construction Economics**  
Ms. Sara J Wilkinson (Australia)
- **10.2 Commercial Management**  
Acting Chair Mr. Geoff K. Schmitt (UK)
- **10.3 Project and Programme Management**  
Mr. Richard A Hucker, MBE (United Kingdom),  
Vice-chair: Ms. Leonie Newnham (Australia)

## Inter-Commission Activities

- Groups with Meetings or Sessions this week:
  - Student and Young Professionals Group (Coms 1 and 2)
  - Improving Slum Conditions through Innovative Financing (Coms 9,3,7 and 8)
  - Terrestrial Laser Scanning (Coms 5 and 6)
  - Vertical Reference Frame for Hydrography (Coms 4 and 5)
  - Coastal Zone and Environmental Issues (Coms 8 and 4)
  - Compulsory Purchase and Compensations in Land Acquisition and Takings (Coms 9, 7 and 8)
  - GIS as a Tool in Real Estate Market Analysis and Valuation (Coms 9 and 3)
  - 3D Cadastre (Coms 7 and 3)
  - Standards and Educations Issues (Across all Commissions)
- More Inter-Commission Activities in coming years.

## Questions/Discussion on the Work of the Commissions?

## Commissions and Member Associations

- The Commissions contribute the specialist knowledge required to address the big issues;
- The Commissions also have a wealth of knowledge about the “hot topics” in their field;
- Member Associations should tap into that wealth of knowledge through strong participation by their National Delegates in the work of Commissions.



## How can we achieve more active participation in the Work of the Commissions?



## Approval of Commission Work Plans

- Motion to Adopt the Commission Work Plans for 2007 to 2010