





FIG Commission 2 Education

Chair: Ir. Liza Groenendijk, University of Twente, The Netherlands













FIG WORKING WEEK 17–21 MAY SOFIA BULGARIA

Commission 2 - Who we are

WG 2.1 Educating the surveyor of tomorrow Chair: Dr.-Ing. Fahria Masum, Technical University Munich

WG 2.2 Innovative teaching and learning Chair: Dr. Audrey Martin, Dublin Institute of Technology

WG 2.3 Demand for and supply of professional education Chair: Dr. Nadezda Kamynina, MIIGAIK

WG 2.4 Accreditation and quality assurance Chair: Prof. Alias Abdul Rahman, UTM











What I hope to achieve over the 4 year term

- 1. An active and sustainable commission Active members, Young Surveyors, Communication
- 2. Professional education worldwide Workshops in Nepal, Kenya; European FIG learning platform
- 3. Towards educating the surveyor of tomorrow Defining the challenges Publication on land administration in the surveying curriculum
- Vocational surveying education as part of FIG Discussion and technical sessions











FIG WORKING WEE

What we aim to achieve in 2015

- FIG Commission 2 Workshop in Nepal, Kathmandu on 25-27 November 2015: Strengthening Education for Land Professionals and Opportunities for SDI Development
- Active working groups













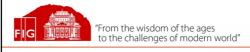


FIG WORKING WEEK

FIG Commission 3 – Spatial Information Management

Administration: Vice Chair: Maria Grazia Scorza, Italy

Working Group 3.1 - SIM Infrastructure

- Chair: Hartmut Mueller, Germany

Working Group 3.2 – Technical Aspects of SIM

- Chair: Ioannidis Charalabos, Greece

Working Group 3.3 – 3D Cadaster (Joint WG Commission 7)

- Chair: Peter Van Oosterom, The Netherlands

Working Group 3.4 – Crowdsourcing & VGI supporting SDI

- Chair: Sagi Daylot, Israel













"From the wisdom of the ages to the challenges of modern world"

FIG WORKING WEE 17-21 MAY SOFIA BULGARIA

What I hope to achieve over the 4 years term:

- to address the phenomena of CROWDSOURCING and **VOLUNTEERED GEOGRAPHIC INFORMATION**;
- to follow the **MANAGEMENT** of the **ENVIRONMENT**:
- to assist GOOD GOVERNANCE;
- to address the research of the methods for the SUSTAINABLE **DEVELOPMENT:**
- to address the research for the **REUSE OF THE BUILT**;
- to study and monitor the territory for the DEFENSE from NATURAL PHENOMENA;
- to study and monitor the territory for the PREVENTION from HYDROLOGICAL DISASTERS and from EARTHQUAKES;
- to participate in the organization of INTERNATIONAL SUMMERSCHOOLS for YOUNG SURVEYORS with the cooperation of the YOUNG SURVEYORS NETWORK.

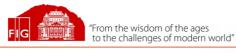












Areas of focus in this year 2015/2016:

- Crowdsourcing is a widespread method of reference for SIM. The question of whether the crowdsourcing can be a compression of the market of certified data or not is one of the elements of interest of the Commission to be monitored. For the reason above, Commission 3 has chosen as topic for it's next annual meeting "The National Mapping Agencies Perspective and the Crowdsourcing versus Regulated Procedures: The Role of Citizen and Experts Sensing in Geographic Information Production".
- Focus on the development of Cadaster 3D;
- Planning the next FIG Commission 3 Annual Meeting and Workshop on Crowdsourcing in Malta in November 2015 together with Commission 7.







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FIG Commission 3 Looks forward to your participation

Chair: Enrico Rispoli, Italy













Commission 4- Hydrography Officers 2015-2018









- Chair: Angela Etuonovbe (Nigeria)
- Working Group 4.1 Peter Barr(Australia)
- Working Group 4.2 Dr. Jonathan Li (Canada)
- Working Group 4.3 Gordon Johnston, MRICS (UK)











"From the wisdom of the ages to the challenges of modern world"

FIG Commission 4 Looking Forward

- Supports Young Surveyors Network seeks to improve the participation of young professionals in FIG activities, in particular, to increase co-operation between the commissions and young surveying professionals including students.
 - **Maximizing stakeholder relationships (MOUs):**
 - FIG-International Hydrographic Organisation
 - FIG-International Federation of Hydrographic Societies
 - FIG-World Bank
- The further promotion of the work of FIG, IHO and Hydrography shall be continued through articles, presentations and papers.





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What I hope to achieve over the 4 year Term / Working Groups

Vice-Chair of Administration: Li Zhang, Germany

WG 5.1: Standards, Quality Assurance and Calibration (David Martin, France)

WG 5.2: 3D Reference Frames (Nic Donnelly, New Zealand)

WG 5.3: Vertical Reference Frames (Kevin Kelly, USA / Dan Roman, USA)

WG 5.4: GNSS (Neil D: Weston, USA / Suelynn Choy, Australia)

WG 5.5: Multi-Sensor-Systems (Allison Kealy, Australia / Guenther Retscher, Austria / Joint with IAG /Com. 6)

WG 5.6: Cost Effective Positioning (Leonid A. Lipatnikov, Russia)













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FIG WORKING WEE

Co-operations

- United Nations Office for Outer Space Affairs (UNOOSA) and ICG (International Committee on GNSS).
- UN-GGIM Global Special Information Management
- International Association of Geodesy (IAG) (Memorandum of Understanding available)
- International Society for Photogrammetry and Remote Sensing (ISPRS)
- International Standard Organizations, especially ISO.











Areas of Focus in this Year

- Technical seminar on Vertical Reference Systems at **Singapore, 27-28 July 2015**
- Developing guidelines for cost-effective use and design of survey solutions including costs for labour and investment
- Evaluation of UAV capabilities and the increasing role of multi-sensor systems in UAV navigation















Commission 6 Engineering Surveys

Chair: Ivo Milev

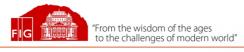
Vice chairs: Desislava Staikova, Vladimir Seredovich, Rémy Boudon, Joel van Cranenbroeck, Wolfgang Niemeier













Working groups

WG 6.1 Deformation Monitoring and Analysis (W. Niemeier)

WG 6.2 Eengineering surveys for design, constructive works and exploitation of buildings and communication infrastructures (Joel van Cranenbroeck)

WG 6.3 Sensor fusion, data acquisition and processing techniques for moving measuring complexes

(Vladimir Seredovich)

WG 6.4 Wide Area Engineering Surveys for Monitoring, Features **Determination and Environmental Management** (Rémy Boudon)













"From the wisdom of the ages to the challenges of modern world"



What I hope to achieve over the 4 year Term

- Dynamic Monitoring of Buildings and Structures during and after construction
- Get the offshore and high-rise construction surveys as state of the art and get the requirements for this in the standards
- Definition of more productive workflow for the engineering infrastructure inventory and rehabilitation based on 3D mobile data acquisition and processing
- Combination of the 'Smart technology solutions' with the objectives of the engineering surveying for optimization the processes of train and automobile control system, and traffic management











Areas of Focus in this Year

- 2015/2016
- The 3rd International Symposium on Deformation Monitoring (JISDM) will take place in Vienna from 30th March-1st April 2016, organised by the Department of Geodesy and Geoinformatics of Vienna Technical University. http://www.jisdm2016.org/.





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General Assembly FIG Commission 7

Cadastre & Land Management

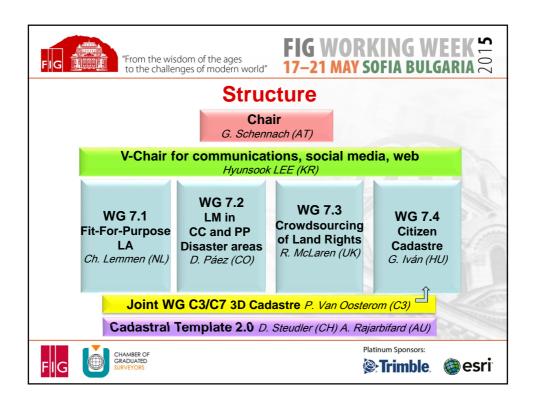
Chair: Gerda SCHENNACH (AT) Vice-chair Hyunsook LEE (KR) Vice-chair Chrit LEMMEN (NL) / Vice-chair Daniel PAEZ (CO) Vice-chair Robin McLAREN (UK) / Vice-chair Gyula IVÁN (HU)

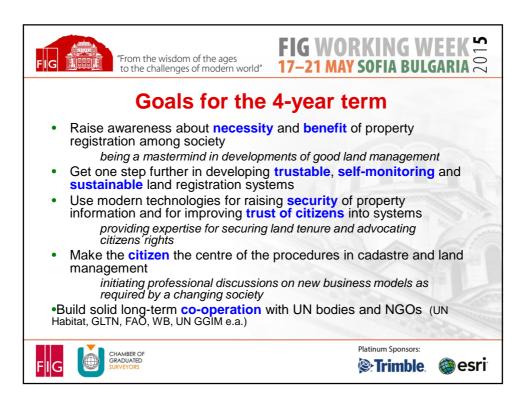














Areas of focus in 2015/2016

- encourage delegates from as many as possible member associations to get actively involved
- implementing new technologies into the agenda of Commission 7
 - Crowdsourcing of land rights
 - > Fit-for-Purpose models for developing cadastre and infrastructures
 - > Land information as tool for pre- and post-disaster management
 - Qualification of professionals and training of stakeholders as partners

Workshop Com3/Com7 on Crowdsourcing in Malta – Oct/Nov 2015 Workshop Com2/Com7/ISPRS on Professional Qualification and Training in Nepal - Nov 2015

Development of Cadastral Template 2.0 towards a more global information tool





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FIG Commission 8 Spatial Planning and Development

Planning for Humanities Needs

Chair: Kwame Tenadu













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Working Group 8.1 - Disaster recovery, risk management and resilience planning - Chair: Phil Rhodes NZ

Working Group 8.2 – Stewardship for water, land and forest as primary resources for development - Chairs: L.Bruce Keith UK, Yvonne Sowah, Ghana

Working Group 8.3 – Human settlement policies and implementation - Chair; Peter Laarrakker

Working Group 8.4 - Resilient Urban Development: Dr. Frank Friesecke, Germany

Working Group 8.5 – Rural development and land governance: Chairs: Rosy Liao Rong, China & Dr.-Ing. Michael Klaus, (Germany)

















