



FIG Working Week
– Bridging the Gap Between Cultures
Marrakech, Morocco
May 18-22 2011

FIG Working Week 2011

Marrakech, Morocco, 18-22 May 2011

Call for Papers

Dear Friend and Colleague,

It is our privilege and honour to invite you to the **FIG Working Week 2011** in **Marrakech, Morocco** to be held **from 18th to 22nd May 2011**. The FIG Working Week will be organised under the patronage of His Majesty King Mohamed VI of Morocco.

The overall theme of the Working Week is “**Bridging the Gap between Cultures**”. The theme addresses the changes in current world and the importance of cultures and understanding the differences in different parts of the world including professional development, traditions and legislation at the same time when the world is more harmonised with common standards and global markets. These issues face also the surveying profession in all its fields. Marrakech and Morocco as cross roads of cultures for centuries is a perfect venue to focus on this topic. The Working Week will bring surveyors and land professionals from all over the world together to meet while specific focus will be given to the Arabic countries and the Francophone Africa.

The opening ceremony and three plenary sessions will address key issues of the surveying profession including latest development in surveying technology, land administration and land tenure, geospatial information, urbanisation and sustainable cities and their relations to cultural and regional diversity. On Friday morning the plenary session will at the same time be the General Assembly of ONIGT addressing key issues in Morocco such as environment and sustainable development. This session offers a showcase of Moroccan and international experiences for all Working Week participants.

The technical programme will include a broad professional and scientific programme with eight slots each offering from 8 up to 10 parallel sessions and workshops. With flash presentations the programme offers more than 400 presentations in a three-day technical programme.

The technical programme will offer specially invited high profile presentations and papers that are selected through the open call for papers procedure. The Call for Papers is open for both peer review and non-peer review submissions. FIG Working Week 2011 will gather international practitioners and academics from all disciplines within the surveying, geospatial, natural and built environment professions (land surveying, land administration and management, land and real property appraisals, spatial sciences, spatial planning and development, positioning and measurement, engineering surveying, hydrography, environmental and green building and cost, construction and project management). FIG 2011 will be the major FIG conference in 2011 and the first Working Week organised by the new FIG Council and Commissions as part of the FIG work plan for 2011-2014.

FIG Working Week 2011 is the main event in 2011 for all ten FIG technical commissions. Therefore proposals for papers are requested in all topics of interest of the following commissions:

1. Professional Standards and Practice
2. Professional Education
3. Spatial Information Management
4. Hydrography
5. Positioning and Measurement
6. Engineering Surveys
7. Cadastre and Land Management
8. Spatial Planning and Development
9. Valuation and the Management of Real Estate
10. Construction Economics and Management; and

History of Surveying and Measurement (Permanent Institution of FIG).

Specific topics of FIG Working Week 2011

In the open call for papers non-peer review and peer review papers are invited from following **detailed topics**.

Commission 1 – Professional Standards and Practice

- Development of professional qualifications, standards and review systems
- Professional services to the public and the marketing of the profession
- Young professionals (sessions organised by Young Surveyors Network)
- Global labour market and mutual recognition of qualifications
- Changing role of the surveyor, innovation and new ways of working
- Professional ethics as a way to succeed in business
- Institutional development and legislative issues
- Profession and market economies
- Liberalisation of the professional market

Commission 2 – Professional Education

- Attracting new generations and students to surveying programmes
- Innovation in surveying curricula
- International knowledge exchange
- e-Learning - content development methods, tools, student support
- Life-long learning - educational and training services
- Quality assurance in education and training
- Good educational practices
- Networking in education and training
- Capacity building

Commission 3 – Spatial Information Management (SIM)

- Spatial Data Infrastructure (SDI) at all levels – local, regional, national and global
- SDI components – technology, policy, standards, and users
- e-Governance and SDI in supporting decision making – theory, applications and best practice

- Integration of spatial data – cadastre, land use, real estate, utilities, environment, socio-economic information, etc.
- 3D/4D geospatial models, algorithms, standards and applications
- Geo-sensor networks and SDI
- Business models, public-private partnerships and economic aspects of SDI
- SIM meeting challenges – natural and environmental risk prevention and disaster management, waste management, etc.
- SDI interoperability aspects – standards, technical tools, metadata, portals and clearinghouses
- SDI – control and quality assurance processes
- Web and mobile GIS – challenges, services and real-time capabilities
- 2D/3D geospatial visualisation
- 4D geospatial visualization – algorithms and models in support of natural environment processes

Commission 4 - Hydrography

- Hydrographic surveying in practice
- Administering marine spaces
- Data collection, sea level monitoring and climate change
- Multi sensor systems in hydrography
- Ellipsoidal hydrographic surveying
- Vertical link between different height measurements and height systems
- Monitoring and mapping of the coast and coastal zone management
- Standards and guidelines
- Hydrography enabling world issues (socioeconomic/environmental issues, benefits, gaps and links etc.)

Commission 5 – Positioning and Measurement

- Geodetic and positioning measurement – infrastructure, methodology, adjustment and analysis
- Standards, best practice guidelines, quality assurance and calibration for survey (including geodetic) measuring instruments
- National or geospatial reference systems and associated infrastructure
- Reference systems, frames and datums in practice
- GNSS CORS RTK networks and infrastructure - the impact of these networks, their operations and applications
- AFREF – the African Reference Frame Project
- Geodetic observing systems - the role in global / regional issues and climate change
- Terrestrial and airborne laserscanning
- Cost-effective surveying (GNSS and other survey methods)
- Ubiquitous positioning techniques and applications -such as RFID, WiFi, AGPS, mobile phones, MEMS inertial sensors, Locata
- Kinematic measurements – including GNSS and Multi Sensors Systems
- GNSS modernisation and its effect on surveying
- Geoids and gravity - modelling, measurements and applications
- eGeodesy
- GGOS (Global Geodetic Observing System))

Commission 6 – Engineering Surveys

- Deformation measurement
- Engineering surveys in managing natural disasters
- Engineering survey case studies
- Precise height measurements for engineering
- Recent industrial surveying and sensing technologies and applications
- Laser scanning applications
- Machine control and guidance with surveying technologies
- Surveying technologies for sustainable rural and urban development
- Positioning of buried utilities

Commission 7 – Cadastre and Land Management

- Land policy and reform
- Land administration to support sustainable development
- Applications of innovative technology in land administration
- Development of pro poor land management and land administration
- Low cost surveying and mapping
- Customary and group land rights
- 3D and 4D cadastre
- Establishment of international borders
- Marine cadastre
- State land management
- Land administration in post conflict and post natural disaster areas
- Innovative cadastre and land rights management

Commission 8 – Spatial Planning and Development

- Bridging the urban and rural divide
- Urban and rural land use planning
- Planning policies and environmental improvement
- Informal settlement issues in spatial development, planning and governance
- Planning and managing urbanisation
- Regional and local structure planning
- Disaster risk management
- Public-private partnerships in planning and land development

Commission 9 – Valuation and the Management of Real Estate

- Real estate valuation
- Valuation methods for properties where no markets exist for them
- Land and property taxation
- Valuation profession and valuation standards
- GIS in real estate valuation
- Real estate finances and investments
- Real estate management
- Compulsory purchase and compensations in land acquisition and takings
- Real property practises and sustainable cities

Commission 10 – Construction Economics and Management

- Construction economics
- Commercial management
- Project and programme management
- Innovative house building and mass customisation in housing
- Construction technologies, methodologies and liveable cities
- Sustainable housing, “green building” programmes and indexes
- Improving conditions in Informal settlement with innovative construction methodologies
- Large size construction management support by surveyors
- Encouraging green management in projects
- Green contracts and procurement
- Whole life cycle assessment
- Best practices – practical examples and results of the projects

History of Surveying and Measurement

- History of surveying and measurement
- Historical Maps
- Historical (and heroic) surveys in Africa and elsewhere

Submission of Proposals

This **Call for Papers** is announced both for **peer review papers** and **non-peer review papers**. Detailed information and **important dates** are shown below.

Non-Peer Review – Submission of Abstracts

We invite you to submit an abstract for the FIG Working Week 2011 by **15 December 2010** (extended deadline). The abstract shall not exceed 250 to 500 words in length describing the objectives, results, conclusions and significance of your work. The abstract shall include the names and affiliations of all authors. Please feel free to submit an abstract on any topic related to the specific topics of FIG 2010.

If you prefer you can also submit your paper for flash presentation. The flash presentations will be included in the technical programme and full paper will be published in the proceedings. The time given for flash presentations will be shorter than for normal presentation. This is the concept that was successfully used at FIG congress in 2010.

All abstracts shall be submitted **online** to FIG on the following web site:

<http://www.fig.net/abstractdb/submit.asp?id=13>. Please mark “*This abstract is submitted for non-peer review*” or “*This abstract is submitted for flash presentation*”

Extended deadline for submitting the abstract is **15 December 2010**. For other important deadlines see **important dates**.

If you have problems with the online submission, the abstract can also be submitted in electronic format to:

International Federation of Surveyors

Kalvebod Brygge 31-33

DK-1780 Copenhagen V, DENMARK

Tel + 45 3886 1081

Fax + 45 3886 0252

by email: louise.friis-hansen@fig.net

Paper submission and questions on technical program:

Web site: www.fig.net/fig2011 and www.onigt.ma/fig2011

Please include at the end of your abstract all your contact details, including name, address, phone and fax numbers and email. Please also include on your abstract whether you have a preference for a normal or for flash presentation. Receipt of your abstract will be acknowledged electronically.

When submitting a paper the author(s) agree that FIG has the right to publish the paper in the conference proceedings (at the conference and on the FIG web site); in the FIG Surveyors Reference Library; and in the FIG online journal (if selected for this purpose) without any further agreement or compensation. The copyright of the paper remains by the author(s).

The number of abstracts is limited to **a maximum of two per author**.

Peer Review – Submission of Full Papers

Deadline for submission of paper for peer review process has passed and no further proposals can be accepted.

Further information

For any information see the conference web site: www.fig.net/fig2011 and in French and Arabic at www.onigt.ma/fig2011. All abstracts and papers have to be submitted in English. In part of the sessions translation between English, French and Arabic will be provided.

The online registration opens in December 2010.

Any inquiries on call for papers, abstracts, peer review process and technical programme, please contact the FIG Office (Email: louise.friis-hansen@fig.net or markku.villikka@fig.net, tel +45 3886 1081; fax +45 3886 0252).

We look forward to meeting you in Marrakech in May 2011.

Yours sincerely,

Aziz Hilali
President, ONIGT
Congress Director



Markku Villikka
FIG Director
Co-Congress Director

Important dates

Deadlines for submitting abstracts, papers and registration are:

Non Peer Reviewed Papers		Peer Reviewed Papers	
15 December 2010		22 November 2010	
	Deadline for authors to submit non peer reviewed abstracts .		Deadline for authors to submit full papers for peer review.
19 January 2011		14 January 2010	
	Confirmation to authors of acceptance of non peer reviewed abstracts . First draft of the technical programme will be published on the web.		First notification to authors of acceptance to authors of peer reviewed papers. For accepted papers, authors will also be notified of any modifications required by the reviewers. Authors of papers not accepted for peer review will be offered to convert the paper to the non peer review process.
		31 January 2011	
			Deadline for authors to submit revised full paper for 2nd round of peer review (depending on proposed corrections from reviewers).
		10 February 2011	
			Second notification to authors of acceptance of peer reviewed papers with the possibility of further modifications from the 2nd round of peer review.
All Papers (peer reviewed and non peer reviewed)			
10 February 2011			
	Technical programme published on the conference web site.		
16 February 2011			
	Early bird registration closes Deadline for all authors to register.		
16 March 2011			
	Deadline for all authors to submit Full Papers .		
6 April 2011			
	Deadline for normal registration.		
18-22 May 2011			
	FIG Working Week 2011		