



Call for Papers to The XXIV FIG International Congress 2010

Dear Friend and Colleague,

It is our privilege and honour to invite you to the **XXIV FIG International Congress 2010**, in **Sydney, Australia** to be held **from 11th to 16th April 2010**.

The overall theme of FIG 2010 is “**Facing the Challenges – Building the Capacity**”. The theme is particularly relevant to today’s world. We are now faced with a global economic crisis of immense proportions, and living in a world undergoing dramatic climate change whose consequences unknown and, thus far, unpredictable. Never before has the need to Face the Challenge - the challenge to share ideas and resources; to cooperate between nations, between generations and between disciplines – been more urgent. The four plenary sessions address the key issues from climate change, disaster risk management and good land governance to spatially enabled society and technological futures such as positioning infrastructures and information mobility. The technical programme will include a broad professional and scientific programme with 10 slots each offering from 8 up to 10 parallel sessions and workshops. With 4 poster session slots over four days will offer up to 600 presentations.

The carefully prepared technical programme will offer both specially invited high profile presentations and papers that are selected through the open call for papers procedure. For the first time at an FIG Congress the Call for Papers is open for both peer review and non-peer review submissions. FIG 2010 will gather international professionals and academics from the many disciplines of land professionals (land surveying, land and real estate appraisal, GIS, spatial planning, positioning and measurement, environmental awareness, engineering surveying and project management). FIG 2010 will be the major FIG Congress summarising the results of FIG activities from FIG, its Council, commissions and working groups from the period 2007-2010.

FIG 2010 is the main event for all ten FIG technical commissions. Therefore proposals for papers are requested in all topics of interest of the following commissions:

**Paper submission and questions on technical program:
FIG Office**

Markku Villikka, Director
Kalvebod Brygge 31-33
DK-1780 Copenhagen
Denmark
Tel. +45 38 86 10 81; Fax +45 38 86 02 52
E-mail: fig@fig.net
Web: <http://www.fig.net>

**General information on FIG 2010 and registrations:
FIG2010 Congress Managers**

GPO Box 128
Sydney NSW 2001
Australia
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Web: www.fig2010.com

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 2010

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
- New professional standards
- Professional services to public
- Students and young professionals
- The Surveyor's changing role in society
- Development of legislation

Commission 2 – Professional Education

- International knowledge exchange
- Diversity in surveying curricula
- Needs of changing society - new skills, competences in surveying
- The future of young surveyors and students
- Surveying curricula developments
- Life-long learning - educational and training services
- e-Learning - content development methods, tools, student support
- Quality assurance in education and training
- Good educational practices
- Experiences in recruitment and marketing
- ALUMNI and the use of their power
- Networking in education and training

Commission 3 – Spatial Information Management

- Developing awareness and capacity building in SIM
- Educational and research aspects in SIM
- SIM policies
- e-governance and SDI in supporting decision making

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- SDI at national and international levels and interregional cooperation
- Economic aspects of SDI
- Public-private partnerships in SDI
- 3D/4D applications of SDI
- Visualisation and seamless information management
- Metadata development, portals and clearinghouses
- Technical and legal standards
- Web-GIS and services
- SIM in housing management and spatial development
- SIM and management of mega-cities
- SIM in utility networks and transportation
- SIM in marine environment and seamless coastal and marine data management
- SIM in disaster mitigation and environmental impact assessment

Commission 4 - Hydrography

- Hydrographic surveying in practice
- Standards and guidelines
- Administering marine spaces
- Capacity building and the economic benefits of hydrography
- Tidal monitoring with GPS technology
- Tying the hydrographic datums together with orthometric data
- Monitoring and mapping coast lines

Commission 5 – Positioning and Measurement

- Surveying technologies for sustainable land development and capacity building
- Standards, quality assurance and calibration for geodetic and surveying instruments
- Geospatial reference system infrastructure and reference frames in practice
- GNSS CORS RTK networks - the impact of these networks and their applications
- Positioning infrastructure
- Geodetic observing systems and their role in global issues
- Heighting with GNSS and other measurement techniques
- Geoid modelling
- Network adjustments and algorithms
- Terrestrial and airborne laserscanning
- Geodetic measurement and positioning methodology
- Cost-effective surveying (GNSS and other survey methods)
- Integrated positioning, navigation and mobile mapping systems
- New positioning techniques and applications such as RFID, WiFi, AGPS, mobile phones
- Positioning and measurement for remote sensing and imagery
- GNSS modernisation
- Case studies and best practice on the above

Note – Commission 5 will endeavour to hold interactive discussion forums on the above

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Commission 6 – Engineering Surveys

- Deformation measurement
- Engineering surveys to handle natural disasters
- Engineering survey case studies
- Actual needs of accuracy of orthometric height differences for engineering
- Recent industrial surveying and sensing technologies and applications
- Laser scanning applications
- Machine control and guidance

Commission 7 – Cadastre and Land Management

- Development of pro poor land management and land administration
- Land administration to support sustainable development
- Application of innovative technology in land administration
- 2D and 3D coordinate-based cadastre
- Establishment of international borders
- Marine and coastal zone cadastre
- Land policy and reform
- Development of sustainable land administration
- Customary and group land rights
- Land administration in post conflict areas
- Low cost surveying and mapping
- Open source software in cadastre

Commission 8 – Spatial Planning and Development

- Achieving environmental planning and development
- Strategies for environmental sustainable development
- Small island developing states community issues
- Regional and local structure planning
- Urban and rural land use planning and implementation
- Planning policies and environmental improvement
- Coastal and Inland disaster risk and management
- Public-private partnerships
- Informal settlement issues in spatial development, planning and governance
- Re-engineering mega cities

Commission 9 – Valuation and the Management of Real Estate

- Compulsory purchase and compensations in land acquisition and takings
- Real estate valuation
- Statutory valuation
- Valuation profession and valuation standards
- GIS in real estate valuation
- Real estate investments
- Real estate management
- Real estate finance

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Commission 10 – Construction Economics and Management

- Construction economics
- Commercial management
- Project and programme management
- Large size construction management support by surveyors
- Surveyors and recovery from the recession

History of Surveying and Measurement

- History of surveying and measurement
- Maps
- Surveying instruments and methods

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 XXIV FIG International Congress by **22 September 2009**. 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.

The abstract shall be submitted **online** to FIG on the following web site: <http://www.fig.net/abstractdb/submit.asp?id=12>. Please mark “*This abstract is submitted for non-peer review*”.

Deadline for submitting the abstract is **22 September 2009**. 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: fig@fig.net

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 poster or an oral presentation. Receipt of your abstract will be acknowledged electronically.

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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 other 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

If you want to present a peer review paper at the XXIV FIG International Congress 2010 you shall submit your full paper by **22 September 2009**. When preparing the paper, please follow the guidelines prepared for papers (**paper guidelines** and the specific **paper template** for FIG 2010 that are available on the congress web site). Please feel free to submit a paper on any topic related to the specific topics of FIG 2010.

The peer review process is double blind and deadlines for different steps can be seen below under **important dates**.

Full papers shall be submitted to FIG in **electronic format** to:

International Federation of Surveyors

by email fig@fig.net

If you have problems with email the paper can be submitted (in electronic format) by mailing it to

International Federation of Surveyors

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Please include at the end of your paper all your name, address, phone and fax numbers and email address. Papers that are not accepted by the peer review process can be offered to the conference as non peer reviewed papers. In the conference programme a paper that has been accepted by the peer review process will be marked "*This is a peer reviewed paper*". 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 other agreement or compensation. The copyright of the paper remains by the author(s).

Important: In addition to submitting the full paper, you shall also submit an abstract of your paper **online** to FIG database on the following web site:

<http://www.fig.net/abstractdb/submit.asp?id=12>. Please mark "*This abstract is submitted for peer review*".

Receipt of your abstract and paper will be acknowledged electronically according to the time schedules.

The number of papers for peer review is limited to **a maximum of two per author**.

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Further information

For any information see the conference web site: www.fig2010.com.

The online registration opens at the end of **May 2009**.

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

We look forward to meeting you in Sydney in April 2010.

Yours sincerely,



Paul Harcombe
Congress Director

Markku Villikka
FIG Director

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Important dates

Deadlines for submitting abstracts, papers and registration are:

Non Peer Reviewed Papers		Peer Reviewed Papers	
22 September 2009		22 September 2009	
	Deadline for authors to submit non peer reviewed abstracts .		Deadline for authors to submit full papers for peer review.
19 November 2009		19 November 2009	
	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.
		10 December 2009	
			Deadline for authors to submit revised full paper for 2nd round of peer review (depending on proposed corrections from reviewers).
		14 January 2010	
			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)			
14 January 2010			
	Technical programme published on the conference web site.		
21 January 2010			
	Deadline for all authors to submit Full Papers .		
28 January 2010			
	Early bird registration closes and deadline for all authors to register.		
11-16 April 2010			
	XXIV FIG International Congress 2010.		

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