



8th FIG Regional Conference Montevideo, Uruguay, 26-29 November 2012 Call for Papers

Attention, new deadline for submission of abstracts: 15 September 2012

Dear Friend and Colleague,

It is our privilege and honour to invite you to the **8th FIG Regional Conference** in **Montevideo, Uruguay** to be held **from 26th to 29th November 2012**. This conference is organized by the International Federation of Surveyors (FIG) and the Asociación de Agrimensores del Uruguay (AAU). The conference is supported by Asociación Panamericana de Profesionales de Agrimensura (APPA) and may include some agencies of the United Nations like FAO and GLTN (UN-HABITAT) and the World Bank. Other international and regional partners will participate in the conference as well as FIG sister organizations from the Joint Board of Geospatial Information Societies (JB-GIS). The conference will be held at the Radisson Hotel in the centre of Montevideo. The conference will be in English and Spanish and presentations are accepted in both these languages.

The overall theme of the Regional Conference is “**Surveying towards Sustainable Development**”. There are three sub themes so that the plenary sessions in each day address different aspects of the main theme. The conference theme implements the theme of the current FIG term of office: “**Engaging the Challenge: Enhancing the Relevance**”.

The Regional Conference will bring surveyors, spatial and land professionals from all over the world together to meet while specific focus will be given to South and Latin America and the MERCOSUR region. The conference is organised jointly by FIG and Asociación de Agrimensores del Uruguay that is the FIG member association in Uruguay. AAU has 450 members that cover the disciplines within the FIG definition of a Surveyor. The organisers are expecting about 400 participants to Montevideo from about 40 countries.

The opening ceremony and three plenary sessions (Importance and Role of Surveying; Technical and Educational Aspects of Surveying; and Technological and Professional Aspects of Surveying towards Sustainable Development) will address key issues of the surveying profession in South America and globally including latest development in surveying technology, land administration and land tenure, geospatial information, urbanisation and sustainable cities and their relations to sustainable development. Applying science and technology, the surveying profession works in the construction of development, which promotes the improvement of our society and the respect of the environment. In the globalized world we are in, to share knowledge, information and data through enabling and

compatible platforms and systems is a necessity South America is working towards.. Education and exposure may promote the young colleagues to work in this way. Special focus will be given the large projects and project managements the region faces during this period of economic stimulus.

The technical programme will include a broad professional and scientific programme with 8 slots each offering 4 parallel sessions and workshops. With flash presentations the programme offers more than 150 presentations in a three-day technical programme.

The last day of the conference is reserved for a joint technical tour for participants to Colonia del Sacramento renowned for its historic quarter, a UNESCO World Heritage Site.

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 non-peer review submissions. The 8th FIG Regional Conference 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). This conference will be the major FIG conference in Latin America since 2007. More information from the conference web site: www.fig.net/uruguay.

The 8th FIG Regional Conference being the major FIG event in Latin America since 2007, all ten FIG technical commissions will be attending. 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

Papers are also invited on the areas of FIG Task Forces: Surveyors and the Climate Change; and Property and Housing; and in addition on History of Surveying and Measurement (Permanent Institution of FIG).

Specific topics of the 8th FIG Regional Conference

In the open call for papers (non-peer review) 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 values and ethics
- 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 to fit South and Latin American purposes
- Exchange of professional knowledge
- e-Learning - content development methods, tools, student support
- Life-long learning - educational and training services
- Quality assurance in education and training
- Good educational practices
- Building capacity for training and education

Commission 3 – Spatial Information Management (SIM)

- Spatial data sources and acquisition, applications and dissemination, and management
- Special session on Local Spatial Data Infrastructures (practitioners and researchers from all over the world working on Spatial Data Infrastructures at the sub-national level - presentations from Latin-America and the Caribbean are particularly welcomed)
 - Spatial data sources (aerial images, optical and radar satellite imagery, laser and optical scanners, maps, video, VGI, etc.).
 - Data management including metadata, access network, and delivery of data-related services, political and institutional arrangements, standards and people.
 - Applications in disaster and resource management, land administration, property markets and cadastre, sustainable development, planning and statistics, social and transportation planning, demographical changes, cultural heritage management, climate change adaptation/mitigation.
- Integration of spatial data – cadastre, land use, real estate, utilities, environment, socio-economic information, etc.
- Spatial Data Infrastructure (SDI) at national and regional level
- SDI components – technology, policy, standards, and users
- SDI interoperability aspects – standards, control and quality assurance processes, metadata, technical tools, portals and clearinghouses
- e-Governance and SDI in supporting decision making – theory, applications and best practice
- Business models, public-private partnerships and economic aspects of SDI
- SIM meeting challenges – natural and environmental risk prevention and disaster management, waste management, etc.

Commission 4 - Hydrography

- Hydrographic surveying and mapping and the management of marine spaces
- Hydrographic standards and guidelines
- Hydrographic education, training, and professional development
- New and emerging science and technologies for hydrography (e.g. sensors, systems, AUVs, electromagnetic wave propagation etc.)
- Maritime and marine spatial information management (including data processing and management of hydrographic data, data structures, marine spatial data infrastructures, marine information systems)
- e-Navigation

- Hydrography and society (Offshore surveying in support of energy, environment, submarine telecommunications, ports and harbours, economies, national and international political objectives)

Commission 5 – Positioning and Measurement

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

Commission 6 – Engineering Surveys

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

Commission 7 – Cadastre and Land Management

- Partnerships to implement the FAO Voluntary Guidelines on Responsible Governance of Tenure
- Land administration to support sustainable development
- Innovative cadastre and land rights management; innovative technology in land administration
- Development of pro poor land management and land administration
- Cost-effective surveying and mapping
- Land policy and reform
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- 3D and 4D cadastre
- Marine cadastre
- State land management
- Land administration in post conflict and post natural disaster areas

Commission 8 – Spatial Planning and Development

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

Commission 9 – Valuation and the Management of Real Estate

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

Commission 10 – Construction Economics and Management

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

Submission of Proposals

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

Submission of Abstracts

We invite you to submit an abstract for the 8th FIG Regional Conference by **15 September 2012**. 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 the regional conference.

It is also possible to 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 (approximately 5 minutes). This concept has successfully been used at FIG conferences.

There is also the opportunity to submit a poster. The poster is to be presented at a given time by the author at a specific allocated space. The size of the poster should be: width 0.90 m, height 1.20 m.

All abstracts shall be submitted **online** to FIG on the following web site:
<http://www.fig.net/abstractdb/submit.asp?id=17>.

Deadline for submitting the abstract is **15 September 2012**. For other important deadlines please refer to **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 normal, a flash presentation or a poster. 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 one per author (presenter)**.

Further information

For any information see the conference web site: www.fig.net/uruguay. Abstracts and papers can be submitted either English or Spanish.

Registration is open from www.fig.net/uruguay. Deadline for early bird registration for authors is 5 October 2012.

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

We look forward to meeting you in Montevideo in November 2012.

Yours sincerely,

Nelma Benia
President, AAU

CheeHai Teo
President, FIG

Important dates

Attention, new deadline for submission of abstracts: 15 September 2012

Deadlines for submitting abstracts, papers and registration are:

15 September 2012

Deadline for authors to submit **abstracts**.

Early bird registration closes. (Note: authors whose abstracts have been accepted will be able to register with early bird registration fee until 5th October).

1 October 2012

Confirmation to authors of acceptance of **abstracts**.

First draft of the technical programme will be published on the web.

5 October 2012

Deadline for all authors to register at early bird rates

30 October

Technical programme published on the conference web site.

Deadline for all authors to submit Full Papers.

15 November 2012

Deadline for normal registration.

26-29 November 2012

8th FIG Regional Conference – Radisson Montevideo, Uruguay
