



International Federation of Surveyors
 Fédération Internationale des Géomètres
 Internationale Vereinigung der Vermessungsingenieure
Commission 5
 Positioning and Measurement (2007-2010)
www.fig.net/figtree/commission5

Newsletter - October 2007 Edition

MESSAGE FROM Rudolf Staiger COMMISSION 5 CHAIR

Hi Commission 5 Delegates!

This is a short newsletter to remind delegates of the Regional Conference being held in San José - Costa Rica, 12-15th Nov 2007 and to also outline our Commission activities at this event.

I hope to see you in a few weeks in San Jose!

Cheers,

6th FIG Regional Conference Coastal Areas and Land Administration - Building the Capacity

12-15 November, San José, Costa Rica

The theme of this conference "Coastal Areas and Land Administration - Building the Capacity" has been divided into three sub-themes

- coastal areas,
- land management and
- capacity building

Consequently Commission 5 have created sessions on contemporary geodetic or positioning infrastructure which underpin

many of the surveying activities in these three sub-themes. In conjunction with the local organising committee we have created 3 technical sessions relating to -

- global navigation satellite systems (GNSS) and
- continuous operating reference stations (CORS) infrastructure

The technical and discussion sessions are -

TS 2 - GNSS CORS Fundamentals

Monday, 12 November 2007, 14:00-15:30
 Salon La Paz B Este

1. Dr-Ing. Volker Schwieger (Germany) : GNSS CORS Infrastructure and General Principles
2. Mr Mikael Lilje (Sweden) : Linking GNSS, CORS and Reference Frames
3. Mr David Martin (France) : Standards and Best Practice for GNSS and CORS
4. Mr Matt Higgins (Australia) : GNSS, CORS and Positioning Infrastructure - Business and the Future

TS 5 - Operational GNSS and CORS Infrastructure

Monday, 12 November 2007, 16:00-17:30
 Salon La Paz B Oeste

1. Ms Sonia Maria Alves Costa, (Brazil) : SIRGAS Operations and the Regional LOCAL CORS Network Scene
2. Prof. Cárdenas Contreras Andrés, Ing. Raul Ernesto Martinez Cano and Ing. Jorge Ivan Ramirez Sanabria (Colombia) : Control Geodesico y Sig de

un Tramo del Sistema Ferroviario de Colombia

3. Mr Dave Doyle (USA) : Improved Access to an Accurate Geodetic Reference Frame in the Caribbean/Center America Region
4. Dr Neil Weston (USA) : NGS and OPUS Activities
5. Mr Neal Toso (Leica Geosystems) : Overview of Various GNSS CORS Networks

TS 08 – Positioning and Measurement

Tuesday, 13 November 2007, 11:00-12:30
Salon La Paz C B Oeste (West)

1. Dr Volker Schwieger (Germany) : Positioning within the GSM Network
2. Mr Carlos Rodriguez (Puerto Rico) : Virtual Machines for GPS Real Time Networks
3. Mr Joe Sass (United States) : Low Cost, High Accuracy, GNSS Survey & Mapping

Remember this conference is open to participants from all over the world however with the main focus on Latin America and the Caribbean. To help regional and local participation the conference will be held in English and Spanish.

We look forward to meeting you in San José, Costa Rica in November for some lively discussions.

Web site: www.fig.net/costarica

Commission 5 COMING EVENTS

29 October - 1 November, Christchurch,
New Zealand

9th South East Asian Survey Congress
incorporating the 119th New Zealand
Institute of Surveyors Conference, the
6th Trans Tasman Surveyors Conference

and CASLE General Assembly and FIG
Commission's 4 (Hydrography) and 5
(Positioning & Measurement) Workshops.
Co-sponsored by FIG. Web site:
www.surveyors.org.nz/congress2007

8-10 November, Hong Kong SAR, China

4th International Symposium on LBS and
TeleCartography. Organised by
Department of Land Surveying and
Geoinformatics of the Hong Kong
Polytechnic University and the Vienna
University of Technology and co-sponsored
by ICA and IAG commissions.

Web site:

<http://www.lsgi.polyu.edu.hk/LBS2007>

OTHER Commission 5 News

2008 FIG WORKING WEEK Stockholm - Sweden UPDATE

The next FIG Working Week will be held the 14 - 19th of June in Stockholm, the capital of Sweden. FIG Commission 5 will have a strong program so it is now time to start thinking about relevant papers to be presented at the Working Week. The final date for abstracts and full papers (ONLY for those who would like to have peer-reviewed papers) is the 31st of January. More information about the FIG Working Week can be found at -

www.fig.net/fig2008

Report on the International Committee on GNSS (ICG)

Matt Higgins our FIG representative on the International Committee on GNSS (ICG) attended their second meeting in Bangalore, India.

The event was organised and hosted by the Indian Space Research Organization (ISRO),

The issues discussed at the meeting were related to Global Navigation Satellite Systems (GNSS) and any new and potential applications. These applications include safety and economic development, particularly the efficiency and safety of transport, search and rescue, geodesy, land management and sustainable development. The meeting also addressed the use of the applications to promote the enhancement of universal access to, space-based navigation and positioning systems as well as their compatibility and interoperability. In addition discussions on the integration of these services into national infrastructures, particularly in developing countries occurred.

One of the significant outcomes of this meeting was the establishment of a "Providers Forum". See press release at web location -

<http://www.unis.unvienna.org/unis/pressrels/2007/unisos357.html>

Please note, the ICG was established by the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS) in December 2005 and is programmed to meet annually. It held its first meeting in November 2006 in Vienna and adopted its terms of reference and work plan that currently includes:

- Compatibility and Interoperability,
- Enhancement of performance of GNSS services,
- Information Dissemination,
- Interaction with National and Regional Authorities and Relevant International Organizations, and
- Coordination

A more detailed report of this meeting will be supplied by Matt Higgins for the next newsletter.

ISO 17123 Part 8 standard concerning GNSS field measurements for real-time kinematics (RTK) has been published and is available for purchase. Web location -

http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=42213

If you would like to circulate Commission 5 NEWS to all our members please email your item for consideration to the Vice Chair Administration - robert.sarib@nt.gov.au