



International Federation of Surveyors  
Fédération Internationale des Géomètres  
Internationale Vereinigung der Vermessungsingenieure

## FIG e-Newsletter June/July 2014

Dear Colleague,

Welcome to the FIG e-Newsletter, which brings you latest information about FIG and its activities. The information referred here is in full length available on the FIG web site. Thus the e-Newsletter is produced to inform you what has happened recently and what interesting things are going to take place in the near future. The FIG e-Newsletter is circulated monthly or bi-monthly by e-mail. The referred articles are in English and written in a way that you are able to extract them to your national newsletters or circulate to your members and networks.

### Article of the Month

Each month on the FIG web site we publish a paper called the Article of the Month. This is a high-level paper focusing on interesting topics to all surveyors. It can be picked up from a FIG conference or another event.

The Article of the Month in July 2014 is written by **Ken Harima et al. (Australia and Japan): Performance of Real-Time Precise Point Positioning Using MADOCA-LEX Augmentation Messages**. This article is a peer reviewed article presented at the FIG Congress 2014 in Kuala Lumpur, Malaysia. The topic covers the Asian-Pacific area but is relevant and important internationally as well. The Quasi-Zenith Satellite System (QZSS) is a satellite-based augmentation system for the GPS, GLONASS and Galileo constellations, transmitting navigation signals that are compatible and interoperable with the Global Navigation Satellite Systems (GNSS). The enhanced capacity allows augmentation messages aimed at centimeter-level Precise Point Positioning (PPP) to be broadcasted over the QZSS wide area of coverage.

[www.fig.net/pub/monthly\\_articles/july\\_2014/harima\\_et.al.html](http://www.fig.net/pub/monthly_articles/july_2014/harima_et.al.html)

### FIG General Assembly 2014 elected new President and Vice Presidents for 2015-2018 and venues for Working Week 2017 and Congress 2018



New elected Vice president  
Rudolf Staiger, President  
Teo, incoming president  
Chryssy Potsiou, new elected  
vice president Diane  
Dumashie and vice president  
Pengfei Cheng

The FIG General Assembly was held 16 and 21 June in Kuala Lumpur in conjunction to the FIG Congress 2014. At the first session of the General Assembly changes for the statutes were voted on hereunder a change in voting rights. One new member association was admitted, The Institute of Surveyors (St. Lucia) Inc. ISSL, and Botswana Surveying and Mapping Association is returning as member. John Hohol, NSPS, USA and Iain Greenway, ICES, UK were both appointed Honorary Members of the Federation after many active years within FIG.

At the second session there were several elections. The results of the elections are:

FIG President 2015 - 2018: **Chryssy Potsiou**, Technical Chamber of Greece

Two elected FIG Vice Presidents 2015 - 2018: **Rudolf Staiger**, DVW, Germany and **Diane Dumashie**, Royal Institution of Chartered Surveyors, United Kingdom.

FIG Working Week 2017: **Helsinki, Finland** - Finnish Association of Geodetic and Land Surveyors (MIL) and Finnish Association of Surveyors (MAKLI) with the National Land Survey of Finland (NLS)



President Teo with new elected President Potsiou

as partner  
FIG Congress 2018: **Istanbul, Turkey** - Turkish Chamber of Survey and Cadastre Engineers

Report from the General Assembly:  
[www.fig.net/news/news\\_2014/ga\\_kl\\_june\\_2014.htm](http://www.fig.net/news/news_2014/ga_kl_june_2014.htm)  
General Assembly minutes:  
[www.fig.net/admin/ga/2014/minutes.htm](http://www.fig.net/admin/ga/2014/minutes.htm)

The minutes will be sent to all members together with the latest publications.

### **XXV FIG Congress - Engaging the Challenges, Enhancing the Relevance - celebrating the culmination of collective efforts and collaborative actions - 16-21 June 2014 Kuala Lumpur Malaysia**



The FIG Congress - where young and experienced surveyors meet

*"The FIG Congress is our global forum where sciences, technologies, knowledge and practices come together; where issues, initiatives, researches and results converge and where cultures, diversity, specialization and expertise assemble"*; said FIG President Teo CheeHai, at the opening ceremony of the Congress. More than 2500 from almost 100 countries attended the Congress that was co-organised by FIG and the Malaysian Association of Land Surveyors, PEJUTA. There were almost 60 exhibitors at the three-day exhibition and the congress also offered more than 170 technical sessions with around 550 presenters. Some of the sessions were organised in cooperation with the partners World Bank, FAO, UN-ESCAP, UN-GGIM and UN-Habitat/GLTN. The theme of the XXV FIG Congress 'Engaging the Challenges, Enhancing the Relevance' was chosen carefully to enlighten the many various activities that FIG is involved in. A joint FIG/UN-GGIM-AP Statement on Global Geodetic Reference Frame was adopted. Also a series of approaches and tools as for example "Fit-for-Purpose" Land Administration and the Social Tenure Domain Model demonstrate that FIG, together with its partners and the profession, are ready to engage challenges as undernourishment, shelter, climate change and economic progress with its sciences, technologies, knowledge and practices.



Experiencing the amazing Malaysian Culture



The Malaysian Prime Minister gave an interesting opening address at the opening ceremony

Report from the congress: [www.fig.net/news/fig2014/index.htm](http://www.fig.net/news/fig2014/index.htm)  
Congress web site: [www.fig.net/fig2014](http://www.fig.net/fig2014)  
YouTube: Feature on the opening of the congress with Prime Minister of Malaysia: [www.youtube.com/watch?v=L8BUApdgv5w](http://www.youtube.com/watch?v=L8BUApdgv5w)  
Conference Proceedings: [www.fig.net/pub/fig2014/index.htm](http://www.fig.net/pub/fig2014/index.htm)  
Programme Book (pdf – hard copy version): [www.fig.net/fig2014/downloads/Malaysia\\_programme\\_screen.pdf](http://www.fig.net/fig2014/downloads/Malaysia_programme_screen.pdf)  
UN-GGIM-AP/FIG Statement on Global Geodetic Reference Frame: [www.fig.net/admin/ga/2014/minutes/UNGGIMAP-FIG\\_statement\\_on\\_ggrf.pdf](http://www.fig.net/admin/ga/2014/minutes/UNGGIMAP-FIG_statement_on_ggrf.pdf)



Presidents and heads of delegation from FIG members planted 100 trees as part of a carbon offset programme

Picture gallery will be posted later. Some photos are posted in the report of the congress

**General Assembly**  
Report from FIG General Assembly 2014:  
[www.fig.net/news/news\\_2014/ga\\_kl\\_june\\_2014.htm](http://www.fig.net/news/news_2014/ga_kl_june_2014.htm)  
Minutes from FIG General Assembly 2014:



[www.fig.net/admin/ga/2014/minutes.htm](http://www.fig.net/admin/ga/2014/minutes.htm)

Report by FIG President Teo:

[www.fig.net/admin/ga/2014/agenda/app\\_08\\_pres\\_report.pdf](http://www.fig.net/admin/ga/2014/agenda/app_08_pres_report.pdf)

Handouts of FIG President Teos presentation:

[www.fig.net/admin/ga/2014/minutes/app\\_08\\_presidents\\_report\\_handouts.pdf](http://www.fig.net/admin/ga/2014/minutes/app_08_presidents_report_handouts.pdf)

Closing address by FIG President Teo:

[www.fig.net/pub/fig2014/ppt/closing\\_president\\_pres.pdf](http://www.fig.net/pub/fig2014/ppt/closing_president_pres.pdf)

### Young Surveyors

Young Surveyor Conference Report:

[www.fig.net/news/fig2014/2nd\\_YSC\\_Report.pdf](http://www.fig.net/news/fig2014/2nd_YSC_Report.pdf)

Report from 1st YS-AP meeting:

[www.fig.net/news/fig2014/2nd\\_YSC\\_Report.pdf](http://www.fig.net/news/fig2014/2nd_YSC_Report.pdf)

STDM training – report:

[www.fig.net/news/fig2014/STDM\\_Report.pdf](http://www.fig.net/news/fig2014/STDM_Report.pdf)

### Socioeconomic Potential of Land Administration Services - WPLA Workshop 21 - 23 May 2014 Copenhagen, Denmark



The aim of the workshop was to investigate the socioeconomic potential of land administration services and to share experiences and present new and alternate use of open and interoperable property data. The WPLA workshop was successfully hosted by the United Nations Economic Commission for Europe (UNECE) and the Danish Geodata Agency.

[www.fig.net/news/news\\_2014/wpla\\_copenhagen\\_may.htm](http://www.fig.net/news/news_2014/wpla_copenhagen_may.htm)

### FIG Commission 7 Annual Meeting and GeoConference 2014 - 7-11 October 2014 in Canada



The Commission 7 team, in close collaboration with the Canadian colleagues and the Fédération des géomètres francophones (FGF – the Francophone Federation of Surveyors), is preparing this year a unique event which will take place in the Old Quebec City, Canada, a UNESCO World Heritage. FIG Commission 7 Annual meeting will be held in conjunction with the conference.

More information:

[www.fig.net/commission7/news/2014\\_com7\\_canada.htm](http://www.fig.net/commission7/news/2014_com7_canada.htm)

Web site: [www.geocongres2014.ca](http://www.geocongres2014.ca)

### FIG Commission 3 Workshop and Meeting - 4-7 November 2014 in Bologna, Italy



The 2014 Workshop with the overall theme "Geospatial Crowdsourcing and VGI: Establishment of SDI & SIM" will be held in Bologna Italy 4-7 November 2014. At the same event Commission 3 will also hold it's annual meeting. Deadline for full papers for referee and for abstracts for other papers: 7 September 2014.

Deadline for early bird registration: 1 October 2014

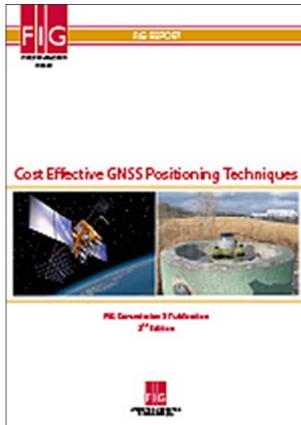
More information:

[www.fig.net/commission3/events/bologna\\_2014/Bologna-2014-FIG3.pdf](http://www.fig.net/commission3/events/bologna_2014/Bologna-2014-FIG3.pdf)

Web site: [www.com3fig.wix.com/fig-commission3-2014](http://www.com3fig.wix.com/fig-commission3-2014)

## FIG Presents five new publications and a review

### FIG publication 49 - second and updated edition - FIG Guide on Cost Effective GNSS Positioning Techniques



Cost Effective GNSS Positioning Techniques, FIG Publication 49, originally published in 2010 is now available in an updated 2nd edition. The publication is a FIG Commission 5 publication and is written by Dr. Neil D. Weston, United States and Prof. Dr. Volker Schwieger, Germany. FIG Commission 5 Chair Mikael Lilje has written the foreword.

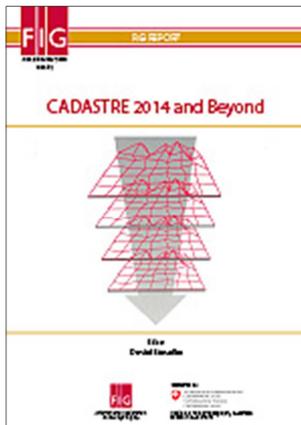
Read more about the publication:

[www.fig.net/pub/figpub/pub49\\_2ed/figpub49\\_2ed.htm](http://www.fig.net/pub/figpub/pub49_2ed/figpub49_2ed.htm)

FIG Publication 49 2nd edition - in pdf-format (47 pages - 1.1 MB)

[www.fig.net/pub/figpub/pub49\\_2ed/Figpub49\\_2ndedition.pdf](http://www.fig.net/pub/figpub/pub49_2ed/Figpub49_2ndedition.pdf)

### FIG Publication 61 - CADASTRE 2014 and Beyond - FIG report



What was a simple activity report of Working Group 1 within FIG Commission 7 "Cadastre and Land Management" in 1998, has over the years been translated into 28 languages and was a topic in many forums, panel discussions, roundtables and journal articles. This simple activity report became a visionary publication, found its way into conference halls and lecture theatres, and became a reference publication in many teaching and research institutions. Now a new FIG report has been published as a follow up on the original publication, edited by Daniel Steudler and supported by Federal Office of Topography swisstopo, Wabern, Switzerland.

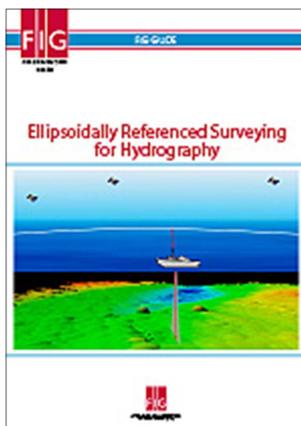
Read more about the publication

<http://www.fig.net/pub/figpub/pub61/figpub61.htm>

FIG Publication 61 - in pdf-format (73 pages - 1.8 MB)

<http://www.fig.net/pub/figpub/pub61/Figpub61.pdf>

### FIG Publication 62 - Ellipsoidally Referenced Surveying for Hydrography - FIG guide



A Commission 4 Working Group 4.1 FIG Guide. Authors are Jerry Mills, chair of the Commission 4 Working Group and David Dodd, Technical Expert to the Working Group. Commission 4 Chair, Michael Sutherland, writes: "Many of the groups using ERS techniques have developed their internal Standard Operating Procedures (SOP) through in-house experience and trial-and-error testing. It is this wealth of group information that is being drawn upon to help develop a set of "best practices" for the hydrographic industry. The development of ERS best practices is being conducted by International Federation of Surveyors (FIG) working group 4.1 under Commission 4 and will be shared with the IHO for possible inclusion in International Hydrographic Organization (IHO) publication C13, Manual on Hydrography.

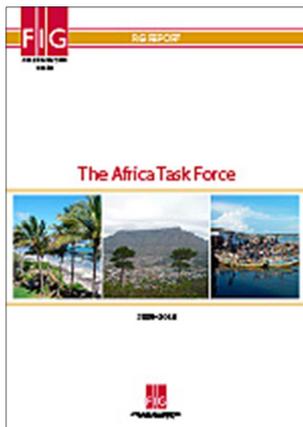
Read more about the publication:

<http://www.fig.net/pub/figpub/pub62/figpub62.htm>

FIG Publication 62 - in pdf-format (65 pages - 2.0 MB)

<http://www.fig.net/pub/figpub/pub62/Figpub62.pdf>

## FIG Publication 63 - The Africa Task Force 2009-2014 - FIG report



Chair of FIG Africa Task Force, Dr. Diane Dumashie, is author of this FIG Report which presents the objective and work design of the FIG Africa Task Force (ATF), identifies the interlinking themes, summarises the contents and outcome of each workshop and make recommendations for the way forward. The FIG Africa Task Force was established at FIG's 32nd General Assembly held in Eilat, May 2009.

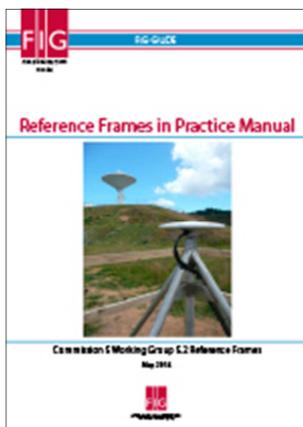
Read more about the publication:

<http://www.fig.net/pub/figpub/pub63/figpub63.htm>

FIG Publication 63 - in pdf-format (36 pages - 1.3 MB) :

<http://www.fig.net/pub/figpub/pub63/Figpub63.pdf>

## FIG Publication 64: Reference Frames in Practice Manual - FIG Guide



One of the most significant technologies to emerge in recent decades has been Global Navigation Satellite Systems (GNSS). The rise of such a global technology has highlighted the need for countries to move from locally defined geodetic datums to more global datums based on the International Terrestrial Reference Frame. This FIG publication is a response by Commission 5 to this trend by bringing together a series of fact sheets to better inform surveyors about some of the key issues they need to consider as they realign and upgrade their professional knowledgebase.

Editor is Graeme Blick and authors consist of Graeme Blick, Chris Crook, Nic Donnelly, Roger Fraser, Mikael Lilje, David Martin, Chris Rizo, Daniel R. Roman, Rob Sarib, Tomás Soler, Richard Stanaway, and Neil D. Weston.

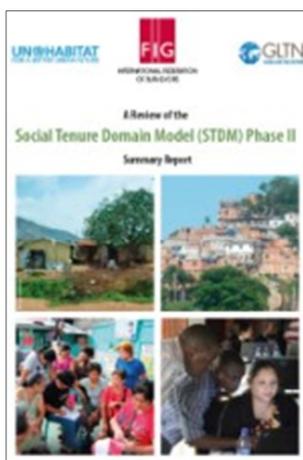
Read more about the publication:

<http://www.fig.net/pub/figpub/pub64/figpub64.htm>

FIG Publication 64 in pdf format (2 mb):

<http://www.fig.net/pub/figpub/pub64/Figpub64.pdf>

## A FIG Review of the Social Tenure Domain Model (STDM) Phase II Summary Report



Many land rights and land claims are based on social tenures and cannot be described in terms of conventional, parcel-based concepts. New forms of spatial units have therefore been needed for some time, and the Global Land Tools Network (GLTN) developed a model to accommodate these social tenures. It is called the Social Tenure Domain Model (STDM). FIG undertook a peer review of the STDM and commissioned key, internationally recognized academics, researchers and practitioners who are regarded as experts in the land sector and who are from FIG's membership base.

FIG peer review report on the STDM Model - in pdf-format (4 pages - 2 MB):

[http://www.fig.net/pub/figpub/stdm\\_review/STDM\\_screen.pdf](http://www.fig.net/pub/figpub/stdm_review/STDM_screen.pdf)

## FIG Annual Review 2013 - read about an eventful year for FIG



2013 was a productive year for FIG. There were many arrangements, activities and useful results and many within the FIG community were engaged in all these happenings for which FIG thanks very much. Read a summary of the activities that took place in 2013 The FIG Annual Review 2013 is now available as .pdf. Hard copies will be mailed to all members together with the minutes from the General Assembly in Kuala Lumpur 2014. You can download the FIG Annual Review and profile here in pdf-format (24 pages and 4 MB):

[http://www.fig.net/annual\\_review/anrew13/ARReview2013.pdf](http://www.fig.net/annual_review/anrew13/ARReview2013.pdf)

### Vacancies and project opportunities

University of Stuttgart, FAO, University of Calgary

<http://www.fig.net/jobs/jobindex.htm>

### FIG on Social Media

Remember that you can follow FIG on the social media.

If you have not already joined, join us today:

Facebook: <https://www.facebook.com/#!/internationalfederationofsurveyors>

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LinkedIn: [http://www.linkedin.com/groups?gid=2669121&trk=myg\\_ugrp\\_ovr](http://www.linkedin.com/groups?gid=2669121&trk=myg_ugrp_ovr)

### Forthcoming events

#### 29 Sept – 3 Oct Medellin, Colombia

The 16th International Symposium 2014, " The geoinformation serving to society" organized by the Latin American Society of Remote Sensing and Geographic Information Systems SELPER and The Faculty of Engineering of Universidad Distrital (Bogotá, Colombia)

Web site: <http://www.selpercolombia2014.com/>

#### 6-10 Oct, Bogota, Colombia

"XX Cadastral Week - Geosciences and Land Management Systems" organized by the Cadastral and Geodesy Engineering and The Faculty of Engineering of Universidad Distrital (Bogotá, Colombia)

Web site:

#### 7-9 October 2014, Berlin, Germany

InterGeo - Organised by DVW, Germany.

Web site: <http://www.intergeo.de/intergeo/index.php>



#### 7-11 October Québec, Canada

FIG Commission 7 annual meeting and GeoConference 2014

More information: [http://www.fig.net/commission7/news/2014\\_com7\\_canada.htm](http://www.fig.net/commission7/news/2014_com7_canada.htm)

Web site: [www.geocongres2014.ca](http://www.geocongres2014.ca)



**4-8 November 2014, Bologna, Italy**

FIG Commission 3 Workshop "Geospatial Crowdsourcing and VGI: Establishment of SDI & SIM" And Commission 3 Annual Meeting, organised by FIG Commission 3

More information: [www.fig.net/commission3/events/bologna\\_2014/Bologna-2014-FIG3.pdf](http://www.fig.net/commission3/events/bologna_2014/Bologna-2014-FIG3.pdf)

Web site: <http://com3fig.wix.com/fig-commission3-2014>

**9-11 November 2014, American University in Dubai (AUD), United Arab Emirates**

4th International FIG 3D Cadastre Workshop

Website: <http://www.gdmc.nl/3DCadastres/workshop2014/>

Deadline for the submission of extended abstracts is 30 June 2014.

**25-27 November 2014, Suva, Fiji Islands**

Pacific GIS/RS User Conference, Geographic Information Systems and Remote Sensing in the Pacific, cosponsored by FIG

**26-28 November 2014, Vienna, Austria**

11th International Symposium on Location-based Services, by Vienna University of Technology and International Cartographic Association (ICA)

Web site: <http://www.lbs2014.org>

For **additional FIG and FIG Commission events** see always up-to-date information at: [www.fig.net/events/events.htm](http://www.fig.net/events/events.htm)

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If you want to cancel your subscription please send an email to the FIG office, email: [FIG@fig.net](mailto:FIG@fig.net).

Kind regards,

**Ms. Louise Friis-Hansen**

FIG Manager



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**FIG Working Week 2015 – Sofia, Bulgaria, 17-21 May 2015**

Web site: [www.fig.net/fig2015](http://www.fig.net/fig2015)



Web site: [www.fig.net/fig2016](http://www.fig.net/fig2016)

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