



# FIG

“Engaging the Challenges,  
Enhancing the Relevance”

## XXV FIG Congress 2014

Kuala Lumpur, Malaysia 16–21 June 2014



## Programme Book

Organised by:



INTERNATIONAL FEDERATION  
OF SURVEYORS



PEJUTA – ASSOCIATION OF AUTHORISED  
LAND SURVEYORS MALAYSIA

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### Greetings from PEJUTA President



On behalf of the Association of Authorised Land Surveyors Malaysia (PEJUTA), it is both my honour and great pleasure to welcome all of you to Kuala Lumpur, Malaysia. We celebrate the prestigious and meaningful event, the XXV International Federation of Surveyors Congress and the 37<sup>th</sup> FIG General Assembly. The excitement and fervor of organising this Congress and General Assembly have never stopped, since the Malaysian team was announced the winning team to host the XXV FIG Congress and more so, since it is the first time that FIG has ever held any major events in Malaysia.

For the XXV FIG Congress, in June 2014, a theme titled “*Engaging the Challenges – Enhancing the Relevance*” was developed against the backdrop of keen anticipation, where this time around, we will focus on the all-important aspect of “*relevance*” of the Surveying and Mapping Industry, which we feel should be the next major component and emphasised in the collective view of all surveying professionals who are operating in member countries of the FIG.

In expanding the theme of the XXV FIG Congress through a myriad of content-rich paper presentations imbued with future-positive insights, we are looking forward to a time of synergy and active interaction between speakers and participants, a time to “*catch up*” again, from where we left off in 2010 in Sydney, in terms of our individual as well as our respective countries’ progress in rising above challenges and reinforced tacit knowledge.

Most of all, in the active conversations we are expecting from the anticipated cohesive emphasis on “*making it count*” with our professional services (relevance) in the face of the key challenges, it is envisaged that, besides the knowledge sharing and enjoyable visits to experience beautiful and sunny Malaysia, all delegates at the forthcoming the XXV FIG Congress and 37<sup>th</sup> FIG General Assembly, will leave Malaysia, feeling empowered with the knowledge and wisdom, to be directed towards enhanced nation building, as they return to their respective countries. This scenario will indeed be the crux of the pride and joy to be felt by the Association of Authorised Land Surveyors Malaysia and its members, for all the effort and enthusiasm rendered (with the support of major stakeholders and sponsors) to make this event possible.

I thank you, members of FIG, for the opportunity to host this event. Time flies quickly with keen anticipation. ‘Selamat Datang’ to Kuala Lumpur.

Terima Kasih.

**Sr Mohammad Azmi Mohd Zin**  
President, PEJUTA



## Greetings from FIG President



*Colleagues, Friends and Participants,*

Selamat Datang! Welcome to XXV FIG Congress and to Kuala Lumpur, Malaysia.

Kuala Lumpur means the convergence of two rivers. Similarly, FIG Congress, a quadrennial event, is the global forum where our science, technologies, knowledge and practices converge; where issues, initiatives, researches and results converge and where cultures, diversity, specialisation and expertise converge. With the theme “*engaging the challenges; enhancing the relevance*”, the 2014 FIG Congress should be where friends, practitioners, partners and stakeholders converge to discuss and debate, to inspire and motivate; to share and develop concepts, approaches and solutions that will allow our Profession to remain useful and relevant for the betterment and wellbeing of society, environment and economy.

This silver jubilee Congress in FIG’s 136-year history includes FIG’s 37<sup>th</sup> General Assembly where our worldwide memberships gather to dispense and decide on the businesses of the Federation. It also includes the 2<sup>nd</sup> FIG Young Surveyors Conference where the younger amongst us can begin to engage the challenges and the opportunities before them. Within the stimulating technical programme are a series of joint sessions and activities with our international institutional partners including but not lim-

ited to the World Bank, UN-GGIM; UN-Habitat, FAO, UNESCAP, UN-GGIM-AP and GLTN. This Congress also incorporates the 16<sup>th</sup> International Surveyors Congress, an annual event organised by local professionals and practitioners.

In a rapidly changing and challenging environment, where our sciences, technologies, knowledge and practices are co-evolving, converging and complementing other sciences, technologies and knowledge, its providing increasing possibilities and potentials, which we must be excited about. I trust that all participants will renew past friendships and make new ones, have a motivating and beneficial time at the Congress, taking the opportunity to address various issues and challenges and suggest responses and actions. Through this cooperative effort, our Profession can extend the usefulness of surveying for the betterment and wellbeing of humanity. In so doing, we further enhance the relevance and standing of the surveying profession.

I thank all our international and regional institutional partners; all sponsors and exhibitors; all speakers and presenters; session chairs and rapporteurs; organisers and volunteers; and all participants for converging at the XXV FIG Congress here in Kuala Lumpur Convention Centre.

I wish you a fruitful and pleasant time here in Kuala Lumpur, Malaysia.

**CheeHai Teo**  
**President**

## Greetings from the Congress Directors



*Dear Colleagues, Friends and Participants,*

I am honoured to welcome all guests, presenters, exhibitors and participants to the XXV International Federation of Surveyors Congress co-organised by the International Federation of Surveyors (FIG) and Association of

Authorised Land Surveyors Malaysia (PEJUTA) with the cooperation from Land Surveyors Board Malaysia, Department of Survey and Mapping Malaysia, Malaysian Convention and Exhibition Bureau, Board of Quantity Surveyors Malaysia, Board of Valuers, Appraisers and Estate Agents Malaysia, City Hall of Kuala Lumpur and Royal Institution of Surveyors Malaysia. Welcome to Kuala Lumpur.

I am sure everyone is looking forward to participate in the plenary and technical sessions, including joint activities that are also being organised in conjunction with the XXV FIG Congress with UN-Habitat, UN-FAO, GLTN, UN-ESCAP, UN-GGIM-AP and the World Bank. There are also the 2<sup>nd</sup> Young Surveyors Conference, FIG History Symposium, STDM Training-of-Trainers Workshop as well as 16<sup>th</sup> International Surveyors Congress (an annual national event). The events for young surveyors/professionals are specifically designed for the younger amongst us, with interactive, hands-on workshops and sessions including the 1<sup>st</sup> FIG Young Surveyors Asia-Pacific Meeting. There is also the trade exhibition that will show case the latest technologies and platforms in the surveying and allied industry.



The FIG 2014 Congress is a perfect platform for everyone to pick up new ideas, new opportunities, to collaborate or share experiences and expertise. In other words, you will not leave the congress without having learned something new and that is the opportunity that this congress provides; a chance for us to not only keep abreast of our own specialisation, but to learn more what other partners and players are doing in order for the surveying profession to be at the forefront and to remain significant and relevant. This is in line with the FIG 2014 Congress theme of *Engaging the Challenges; Enhancing the Relevance*.

At the same time, please do enjoy the beautiful city of Kuala Lumpur, a cultural melting pot that has much to offer for every participant or visitor throughout the congress week. A range of technical visits, social events and social tours has been offered for participating delegates and accompanying persons. Only the best aspects of Kuala Lumpur and its environs have been incorporated to pro-



*Dear Delegates, Partners, Exhibitors, Sponsors, Accompanying persons, Helpers, in other words: Dear participant of the XXV FIG Congress 2014,*

Welcome to this very special FIG Congress 2014. The preparations for this Congress started already back in 2010 right after the General Assembly voted for FIG Congress 2014 to take place in Kuala Lumpur, Malaysia. Ever since, the local organising committee together with the local association PEJUTA have worked tirelessly, dedicated and intensely on the preparations. We can now reap the fruits of all the work on the preparations. For FIG Office it has been an utmost pleasure to work together with the local organising committee during these past years – even with a FIG office representative on site.

The result of the last 4 years of work is a busy programme with activities from early morning to the more relaxed social events at night time following the technical programme. It is important for us that you will get as much output from the congress as possible and that you will return with a heavy mental bag of experience and impressions from the Congress – both professionally with new inspiration and ideas, ready to pass on all your new knowledge to your colleagues and friends; and socially with new and renewed friendships and loaded with impres-

vide value for money for persons whose time is at a premium. Coincidentally, Malaysia is hosting the Visit Malaysia Year 2014; the nation's biggest and grandest tourism celebration with Malaysia Truly Asia's endless wonders of events, festivals and activities all-year round.

I sincerely hope you will find the opportunity to feel and experience Malaysia, its multi-racial populace, multicultural aspects, music, arts and varieties of local dishes or cuisines. Last but not least, thank you to all sponsors, guests, speakers, exhibitors, participants, supporters and all those who had help to make this event a success. All of you have become a part of history; participating in the first FIG congress ever to be held in Malaysia and in Asia, in FIG's 136 years of FIG existence!

**Hasan Jamil**  
**Co-Congress Director**

sions and inspiration from fellow participants from all parts of the world and from almost 100 different countries.

Have you downloaded the conference app? This year we have introduced this useful new feature which is indispensable in order to follow the entire varied programme with activities and technical sessions that you should not miss – and it will be updated regularly with possible changes. You can also use the app to get to know your fellow participants. Spend a few moments to download the app and register your contact data (mobile phone number and email address) so that fellow peers can contact you, or you can find relevant partners and friends and will be able to connect with them.

Finally, you will hopefully return after this intense week filled with impressions both from the spectacular and friendly Malaysia culture and from this varied programme that is being offered to you. Please do remember that a conference does not stop when you are heading for your return flight. Once you return all impressions and new learning must be adapted, stored, passed on to your colleagues and most importantly used in your daily work.

A final thanks to our Partners, Sponsors and Exhibitors who made this congress come true and especially to the local organising committee and PEJUTA.

**Louise Friis-Hansen**  
**Co-Congress Director**

### International Federation of Surveyors, FIG



The International Federation of Surveyors is an international, non-government organisation whose purpose is to support international collaboration for the progress of surveying in all fields and applications.

FIG is the premier international organisation representing the interests of surveyors worldwide. It is a federation of the national member associations and covers the whole range of professional fields within the global surveying community. It provides an international forum for discussion and development aiming to promote professional practice and standards. FIG was founded in 1878 in Paris as the Fédération Internationale des Géomètres. This has become anglicised to the International Federation of Surveyors. It is a UN-recognised nongovernment organisation (NGO), representing more than 120 countries throughout the world, and its aim is to ensure that the disciplines of surveying and all who practice them meet the needs of the markets and communities that they serve.

#### FIG Council Members (2011–2014)

- President: Mr. **CheeHai Teo** (AALSM, Malaysia)
- Vice President: Prof. Dr. **Chryssy Potsiou** (TEE and HARSE, Greece)
- Vice President: Prof. Dr. **Rudolf Staiger** (DVW, Germany)
- Vice President: Mr. **Bruno Razza** (CNGeGL, Italy)
- Vice President: Dr. **Pengfei Cheng** (CSGPC, PR China)

### Association of Authorised Land Surveyors Malaysia, PEJUTA



Association of Authorised Land Surveyors Malaysia (PEJUTA) is a professional association established under the Registrar of Societies in 1976. Its members comprise of surveyors registered under the Licensed Land Surveyors Act 1958 (revised 1991).

PEJUTA has progressed significantly since then, and have contributed much to national development over the years. The Association collaborates with Department of Survey and Mapping Malaysia (JUPEM), Land Surveyors Board Malaysia (LJT), Institutions of Higher Learning and other government agencies for the advancement of the science and practise of the profession.

- ACCO Representative: Prof. **Yerach Doytsher** (ALS, Israel)

#### FIG's Technical Work is Led by Ten Commissions (Commission Chairs 2011–2014)

- Commission 1 – Professional Standards and Practice – Ms. **Leonie Newnham** (SSSI, Australia)
- Commission 2 – Professional Education – Prof. **Steven Frank** (ACSM, USA)
- Commission 3 – Spatial Information Management – Prof. **Yerach Doytsher** (ALS, Israel)
- Commission 4 – Hydrography – Dr. **Michael Sutherland** (CIG, Canada)
- Commission 5 – Positioning and Measurement – Dr. **Mikael Lilje** (Samhällsbyggarna, Sweden)
- Commission 6 – Engineering Surveys – Prof. **Gethin W. Roberts** (ICES, United Kingdom)
- Commission 7 – Cadastre and Land Management – Mr. **Daniel Roberge** (CIG, Canada)
- Commission 8 – Spatial Planning and Development – Mr. **Wafula Nabutola** (ISK, Kenya)
- Commission 9 – Valuation and the Management of Real Estate – Prof. **Frances Plimmer** (RICS, United Kingdom)
- Commission 10 – Construction Economics and Management – Mr. **Robert Sinkner** (CUSC, Czech Republic)

PEJUTA's Vision, "A Dynamic and Agile Community of Surveying and Mapping Professionals" comprises three goals:

- A cohesive community of professionals with clarity of purpose, direction and accountability, unified in its agreement on strategic initiatives and priorities, armed with an unfailing discipline to follow through;
- Licensed Land Surveyors who demonstrate increasing ability to anticipate and adapt effectively to the future; and
- An innovation-driven infrastructure that enhances access to comprehensive information through a wide range of technology and facilities.



## Primary Supporters



### Malaysia Convention and Exhibition Bureau, Malaysia (MyCEB)

Established by the Malaysian Ministry of Tourism, MyCEB's role is to further promote and position Malaysia internationally as the preferred destination for meetings, incentives, conventions, exhibition including major events. MyCEB assists local and international meeting and event planners bid for, secure and stage their international events successfully in Malaysia. Read more at [www.myceb.com.my](http://www.myceb.com.my).



### JUPEM

Department of Survey and Mapping Malaysia (JUPEM) is one of the earliest agencies in Malaysia that performs the survey and mapping activities which started in 1885 when the Department of Survey Johor was established. During the 1885 and 1957 period, the States Survey & Topographic Department were gradually, established one by one and later merged as one entity as it is now known. In 1965, the government approved the setting up of "Direktorat Pemetaan Negara Malaysia" (Directorate of National Mapping, Malaysia) that was responsible in survey, mapping, topographic and geodetic activities.

Since its foundation, JUPEM has embarked into various restructuring programmes and modernisation process in order to improve its services and products offered. JUPEM has always strived to be the best in survey and mapping activities ever since its conventional era. This effort continues even in the era of satellite technology. To know more about JUPEM, kindly visit [www.jupem.gov.my](http://www.jupem.gov.my).



### Land Surveyors Board Malaysia

The Land Surveyors Board, established on 1<sup>st</sup> May 1958, under the Licensed Land Surveyors Act 1958 (Act 458), is the corporate body responsible for:

- Controlling and maintaining standards for land surveyors and other related matters
- Regulating the practice of land surveying in Peninsular Malaysia
- Keeping the surveying profession abreast with the latest development and advancement in survey sciences.

Read more at [www.ljt.org.my](http://www.ljt.org.my).

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### Silver Level

COWI	COWI A/S <a href="http://www.cowi.dk">www.cowi.dk</a>
Geo web	Geoweb S. p. A <a href="http://www.geoweb.it">www.geoweb.it</a>
MERIDIAN+	Meridian+ <a href="http://www.agpmeridian.com">www.agpmeridian.com</a>
State Land Cadastre Centre	The State Enterprise "State Land Cadastre Centre", Ukraine
THOMSON REUTERS	Thomson Reuters <a href="http://grm.thomsonreuters.com">grm.thomsonreuters.com</a>

### Bronze Level

GIM INTERNATIONAL	GIM International – Geomares Publishing <a href="http://www.gim-international.com">www.gim-international.com</a>
KQ GEO Technologies	KQ Geo Technologies Co <a href="http://www.kanq.com.cn">www.kanq.com.cn</a>
SEPRET	SEPRET (Société des Etudes de Projets et Réalisation des Travaux, S.A.R.L.) <a href="http://www.sepret.com">www.sepret.com</a>

### Basic Level

DERINSU	Derinsu Underwater Engineering & Consulting <a href="http://www.derinsu.com">www.derinsu.com</a>
Global Survey Qatar	Global Survey Qatar

### Regional Level

CAMEROON ENGINEERING S.A.	Cameroon Engineering S.A.
CONCORD SURVEYING WORKS CO.	Concord Surveying Works Co. <a href="http://concordsurveying.com">concordsurveying.com</a>
COORDINATES	Coordinates Magazine <a href="http://www.mycoordinates.org">www.mycoordinates.org</a>
GEOCONNECTION	GEO:connexion Ltd <a href="http://www.geoconnexion.com">www.geoconnexion.com</a>
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### Other Sponsorship

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Trimble transforms the way work is done through the application of innovative positioning. By integrating a wide range of positioning technologies such as GPS, laser, optical and inertial with application software, wireless communications and services, Trimble provides complete solutions that are focused on applications requiring position or location – including surveying, construction, mining, agriculture, utilities, public safety, asset management and mapping. Trimble solutions are used in over 100 countries around the world. Our portfolio includes over 900 patents and serves as the basis for the broadest positioning offerings in the industry. With employees in more than 21 countries and a highly capable network of distribution partners, Trimble customers are served and supported with world-class training, support and service capabilities.



Esri's geographic information system (GIS) technology has given clients the power to think and plan geographically for over 40 years. Used today in more than 350,000 organisations worldwide, GIS helps cities, governments, universities, and Fortune 500 companies save money, lives, and our environment. GIS helps you understand and question data in ways that reveal relationships, patterns, and trends. So whether you are transporting ethanol or studying landslides, you can use GIS to solve problems and make better decisions, because a GIS enables you to look at your valuable data in a way that is quickly understood and easily shared. ESRI supports the implementation of GIS technology on the desktop, servers, online services, and mobile devices.



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## Organising Committee

### Steering Committee

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**Mohammad Azmi Mohd Zin**

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*Host*

**Hasan Jamil**

Deputy Director General I  
Department of Survey and Mapping  
Malaysia  
*Co-Congress Director*

**Louise Friis-Hansen**

FIG Manager  
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Department of Survey and Mapping  
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President  
PEJUTA  
*Member*

**Abdul Hamid Abu Bakar**

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**Abdul Manaff Haji Hashim**

President  
Board of Quantity Surveyors Malaysia  
*Member*

**Zulkefli Haji Sharif**

Chief Executive Officer  
MyCEB  
*Member*

**Hasan Jamil**

Deputy Director General I  
Department of Survey and Mapping  
Malaysia  
*Co-Congress Director*  
*Member*

### Local Organising Committee

**Hasan Jamil**

*Co-Congress Director*  
*Chair*

**Mohd Yunus Mohd Yusoff**

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Malaysia  
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### FIG Office

**Louise Friis-Hansen**

FIG Manager  
*Co-Congress Director*

**Hanne Elster**

*Event and*  
*Conference Coordinator*

**Claudia Stormoen Pedersen**

*Event and*  
*Conference Coordinator*



## Conference Information

### Conference Delegates

Full registration includes admission to all technical sessions and exhibition, lunches, coffee breaks with refreshments, Welcome Reception, Opening Ceremony as well as the Farewell Reception.

### Students / Young Professionals

Full registration includes admission to plenary and all technical sessions, 2<sup>nd</sup> FIG Young Surveyor Conference, exhibitions, lunches, coffee breaks with refreshments at Impiana KLCC Hotel, Welcome Reception, Opening Ceremony as well as the Farewell Reception.

### Accompanying Persons

Accompanying person registration includes Welcome Reception and Opening Ceremony, as well as an exciting full day tour. The tour will include a guided heritage tour, covering the history and architecture of the city's landmark, Dataran Merdeka (Independence Square). After lunch Karyaneka will be visited. Karyaneka is one of Malaysia's leading handicraft and memento centres, giving the opportunity to take home a piece of Malaysia's memories.

### Registration Desk

The registration desk is located at the foyer, Level 3 at KL Convention Centre.

#### *Opening hours:*

Sunday 15 June	13:00–18:00
Monday 16 June	08:00–18:00
Tuesday 17 June	08:00–18:00
Wednesday 18 June	08:00–18:00
Thursday 19 June	08:00–18:00
Friday 20 June	08:00–16:00

Registration for the 2<sup>nd</sup> FIG Young Surveyors Conference takes place at Impiana Hotel.

### Speakers' Preparation Room

The Speakers' Preparation Room is located in room 310, Level 3 at KL Convention Centre. All speakers are requested to visit the Speakers' Preparation Room to upload their presentation at least 24 hours prior to the start of their session.

#### *Opening hours:*

Monday 16 June	12:00–18:00
Tuesday 17 June	08:00–18:00
Wednesday 18 June	08:00–18:00
Thursday 19 June	08:00–18:00
Friday 20 June	08:00–16:00

### Conference Bag

After having registered the delegate will receive a conference bag at the dedicated desk.

### Name Badge

Each delegate registered for the conference will receive a name badge at the Registration Desk. This badge will be your official pass and must be worn to obtain entry to all sessions, exhibition and social functions.

### Delegate List

The delegate list with the name, organisation and country of registered delegates is available on the conference app, as well as on the conference website [www.fig.net/fig2014](http://www.fig.net/fig2014) and will be updated with late registrations.

### Lunch and Coffee Break

17–19 June lunch and coffee will be served during the breaks at Level 3, East Wing, in the exhibition area. 20 June lunch and coffee is served at the Ground Level, East Wing. The Young Surveyors will have lunch at Impiana Hotel.

### Wireless Internet

Wireless Internet is provided by KL Convention Centre: Login/SSID: L3 wifi, password: abcde12345. In addition there will be a lounge in the exhibition area where computers are available for public use.



### General Assembly – Session 1

**Date:** Monday 16 June 9:00–17:00

**Venue:** Conference Hall 2, Level 3, KLCC

### General Assembly – Session 2

**Date:** Saturday 21 June 9:00–16:00

**Venue:** Ballroom 1, Level 3, KLCC

### Opening Ceremony

**Date:** Tuesday 17 June 14:30–16:00

**Venue:** Plenary Hall, KLCC

The opening ceremony will provide a spectacular introduction to the congress, its theme, and its unique location – a festive start of the Congress.

We are pleased to announce that the XXV FIG Congress will be officiated by the Honourable Dato' Sri Mohd Najib bin Tun Haji Abdul Razak, Prime Minister of Malaysia.

### 2<sup>nd</sup> FIG Young Surveyors Conference

**Date:** Tuesday 17 – Thursday 19 June 9:00–18:00

**Venue:** Impiana KLCC Hotel

The Second FIG Young Surveyors Conference will be held within the 2014 FIG Congress in Kuala Lumpur Malaysia. Feedback from the first conference, held immediately prior to the 2012 FIG Working Week in Rome was that whilst it was fantastic to host an event tailored to young surveyors, the extended period of time needed to attend an extra event was difficult to justify. So, this time around, FIG have designed the conference as a “Young Surveyor” stream within the overarching Congress – open to all, but specifically designed for the needs of young surveyors, with more workshops, career and hands-on innovation sessions.



### Carbon Offset Programme

**Date:** Wednesday 18 June 11:00–14:00

**Venue:** Forest Research Institute of Malaysia (FRIM), Kepong, Kuala Lumpur

**Special programme for Presidents, Heads of Delegation, FIG Platinum Sponsors and FIG Council Members**

As part of its effort to help mitigate the green house effect and to address the issue of climate change, the Local Organising Committee of FIG 2014 will be pursuing

a home grown Carbon Offset Programme aptly named “Let’s Meet & Green” to plant trees in order to offset the price of progress by giving back to the environment.

A Special Carbon Offset Technical Tour, in collaboration with Malaysian Convention & Exhibition Bureau (MyCEB), a primary supporter of this event will be organised. The organiser has invited the Presidents of Member Associations of FIG, FIG Council Members and Head of Delegations, including the Director Generals / Surveyor Generals attending the XXV FIG Congress in Kuala Lumpur to participate in the planting of trees at Forest Research Institute of Malaysia (FRIM) on behalf of the Congress delegates.

### Royal Institution of Surveyors Malaysia, 16<sup>th</sup> International Surveyors Congress

**Date:** Thursday 19 June – Friday 20 June

**Opening:** Thursday 19 June 11:30–13:00

**Venue:** KLCC

The International Surveyors Congress (ISC) is an annual event organised by the Royal Institution of Surveyors Malaysia (RISM). In 2014, the 16<sup>th</sup> ISC is held in conjunction with the FIG 2014 Congress.

RISM is an organisation comprising of four distinct but closely related surveying fields, i.e., Geomatics and Land Surveying; Quantity Surveying; Property Management, Valuation and Estate Agents; and Building Surveying. It was established in 1961 and known as the Institution of Surveyors with the merging of two professional surveying institutions, namely the Malayan Institutions of Surveyors and the Institution of Land Surveyors. The institution was conferred a royal status by His Royal Highness the Sultan of Selangor on March 28, 2011.

### FIG History Symposium

**Date:** Friday 20 June 11:30–18:00

**Venue:** Room 405, KLCC

The symposium is organised by the International Institution for the History of Surveying and Measurement, a Permanent Institution within FIG. This year the symposium is part of the FIG Congress and is open to all. Tickets can be bought if you only want to attend the History Symposium. Cost 50 EUR.

### 1<sup>st</sup> FIG Young Surveyors Asia-Pacific Meeting

**Date:** Friday 20 June 9:00–18:00

**Venue:** Impiana KLCC Hotel

The 1<sup>st</sup> FIG Young Surveyors Asia-Pacific Meeting is a whole day meeting on the 20<sup>th</sup> June 2014 that will consist of country presentations and open discussions to generate



debate and activate exchange of ideas, more than at ordinary conferences. It aims to create a platform for young surveying professionals and students to network and discuss issues of common interest that concerns the Asia-Pacific region.

### UN-GGIM-AP Executive Board Meeting

**Date:** Friday 20 June, 11:00–18:00

**Venue:** Room 401, KLCC

**By invitation only**

FIG is honoured to host the Executive Board Meeting of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific. In addition to the EB Meeting three joint sessions will take place on Thursday 19 June. More information on page 24.

### ASEAN Flag Council Meeting

**Date:** Friday 20 June 14:45–16:30

**Venue:** Rooms 403 and 404, KLCC

**By invitation only**

FIG is honoured to host the ASEAN Federation of Land Surveying and Geomatics and their Council Meeting. In addition the Council Meeting two joint sessions will take place on Thursday. More information on page 24.

### FIG Presidents' Meeting

**Date:** Friday 20 June 16:30–19:30

**Venue:** Rooms 403 and 404, KLCC

**By invitation only**

Meeting of Presidents and head of delegations of FIG member associations.



### MyCEB Conference App

The free conference mobile app allows you to quickly get the latest information about the programme, plenary speakers, participants, and also serves as a destination guide highlighting sights, shopping, dining etc. in Kuala Lumpur.

Username: OrderID@fig.net (e.g., 123@fig.net)\*)

Password: FIG2014

Download the app from the App Store or Google Play and register your mobile phone number and email address so that fellow peers can contact you!

\*) You can find your Order ID in your name badge. The email is only to be used for login.



### WhatsApp

The congress organisers realise how crucial networking with fellow peers is for the conference experience. To enhance the possibilities, we suggest you download WhatsApp from your mobile store. WhatsApp is a mobile messaging app which allows you to exchange messages without having to pay for the SMS.

### Social Media



[www.facebook.com/#!/internationalfederationofsurveyors](http://www.facebook.com/#!/internationalfederationofsurveyors)



[twitter.com/FIG\\_NEWS](https://twitter.com/FIG_NEWS)



[www.linkedin.com/groups?trk=group-name&gid=2669121](http://www.linkedin.com/groups?trk=group-name&gid=2669121)







The 2014 FIG Congress will be held at the Kuala Lumpur Convention Centre. The Kuala Lumpur Convention Centre is a convention and exhibition facility in the heart of Kuala Lumpur, Malaysia, a part of the Kuala Lumpur City Centre precinct, also known as KLCC. The convention centre consists of 4 levels, and the FIG Congress takes place on primarily 3<sup>rd</sup> and 4<sup>th</sup> floor. There are facilities around the Convention Centre in the open areas to rest or have small meetings.

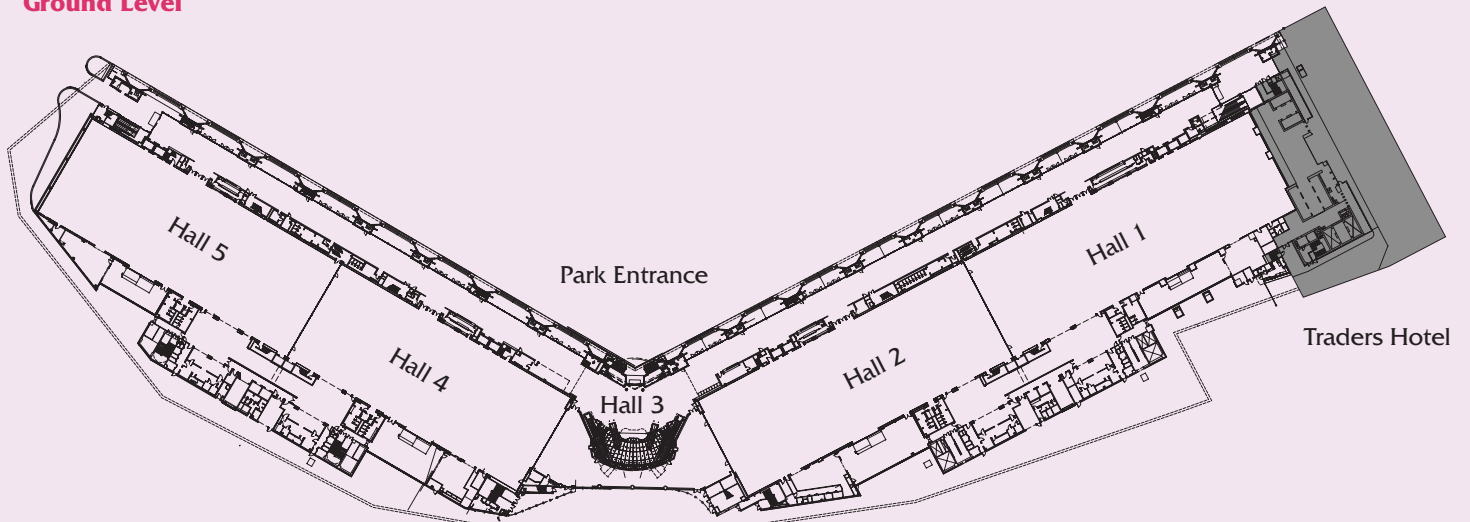
### Events and Locations

Opening Ceremony	Plenary Hall
Welcome Reception	Hall 1 (Ground Level)
General Assembly	Conference Hall 2 (Session 1), Ballroom 1 (Session 2)
Plenary Sessions	Plenary Hall
Technical Sessions, Special Sessions and Forums	Rooms 301–306, Press Centre, Conference Room 1–3, Rooms 401–405
Office – FIG/LOC	Room 307
Office – FIG President	Room 308
Speakers' Preparation Room	Room 310
Malaysian Evening	Hall 1 (Ground Level)
Gala Dinner	Grand Ballroom, Mandarin Oriental Hotel Kuala Lumpur
FIG Farewell Reception	Ballroom 2 (Level 3)
Exhibition	Ballroom 1 & 2 (Level 3)
Coffee and lunch	Exhibition area (Ballrooms, Level 3) and Ground Level, East Wing

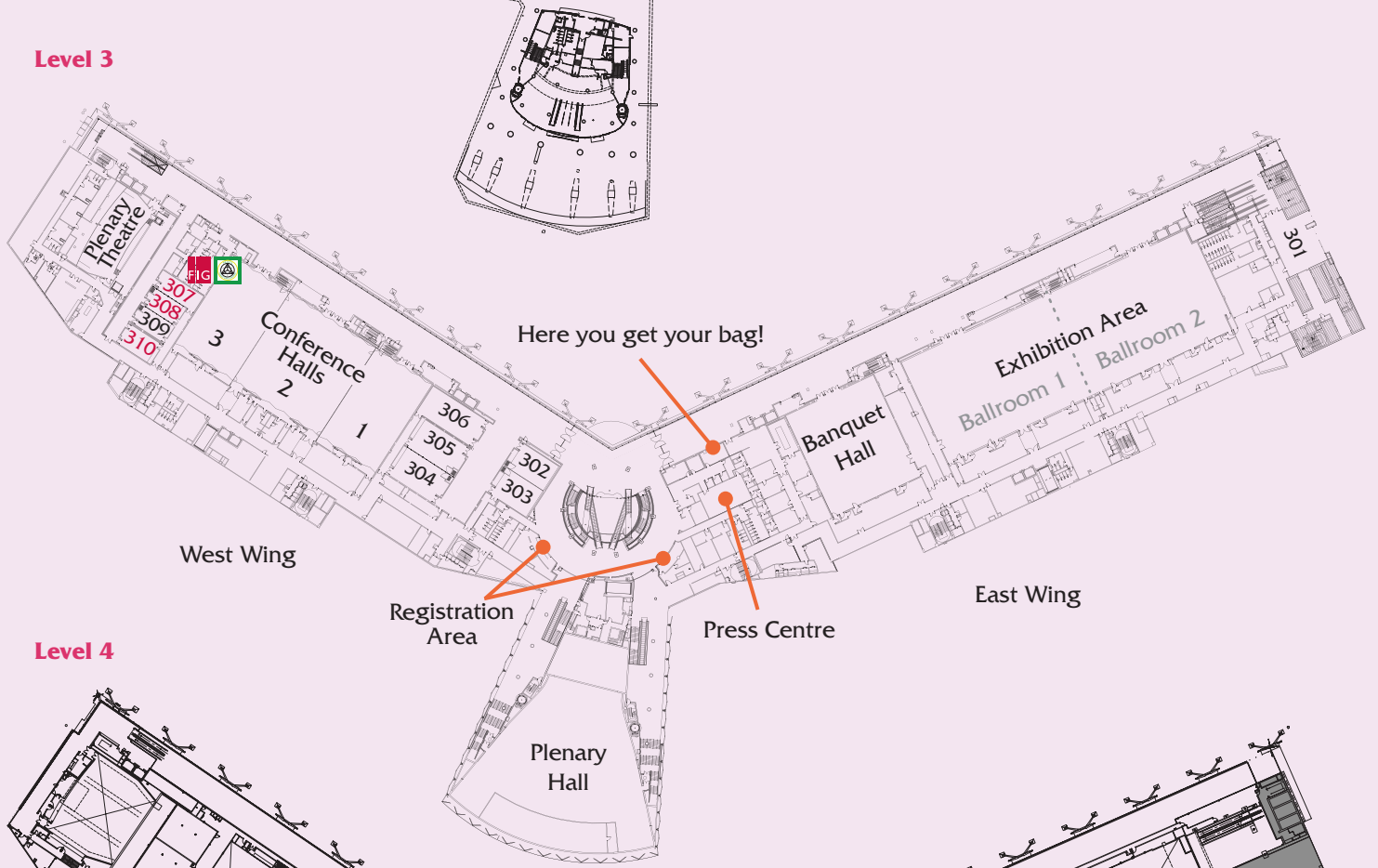




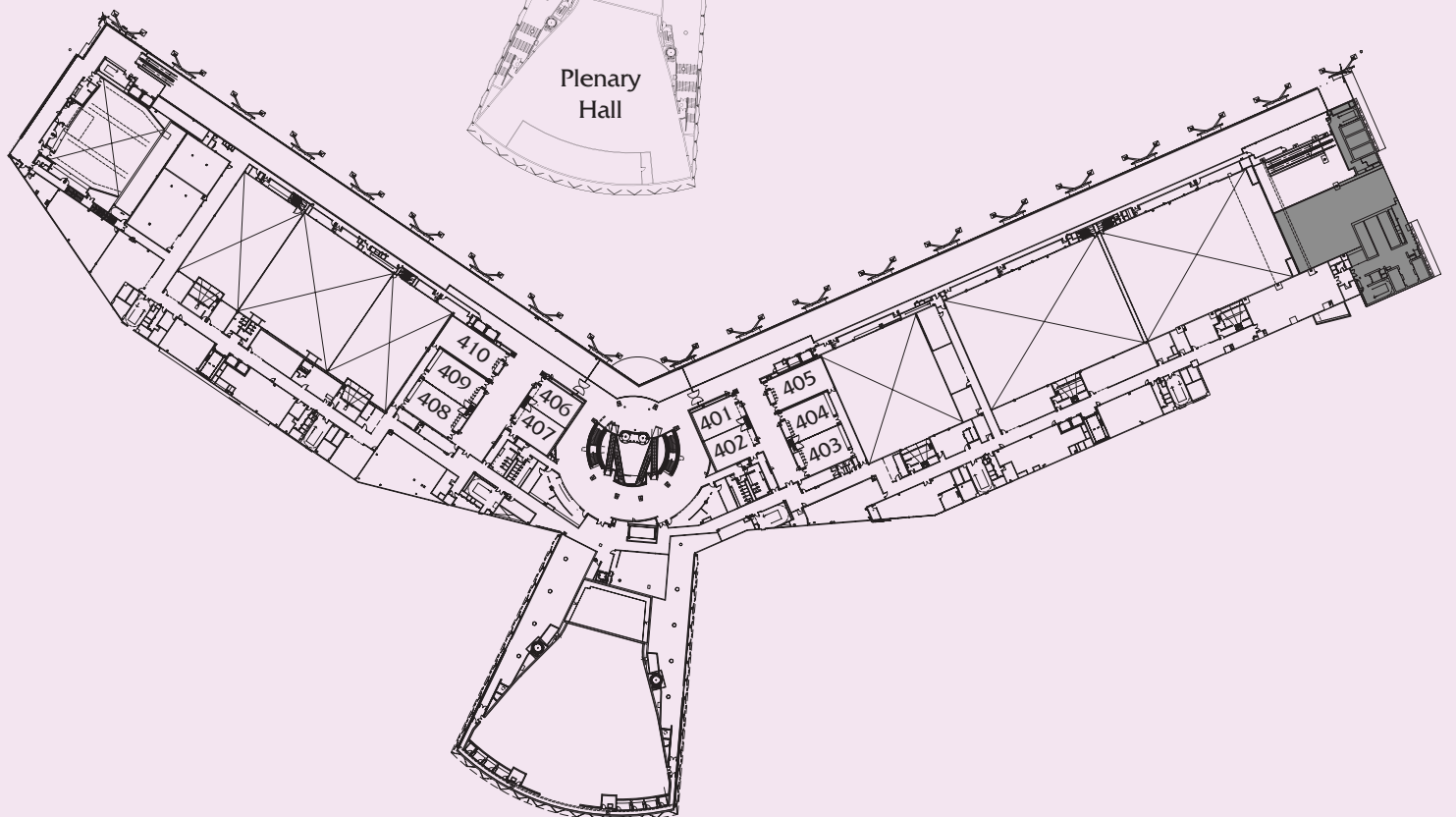
**Ground Level**



**Level 3**



**Level 4**



### Plenary Session 1

**General Focus:** Humanity faces a series of challenges including that of undernourishment, shelter, climate change and economic progress. These challenges are present and the Profession must engage these challenges with its sciences, technologies, knowledge and practices

**Chair:** Prof **Stig Enemark**, Honorary President FIG, DDL, Denmark

*Enhancing Trade in Professional Services and Malaysia's National Economic Transformation Programme for Shared Progress and Prosperity* by Hon. **Dato' Sri Mustapa Mohamed**, Minister of International Trade and Industry, Malaysia



Mr. Mustapa Mohamed (born 25<sup>th</sup> of September 1950) is the Minister of International Trade and Industry, Malaysia. He represents Jeli, Kelantan as its Member of Parliament – and was first elected in 1995. He was first sworn in as a Senator in 1991.

A graduate with First Class Honours degree in economics from the University of Melbourne, Australia under the Colombo Scholarship, he attained a Masters in Economic Development from the Boston University, America under the Hubert H. Humphrey Fellowship. In 1997, he was awarded an Honorary Doctor of Commerce by the University of Melbourne, Australia and an Honorary Degree of Law by the University of Nottingham, United Kingdom in 2005. He was also awarded an Honorary Fellow of the National Institute of Public Administration (INTAN) in 1997.

He was invited to join the Malaysian Cabinet for the first time in 1995 as the Minister of Entrepreneur Development – a new portfolio entrusted to develop entrepreneurs. He was also appointed as the Finance Minister (II) in 1998. This was a historical appointment as he was the first Malaysian to hold two Ministerial portfolios at the same time. At present, Mustapa is currently helming the Ministry of International Trade and Industry (MITI) for the second term. The agencies under MITI are Malaysia Industrial Development Authority (MIDA), Malaysia External Trade Development Corporation (MATRADE), SME Corporations (SMEDCorp), Small Medium Enterprises Bank (SME Bank), Halal Industry Corporations (HDC), Malaysia Productivity Corporations (MPC), Malaysia Industrial Development Finance (MIDF) and Malaysia Automotive Institute (MAI).

Mustapa Mohamed authored several books on Malaysian economic policies and politics. He is married to Khamarzan Ahmed Meah and blessed with 4 children.

*Global Geospatial Information Management for the World We Want* by Mr. **Gregory Scott**, GGIM Advisor, Statistics Division, United Nations Department of Economic and Social Affairs, United States



Greg Scott is the UN's Inter-Regional Advisor on Global Geospatial Information Management for the recently established United Nations initiative on Global Geospatial Information Management (UN-GGIM), an inter-governmental mechanism created by the Economic and Social Council (ECOSOC) in July 2011. Greg provides high level strategic policy

advice and leadership in the coordination and implementation of UN-GGIM initiatives, particularly with the Member States and related International Organisations involved in national, regional and global geospatial information management. He is responsible for developing the substantive content for the UN-GGIM Committee of Experts, the UN-GGIM High Level Forum's, international technical capacity development workshops, and other international fora.

Greg possesses formal qualifications in cartography and survey mapping, has a Graduate Diploma in Geography from the Australian National University, and has a strong spatial analysis and modelling background.

*People to Land Relationships, Land Indicators and Land Tools towards "Realizing the Future We Want for all"* by Dr. **Clarissa Augustinus**, Head Land and Global Land Tool Network, Urban Legislation, Land and Governance Branch, UN-Habitat



Clarissa Augustinus is founder and Lead on the Global Land Tool Network, a network of over 60 international partners (2004 – to date) and Unit Leader of Land and Global Land Tool Network, UN-Habitat based in Nairobi, Kenya (2003 – to date). She is the focal point for urban land in the

United Nations system.

Ms. Augustinus holds a Ph.D. in Social Anthropology from Rhodes University (South Africa) on the conversion of land from tribal to informal settlement and a change model of Zulu tenure (1995). She is a senior lecturer in the Department of Land Surveying in the School of Engineering, Surveying and Construction at the University of KwaZulu Natal with focus on land management and cadastral reform (1994–2000).

She is involved with a wide range of consultancies at global, regional and country level for a wide range of governments and organisations on range of issues associated with land.

Moreover she is the author of a number of journal publications in pro poor land management.

### Plenary Session 2

**General Focus:** The Profession has key roles towards the betterment of society, environment and economy and need to attend to emerging issues and trends.

**Chair:** Dato' Dr. **Sallehuddin Ishak**, Deputy Director General I, Department of Lands and Mines Malaysia

*Supporting the Responsible Governance of Tenure of Land, Fisheries and Forestry* by Mr. **Paul Munro-Faure**, Deputy Director, Climate, Energy and Tenure Division, Natural Resources Management and Environment Department, Food and Agriculture Organization of the United Nations, Italy



Paul Munro-Faure has led FAO's tenure team since 2000. He is the Deputy Director of the Climate, Energy and Tenure Division of the Food and Agriculture Organization (FAO) based in Rome. He has qualifications in land economy, rural planning and land management, with extensive

practical experience in the agricultural and urban sectors in the developed market economies, in the transitional economies of Central and Eastern Europe and the CIS, in the Asia/Pacific region and in Africa. He is co-chair of the recently formed FAO Task Force on the Voluntary Guidelines on the Responsible Governance of Tenure.

*The Post-2015 Global Development Agenda: World Bank Support for Land Governance and Fit-for-Purpose Land Administration* by

**Keith C Bell & Klaus Deininger**



Mr. Keith Clifford Bell is a Lead Economist in the World Bank Group, United States. He joined the World Bank in 2003 where he leads land programmes throughout East Asia. In addition, he works in fragile and conflict states in Asia, the Middle East and Latin America. Prior to the Bank, he worked for more than 25 years in the public and private sectors in Australia. He was the Surveyor-General of the Australian State of Victoria until 2003. Earlier appointments included heading the land information agency in Canberra, national mapping and Secretary to the Australia New Zealand Land Information Council. He is a licensed surveyor and professional engineer and spent his early professional career in the exploration industry, hydrography, port development, railways and land development. In addition he has continued army service comprising full-time, reserve and stand-by service for more than three decades.



Mr. Klaus Deininger is a Lead Economist in the World Bank's the Development Economics Group. His work focuses on income and asset inequality, land tenure and governance. In this context, he is involved in design, evaluation, and analysis of innovative programmes to secure land rights and improve the functioning of factor markets and productivity all over the world. He published more than 50 journal articles and is the lead author of a number of books, including the report on 'Rising Global Interest in Farmland' on global land acquisition and 'The land governance framework' and is the lead organiser of the Bank's Annual Conference on Land and Poverty. He has a Ph.D. in Applied Economics from the University of Minnesota, an MA in Agricultural Economics from the University of Berlin, and an MA in theology from the University of Bonn.

*Opportunities & Challenges for the Surveying Industry in a Multi-System GNSS World* by Prof. **Chris Rizos**, President, International Association of Geodesy, Australia



Chris Rizos is Professor of Geodesy and Navigation, School of Civil & Environmental Engineering, the University of New South Wales, Sydney, Australia. Chris is President of the International Association of Geodesy (IAG), a member of the Executive and Governing Board of the International GNSS Service (IGS), and co-chair of the Multi-GNSS Asia Steering Committee. Chris is a Fellow of the IAG, a Fellow of the Australian Institute of Navigation, a Fellow of the U.S. Institute of Navigation, and an honorary professor of Wuhan University, China. Chris has been researching the technology and applications

of GPS since 1985, and is an author/co-author of over 600 journal and conference papers.

### Plenary Session 3

**General Focus:** The Profession has key roles towards the betterment of society, environment and economy and must continue its march to the top, towards professional significance and relevance.

**Chair:** Mr. **Robert Foster**, Honorary President FIG, NSPS, USA

*Better investor confidence and increased property market stability with International Property Measurement Standards* by Mr. **Ben Elder**, IPMS Coalition, United Kingdom, BA BSc FRICS ACI Arb – RICS Global Director of Valuation at the RICS



Ben is responsible for delivery of the RICS Global Valuation Strategy which has a key role to play in securing global financial stability through participation by the RICS in the development and application of International Standards. Ben is well qualified for this role as an Economist and a Chartered Surveyor and he has a particular interest in the interface of the economy and property markets.

Ben's has been a practising valuer and a respected academic holding senior positions at Nottingham Trent University and The College of Estate Management. In recognition of Ben's international expertise Ben has been appointed to The Global Advisory Forum for The Appraisal Foundation in the USA as well as the Advisory Forum Executive to the International Valuation Standards Council and is a co-opted executive to the United Nations ECE Real Estate Management Advisory Group.

*Sustaining the Profession and enhancing its significance and relevance* by Mr. **Jean-Yves Pirlot**, President, Comité de Liaison des Géomètres Européens (CLGE), Belgium



Jean-Yves Pirlot is since September 2011 Co-Chair of the Standing Committee on Geographic Information in Antarctica (part of the Scientific Committee on Antarctic Research. Since April 2011, Chair of the Working Group of the Mapping and Cadastral Agencies of the Grande Région (composed by following regions: Grand Duché de Luxembourg, Saarland, Rheinland Pfalz, Wallonie). Since October 2010, President of the Ordre Belge des Géomètres-Experts asbl (OBGE asbl). Since September 2010, President of the Council of European Surveyors (CLGE). Since June 2010, President of AM/FM-GIS BELUX asbl. Since June 2009, Board Member of Euromut, a Belgian Health Insurance Company and since January 2009, President of the Belgian Union of Land Surveyors (Union belge des Géomètres-Experts – UBG). From 1989 to 1991 Jean-Yves was a Geodetic Surveyor. From 1998 to 2000, Diplôme inter-universitaire d'études spécialisées (DES) en cartographie et télédétection (Université libre de Bruxelles, Université de Liège, Université



catholique de Louvain) – i.e. a master in Cartography and Remote Sensing. From 2008 to 2010: Executive Master in Public Management (EMMP – Solvay, Business School, Brussels).

*Geospatial information for crisis management and national development* by Mr. **Ahmad Fauzi Nordin**, Director General, Department of Survey and Mapping Malaysia



Mr. Ahmad Fauzi Nordin is currently the Director-General of the Department of Survey and Mapping Malaysia. He is a qualified land surveyor who additionally serves as the Chairman of the Licensed Land Surveyors Board, Malaysia. He has experiences in both cadastral survey and mapping systems, serving in various capacities in both areas during his more than 34 years tenure with the Department of Survey and Mapping, Malaysia. He is also a Past President and Fellow of the Royal Institution of Surveyors Malaysia (RISM) as well as the current Vice Chair of Working Group 3 of the Regional Committee of the United Nations Global Geospatial Information Management for Asia and the Pacific (RC-UNGGIM-AP).

## Plenary Session 4

**General Focus:** “The Post-2015 Development Agenda, the successor to the Millennium Development Goals is on the horizon. The session will consider professional responsibilities, information management and land (and the seas) governance to lead humanity towards ‘Realizing the Future We Want for All’”.

**Chair:** Sr **Mohammad Azmi Mohd Zin**, President AALSM, Malaysia

*Professional Responsibilities and Shared Ethical Principles for Global Geospatial Information Management* by Dr. **Vanessa Lawrence**, Secretary General, United Kingdom



Dr Vanessa Lawrence CB, HonFREng, FRGS, FRICS, FCInstCES, CCMI, CGeog, is the Secretary General of Ordnance Survey International, which is the international part of Great Britain’s national mapping authority. Vanessa was, from 2000 to 2014, the Director General and Chief Executive of Ordnance Survey and the adviser to the British Government on mapping, surveying and geographic information. She was the longest-serving Director General since 1875 and she was the first woman to hold the post.

Dr Lawrence received her business training from the publishing company Pearson plc. and then moved to developing, for Pearson, a successful start-up new technology business; prior to joining Ordnance Survey in September 2000, she held senior positions with international software company Autodesk Inc.

In the New Year’s Honours of 2008 she was appointed by Her Majesty the Queen as a Companion of The Most Honourable Order of the Bath (CB).

Among her many external positions, she is currently the Co-Chair of the United Nations Committee of Experts on Global Geospatial Information Management, the Honorary Vice-President of The Geographical Association and a member of the Council of the Royal Geographical Society, the Honorary Colonel of 135 Independent Geographic Squadron, Royal Engineers as well as being a Visiting Professor at the University of Southampton and at Kingston University.

*Hydrography, Nautical Charts, Marine Spatial Data Infrastructure and Blue Economy for the “World We Want”* by Mr. **Mustafa Iptes**, Director, International Hydrographic Organization, Monaco



Rear Admiral (Ret) Mustafa Iptes (Oceanography BS, National Recourse Strategy MSc) served 30 years and retired from the Turkish Navy in 2011. In the last two decades, he has actively been involved in the maritime safety/security/policy and research activities, as well as hydrography, oceanography, marine environment. He served as Hydrographer of Turkey (Director of Turkish Navigation, Hydrography and Oceanography Office) between 2006–2010 and the Chairman of the Mediterranean and Black Seas Hydrographic Commission (MBSHC) between 2009–2010. RAdm. Iptes was elected as the Director in 2012 and he has currently served as Director of the IHO.

*Population growth, climate variabilities and environmental vulnerabilities in Asia and the Pacific and “Realizing the Future We Want for All”* by Mr. **Donovan Storey** (invited), Chief, Social, Policy and Population Section, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), Thailand



Donovan Storey is chief of social policy and population, Social Development Division, UNESCAP. His responsibilities lie in programmes on social protection, migration, population, and aging. He was previously an academic specialising in development management, social development and urban governance at the University of Queensland, Australia. Prior to this position, he worked in New Zealand and Fiji as a development specialist focusing on the Pacific Islands and Southeast Asia. Mr. Storey obtained a Ph.D. in development studies in New Zealand.



# High-Precision Positioning



### 2014 FIG Director Generals Forum

**Date:** Tuesday 17 June 9:00–10:45 and 11:30–13:00,

Wednesday 18 June 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

#### By invitation only

The Annual FIG Director Generals Forum brings together Chief Executives or Director Generals (or their representatives or nominees) of national (or provincial) agencies and FIG Affiliate Membership that has responsibility over mapping, cadastral, valuation, planning and development, land administration and management from around the world. The Forum allows peer-to-peer engagement to address the challenges and opportunities of the times including the responsibility of national agencies to stay relevant and effective within its jurisdiction. The Forum will also seek approaches to secure, support, sustain and safeguard land and property rights for all, draw upon appropriate experiences and good practices to further improved efficiency and better governance within the land sector. Enhancing effectiveness of land sector agencies is necessary at the onset of the Post-2015 Development Agenda.

*This forum is supported by UN-Habitat-GLTN.*

### 2014 FIG Member Associations Forum

**Date:** Tuesday 17 June 9:00–10:45 and 11:30–13:00

**Venue:** KLCC

#### By invitation only

The 2014 FIG Member Associations Forum provides national leaders of our Profession the opportunity for peer-to-peer engagement to exchange share and discuss current and in-country challenges and opportunities facing the Profession. Presidents, Chairpersons, Heads of Delegations (or their representatives) representing FIG Member Associations at the 37<sup>th</sup> FIG General Assembly can interact and exchange experiences, initiatives and programmes that aimed at uplifting professional stature and standing, and allowing the Profession to enhance its significance and relevance within its jurisdiction. The President of the host association, the Association of Authorised Land Surveyors Malaysia, will chair the Forum.

### 2014 FIG Academic Members Forum

**Date:** Wednesday 18 June 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

#### By invitation only

The 2014 FIG Academic Members Forum is the platform within the XXV FIG Congress where the Academic Members of FIG and other academicians gather to discuss about academic responsibilities and prepare actions. This

year's Forum will focus on how the Voluntary Guidelines can be implanted into professional education and curriculum development, and in research and knowledge sharing. The Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security promote secure tenure rights and equitable access to land, fisheries and forests as a means of eradicating hunger and poverty, supporting sustainable development and enhancing the environment.

*This forum is supported by FAO.*

### 2014 FIG Corporate Members Meeting

**Date:** Thursday 19 June 16:30–18:00

**Venue:** KLCC

#### By invitation only

The 2014 FIG Corporate Members Meeting is where the corporate membership within FIG meets the FIG Administration to exchange information, provide feedbacks and discuss on-going and proposed activities.

### FIG/UN-Habitat-GLTN Joint Technical Session on Improving Women's Access to Land and Property

**Date:** Tuesday 17 June 11:30–13:00

**Venue:** KLCC

The need for inclusive approaches to land administration and management needs to take into account gender dimensions. There are on-going efforts to reduce the barriers related to women's access to land and property. These include reviews and revisions of relevant policies and regulatory framework while also addressing issues related to economic, social and cultural norms. These initiatives challenge existing perceptions that there are no gender inequities in land administration and management. This Session seeks to review initiatives on addressing women's access to land and property and FIG's intention for a "women professional" network and proposing innovative approaches.

*This joint session is supported by FAO.*

### FIG/UN-Habitat-GLTN Joint Technical Session on Valuation of Unregistered Land (VaLURL)

**Date:** Wednesday 18 June 11:30–13:00

**Venue:** KLCC

There is general consensus that about seventy percent (70%) of land ownership units in developing countries are not formally registered and the initiatives for land registration have yet to deliver the desired results. This adversely affects owners of unregistered land, who in most cases are the disadvantaged groups and cannot access valuation services. This session will discuss appropriate approaches and



initiatives to support the valuation of unregistered land and properties and the need to develop a tool or methodology to address this gap. The development of this tool or methodology needs to be participatory and inclusive and will require a lot of inputs from various stakeholders including land professionals.

### **FIG/FAO Roundtable on VGGT and Valuation Standards**

**Date:** Thursday 19 June 11:30–13:00

**Venue:** KLCC

The Round Table will focus on the need for valuation, valuation standards and what needs to be standardised. There will be short scene-setting presentations by each of the invited Round Table members, open discussions and interactions coupled with reflection around the focus of the roundtable and how the surveying profession, in particular valuation professionals, can best leverage on the VGGT in assisting its global service and ethical standards.

### **FIG/UN-Habitat-GLTN Joint Technical Session on Cost and Financing Land Administration Systems (CoFLAS)**

**Date:** Thursday 19 June 11:30–13:00

**Venue:** KLCC

GLTN's CoFLAS initiative aims to provide a useful and practical tool whereby the costing and financing of land administration services in developing countries can be reformed, revitalised or updated to enabling the agencies involved in providing cost effective, efficient, sustainable and affordable services. There are significant economic and social benefits for ensuring an effective, efficient and inclusive land administration system.

### **FIG/FAO Special Session on the Implementation of VGGT**

**Date:** Thursday 19 June 14:30–16:00

**Venue:** KLCC

The global community has endorsed the Voluntary Guidelines, the UN General Assembly has twice encouraged member countries to implement the VGGT and several international organisations have formally taken the VGGT on board. Similarly, FIG embraces the VGGT and thus its membership has a responsibility to support its implementation. This special session will be a dynamic and interactive session where the facilitator and the audience will engage, question and interact with invited panellist on the implementation of the VGGT by FIG's global professional community.

*This is a FAO/FIG joint session.*

### **FIG/UN-Habitat-GLTN Joint Technical Session on the Surveying Profession and Grassroots-led Initiatives**

**Date:** Thursday 19 June 16:30–18:00

**Venue:** KLCC

This session hopes to discuss and redefine the role of surveying professionals vis-à-vis grassroots-led initiatives amongst the poor and vulnerable communities thereby emphasising their role in changing the mindset that surveying services is only available to the elite. The session is to be interactive, co-organised by FIG and GLTN in partnership with civil society organisations from Slum Dwellers International, International Land Coalition and Huairou Commission. The hope is to highlight the value of engaging one-another to promote better mutual appreciation and clarifying the catalytic and supporting role the Profession can play in land policy agenda and advocacy to policy makers to ensure comprehension of the grassroots.

### **FIG/UN-Habitat-GLTN Special Session on Social Tenure Domain Model: the Launching of the STDM Source Code**

**Date:** Friday 20 June 11:30–13:00

**Venue:** KLCC

STDM is focused on people – all people and all types of “people-to-land” relationships. STDM began as an initiative to support pro-poor land administration, specifically in countries with very little cadastral coverage, STDM is also relevant in situations where a land rights infrastructure already exists; it supports and supplements existing approaches to enhance existing land administration and management. The releasing of the STDM source codes to the public and in particular to the land professionals and open-source community, the development of the STDM for various purposes and context specific customisation will be accelerated, and where developers including from commercial operations can have complementary tasks.

*This is a UN-Habitat-GLTN/FIG joint session.*

### **FIG Workshop on Regional Land Tenure Initiative for Asia and the Pacific**

**Date:** Friday 20 June 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

The Regional Land Tenure Initiative in Asia Pacific is an attempt to consolidate the regional efforts towards secure tenure and property rights for all particularly for the poor, women and vulnerable groups. The Initiative was launched late last year with GLTN partners in the

region and was highlighted in the Annual World Bank's Land and Poverty Conference in Washington alongside with other regional land initiatives. In partnership with FIG, UN-Habitat, FAO, UNESCAP, World Bank, ILC, Habitat for Humanity and other key partners, the Session will highlight current initiatives and programmes with a view to create a regional platform to share knowledge and further strengthen the collaboration in the sector. The Session will also serve as a call for regional stakeholders, prospective partners and individuals to actively participate in this Initiative in the coming years.

*This session is supported by UNESCAP, UN-Habitat-GLTN, FAO, World Bank, ILC.*

### **FIG/UN-Habitat-GLTN Joint Technical Session on Participatory and Inclusive Land Readjustment (PILaR)**

**Date:** Friday 20 June 16:30–18:00

**Venue:** KLCC

UN-Habitat and GLTN along with key partners have been working on improving the supply of serviced urban land at all levels, redeveloping and densifying dilapidated and sparsely populated urban neighbourhoods, and reducing slums, which have recently been proliferating in cities especially in the developing world at an alarming pace, through a participatory and inclusive method of urbanisation (PILaR). PILaR helps to realise these sustainable urbanisation goals through fair, negotiated and proactive processes based on the fair distribution of burdens and benefits. This session envisages to provide opportunities whereby the tool – PILaR – can be introduced, current developments and future plans in regard to its implementation can be presented and discussed.

### **UN-Habitat/GLTN/FIG YSN Training of Trainers for Social Tenure Domain Model (STDM) Use and Application**

**Date:** 13 June 14:00–17:00, 14–16 June 9:00–17:00

**Venue:** PNB Darby Park

The FIG Young Surveyors Network is, with UN-Habitat Global Land Tool Network and the FIG, hosting a Training of Trainers for Social Tenure Domain Model (STDM) Use and Application. Hosted on 13–16 June, immediately preceding the Congress, the training provides invited young professional and community participants with the skills to run STDM trainings in their own communities. The training involves the theory behind the tool, presenting STDM as a concept and 'way of thinking' – and the basics of STDM implementation, utilising open source GIS.

### **French Speaking Sessions**

**Date:** Wednesday 18 June 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

As per tradition two sessions for Francophone participants are planned.

*Supported by UN-Habitat/GLTN.*

### **FIG/World Bank: Fit-for-Purpose/Pro-Poor Land Management**

**Date:** Wednesday 18 June 11:30–13:00

**Venue:** KLCC

The FIG publication on Fit-for-Purpose Land Administration will be launched.

### **Standard Networks / Roundtable**

**Date:** Wednesday 18 June 11:30–13:00

**Venue:** KLCC

The Standards Network is responsible for building and maintaining relations with the different standardisation bodies, proposing priorities on FIG's standardisation activities and ensuring information flow on standardisation to FIG members. One of the principal ways these goals are accomplished is through a Standards Network meeting held during FIG working weeks and congresses.

### **Innovative Land Administration Systems. Well-Functioning Cadastral Systems – Examples from the Nordic Countries**

**Date:** Wednesday 18 June 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

### **UN-Habitat/GLTN/Kadaster: Operationalisation of the Continuum of Land Rights and STDM Country Level Implementation**

**Date:** Thursday 19 June 9:00–18:00

**Venue:** KLCC

**By invitation only**

A one day workshop.

### **IPMS Roundtable Session**

**Date:** Thursday 19 June 11:30–13:00

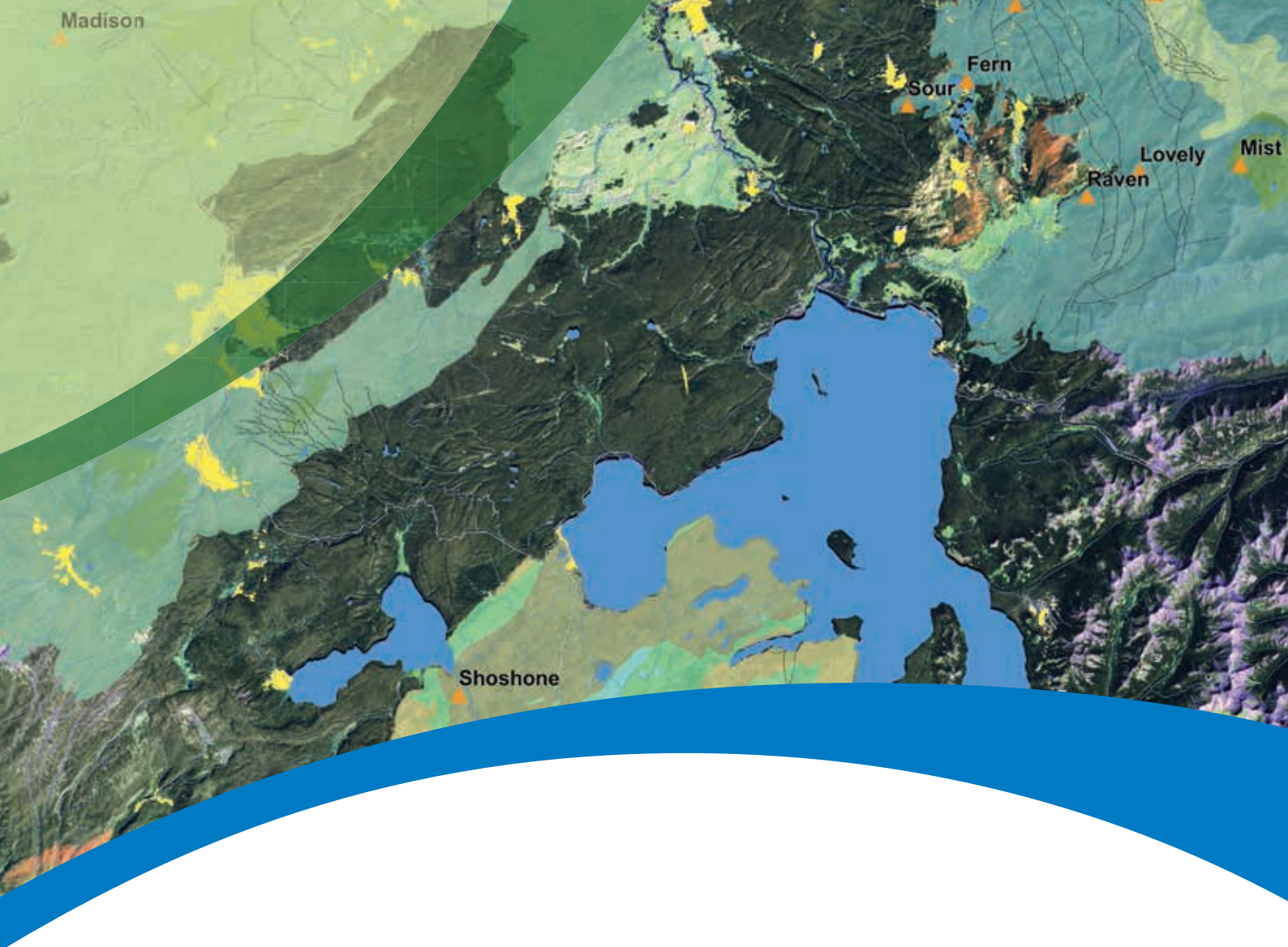
**Venue:** KLCC

### **Cadastre 2014 – From Vision to Practice and Beyond**

**Date:** Thursday 19 June 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

With translations into some 25 languages, the *Cadastre 2014* publication of FIG-Commission 7 went far beyond of what was expected in the beginning. The sessions look



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back again at the original statements and what the developments since its publication in 1998 have been.

### **Joint FIG Commission 5 / UN-GGIM-AP Sessions on Global Geodetic Reference Frame and CORS**

**Date:** Thursday 19 June 11:30–13:00, 14:30–16:00 and 16:30–18:00

**Venue:** KLCC

### **Risk Management and Disaster Management. Joint FIG Commission 3 / ASEAN Flag session**

**Date:** Thursday 19 June 11:30–13:00

**Venue:** KLCC

### **Disaster and Environmental Management. Joint FIG Commission 8 / ASEAN Flag Session**

**Date:** Thursday 19 June 14:30–16:00

**Venue:** KLCC

### **FIG Task Forces**

The FIG Council establishes Task Forces to research and to advise on matters of an administrative or of a general policy nature.

FIG Task Forces have planned sessions to discuss the development and challenges within their specific areas.

#### **Task Force on Surveyors and the Climate Change**

**Date:** Tuesday 17 June 9:00–10:45

**Venue:** KLCC

#### **Africa Task Force**

**Date:** Thursday 19 June 8:00–9:00

**Venue:** KLCC

#### **Task Force on Property and Housing**

**Date:** Friday 20 June 14:30–16:00

**Venue:** KLCC

## **Technical Tours**

A number of attractive and informative Technical Tours have been organised to complement the congress experience. These tours will visit sites and organisations of particular interest to congress delegates.

Technical Tours are available to delegates and in case these tours will not be fully subscribed at the time of the Congress, places are offered to all interested participants. Please visit the Registration Desk for additional tickets.

The Technical Tours Meeting Point will be located at the Main Entrance on Ground Level of the Convention Centre 10 minutes prior to departure time.

### **TT1 – Perbadanan Putrajaya (Putrajaya Corporation)**

**Date:** Wednesday, 18 June 14:00–19:00 (~ 5 hours)

**Cost:** 30 EUR

Putrajaya, located 25 km south of Kuala Lumpur serves as the federal administrative centre of Malaysia and is managed by Putrajaya Corporation. Putrajaya is being developed as a City in a Garden. Being located within the Multimedia Super Corridor, and in line with the Government's e-Government initiative, Putrajaya is being developed as an intelligent city. During the visit, participants will be briefed on the operation of Putrajaya Corporation and given the opportunity to visit the Floral Show (Floria).

### **TT2 – National Valuation Institute (INSPEN)**

**Date:** Wednesday 18 June 14:00–18:00 (~ 4 hours)

**Cost:** 30 EUR

INSPEN is a training and research institute under the Department of Valuation and Property Management Malaysia (DVPMM) set up to provide capacity building for government valuers and the property industry. Its main training Campus is located in Bangi, Selangor about 27km from Kuala Lumpur City Centre. Participants will be briefed on the activities carried out by INSPEN and DVPMM.

### **TT3 and TT4 – Mass Rapid Transit (MRT)**

**Date:** Wednesday 18 and Thursday 19 June 14:00–18:00 (~ 4 hours)

**Cost:** 30 EUR

MY Rapid Transit (also known as Klang Valley Mass Transit or MRT) is a proposed 3-line mass rapid transit system in the Greater Kuala Lumpur conurbation which envisages a 'Wheel and Spoke' concept comprising two northeast – southwest radial lines and one circle line looping around Kuala Lumpur city. The MRT project will not only significantly increase the current inadequate rail network but will also serve to integrate the existing rail networks and expectantly alleviate the severe traffic congestion in Great-

er Kuala Lumpur metropolitan area. During the visit, participants will be briefed on the MRT project.

### **TT5 – Storm-Water Management and Road Tunnel (SMART Tunnel)**

**Date:** Thursday 19 June 14:00–18:00 (~ 4 hours)

**Cost:** 30 EUR

The SMART tunnel is a flood mitigation infrastructure able to divert large volumes of flood water from entering a critical flood prone stretch in Kuala Lumpur via a holding pond, bypass tunnel and storage reservoir. This will reduce water level during flood during heavy raining, preventing spillover. The tunnel was incepted, primarily to mitigate the recurring floods in the city of Kuala Lumpur, the financial, business and commercial hub of Malaysia. During the visit, participants will be briefed on the operation of SMART Tunnel.

### **TT6 – Malaysian Centre for Geospatial Data Infrastructure (MACGDI)**

**Date:** Thursday 19 June 14:00–18:00 (~ 4 hours)

**Cost:** 30 EUR

MaCGDI is an entity established to manage and promote the development of geospatial data infrastructure for Malaysia (MyGDI). MaCGDI is also responsible for coordinating access and delivery of the geographic information held by all government agencies. The scope of duty of MaCGDI is to carry out the development of geospatial data infrastructure encompassing policies, standards, technology, rules, law, safety and support for data preparation in agencies at Federal, State, and Local Authorities levels. During the visit, participants will be briefed on the activities of MaCGDI.

### **TT7 – Department Of Survey And Mapping Malaysia**

**Date:** Friday 20 June 14:30–18:30 (~ 4 hours)

**Cost:** 30 EUR

The Department of Survey and Mapping Malaysia or better known as JUPEM is responsible for spearheading national development and advises the Malaysian Government in the surveying and mapping matters, while undertaking surveying and mapping works (cadastral surveys, topographical mapping, thematic mapping, underground utility mapping and boundary demarcation) which form the foundation of basic socio-economic development and national sovereignty. Participants will be briefed on the activities carried out by JUPEM.





## Programme at a Glance

						Tuesday 9:00–19:00
Time	Friday 13 June	Saturday 14 June	Sunday 15 June	Monday 16 June	Tuesday 17 June	
8:00			Registration opens at 13:00	Registration (8:00–18:00)	Registration (8:00–18:00) Comm. 1–5 Annual Meetings	
9:00		Council Meeting	ACCO Meeting Current and new chairs	FIG General Assembly Session 1	15 parallel Technical Sessions, Special Sessions and Forums A, B, C, D	
10:00						
11:00						
12:00						
13:00						
13:00	Lunch 13:00–14:00	Lunch 13:00–14:00	Lunch 13:00–14:00	Lunch 13:00–14:00	Lunch 13:00–14:30	
14:00	UN-Habitat/GLTN/FIG YSN Training of Trainers for Social Tenure Domain Model (STDM) – PNB Darby Park	Council Meeting	ACCO Meeting New chairs	FIG General Assembly Session 1	Opening Ceremony	
15:00						
16:00						
17:00						
18:00						
19:00				Welcome Reception		
20:00						
21:00			Council and ACCO Dinner		Malaysian Evening/ Foundation Dinner 20:00–23:00	

### Joint Sessions and Forums:

- A 2014 FIG Director Generals Forum (by invitation): Tuesday 17 June 9:00–10:45 and 11:30–13:00, Wednesday 18 June 14:30–16:00 and 16:30–18:00
- B 2014 FIG Member Associations' Forum (by invitation): Tuesday 17 June 9:00–10:45 and 11:30–13:00
- C Task Force on Surveyors and the Climate Change: Tuesday 17 June 9:00–10:45
- D 2<sup>nd</sup> FIG Young Surveyors Conference: Tuesday 17 – Thursday 19 June 9:00–18:00
- E FIG/UN-Habitat-GLTN Joint Technical Session on Improving Women's Access to Land and Property: Tuesday 17 June 11:30–13:00
- F Special Carbon Offset Programme – Let's Meet & Green: Wednesday 18 June 11:00–14:00
- G FIG/UN-Habitat-GLTN Joint Technical Session on Valuation of Unregistered Land (ValURL): Wednesday 18 May 11:30–13:00
- H FIG/World Bank: Fit-for-Purpose/Pro-Poor Land Management: Wednesday 18 June 11:30–13:00
- I Standards Networks / Roundtable: Wednesday 18 June 11:30–13:00
- J 2014 FIG Academic Members Forum (by invitation): Wednesday 18 June 14:30–16:00 and 16:30–18:00

- K French Speaking Sessions: Wednesday 18 June 14:30–16:00 and 16:30–18:00
- L Innovative Land Administration Systems. Well-Functioning Cadastral Systems – Examples from the Nordic Countries: Wednesday 18 June 14:30–16:00 and 16:30–18:00
- M Africa Task Force: Thursday 19 June 8:00–9:00
- N UN-Habitat/GLTN/Kadaster: Operationalisation of the Continuum of Land Rights and STDM Country Level Implementation: Thursday (by invitation) 19 June 9:00–18:00
- O FIG/FAO Roundtable on VGGT and Valuation Standards: Thursday 19 June 11:30–13:00
- P FIG/UN-Habitat-GLTN Joint Technical Session on Cost and Financing Land Administration Systems (CoFLAS): Thursday 19 June 11:30–13:00
- Q IPMS Roundtable Session: Thursday 19 June 11:30–13:00
- R Joint FIG Commission 5 / UN-GGIM-AP Sessions on Global Geodetic Reference Frame and CORS: Thursday 19 June 11:30–13:00, 14:30–16:00 and 16:30–18:00
- S Risk Management and Disaster Management. Joint FIG Commission 3 / ASEAN Flag session: Thursday 19 June 11:30–13:00
- T Disaster and Environmental Management. Joint FIG Commission 8 / ASEAN Flag Session: Thursday 19 June 14:30–16:00.

<b>Exhibition</b>		Wednesday 9:00–19:00		Thursday 9:00–16:30			
<b>Wednesday 18 June</b>	<b>Thursday 19 June</b>	<b>Friday 20 June</b>		<b>Saturday 21 June</b>	<b>Sunday 22 June</b>	<b>Time</b>	
Registration (8:00–18:00) Comm. 6–10 Annual Meetings	Registration (8:00–18:00) M	Registration (8:00–16:00)				<b>8:00</b>	
Plenary Session 2	Plenary Session 3 N	Plenary Session 4 Y		FIG General Assembly Session 2	Council Meeting Current and new Council and new ACCO chairs	<b>9:00</b>	
				Tea/Coffee Break 10:30–11:30	Tea/Coffee Break 10:30–11:30	<b>10:00</b>	
Tea/Coffee Break (11:00–11:30)	Tea/Coffee Break (11:00–11:30)	Tea/Coffee Break (11:00–11:30)				<b>11:00</b>	
15 parallel Technical Sessions, Special Sessions and Forums D, F, G, H, I	15 parallel Technical Sessions... D, N, O, P, Q, R, S	Opening of 16 <sup>th</sup> ISC 2014 Congress	15 parallel Technical Sessions... Z, AA, AB	UN-GGIM-AP Executive Board Meeting 11:30–18:00	FIG General Assembly Session 2	Council Meeting Current and new Council and new ACCO chairs	<b>12:00</b>
Lunch 13:00–14:30	Lunch 13:00–14:30	Lunch 13:00–14:30		Lunch 13:00–14:00	Lunch 13:00–14:00	<b>13:00</b>	
15 parallel Technical Sessions, Special Sessions and Forums A, D, J, K, L	15 parallel Technical Sessions, Special Sessions and Forums D, N, R, T, U, V	15 parallel Technical Sessions... AB, AC, AD	ASEAN Flag Council Meeting	FIG General Assembly Session 2 and Closing Ceremony	Council Meeting Current and new Council	<b>14:00</b>	
Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break		Farewell Reception – FIG 2015		<b>15:00</b>	
15 parallel Technical Sessions, Special Sessions and Forums A, D, J, K, L	15 parallel Technical Sessions, Special Sessions and Forums D, N, R, V, W, X	15 parallel Technical Sessions, Special Sessions and Forums AB, AC, AE	FIG Presidents' Meeting			<b>16:00</b>	
						<b>17:00</b>	
						<b>18:00</b>	
						<b>19:00</b>	
						<b>20:00</b>	
Commission Dinners	Gala Dinner 19:30–23:30					<b>21:00</b>	

- U** FIG/FAO Special Session on the Implementation of VGGT: Thursday 19 June 14:30–16:00
- V** Cadastre 2014 – From Vision to Practice and Beyond: Thursday 19 June 14:30–16:00 and 16:30–18:00
- W** FIG/UN-Habitat-GLTN Joint Technical Session on the Surveying Profession and Grassroots-led Initiatives: Thursday 19 June 16:30–18:00
- X** 2014 FIG Corporate Members Meeting (by invitation): Thursday 19 June 16:30–18:00
- Y** 1<sup>st</sup> FIG Young Surveyors Asia-Pacific Meeting: Friday 20 June 9:00–18:00
- Z** FIG/UN-Habitat-GLTN Special Session on Social Tenure Domain Model: the Launching of the STDM Source Code: Friday 20 June 11:30–13:00
- AA** Building Information Modeling: Friday 20 June 11:30–13:00
- AB** FIG History Symposium: Friday 20 June 11:30–18:00
- AC** FIG Workshop on Regional Land Tenure Initiative for Asia and the Pacific: Friday 20 June 14:30–16:00 and 16:30–18:00
- AD** Task Force on Property and Housing: Friday 14:30–16:00
- AE** FIG/UN-Habitat-GLTN Joint Technical Session on Participatory and Inclusive Land Readjustment (PiLAR): Friday 20 June 16:30–18:00

#### Technical Tours:

- TT1** – Perbadanan Putrajaya (Putrajaya Corporation)  
– Wednesday, 18 June 14:00–19:00
- TT2** – National Valuation Institute (INSPEN)  
– Wednesday 18 June 14:00–18:00 (~ 4 hours)
- TT3 and TT4** – Mass Rapid Transit (MRT)  
– Wednesday 18 and Thursday 19 June 14:00–18:00
- TT5** – Storm-Water Management and Road Tunnel (SMART Tunnel)  
– Thursday 19 June 14:00–18:00
- TT6** – Malaysian Centre for Geospatial Data Infrastructure (MACGDI)  
– Thursday 19 June 14:00–18:00
- TT7** – Department Of Survey And Mapping Malaysia  
– Friday 20 June 14:30–18:30



## Social Programme

### Welcome Reception

**Time:** Monday 16 June 17:30–19:30

**Venue:** Hall 1, Ground Level East Wing, KLCC

**Dress Code:** Smart casual

**Fee:** Included in the registration fee for delegates with full registration and accompanying persons

The Welcome Reception will be a memorable event with a panoramic garden view from the foyer of the Kuala Lumpur Convention Centre. A warm welcome will be provided with light entertainment, drinks and delicacies of Malaysian cocktail – an ideal start to the congress.

All delegates and registered accompanying persons are invited to attend this Welcome Reception. This is an excellent opportunity to renew old friendships and make new acquaintances.

### Malaysian Evening / Foundation Dinner

**Time:** Tuesday 17 June 20:00–23:00

**Venue:** Hall 1, Ground Level East Wing, KLCC

**Dress Code:** Smart casual

**Fee:** EUR 70 (includes donation to FIG Foundation)

Delegates and participants are invited to dine at the Kuala Lumpur Convention Centre with a panoramic night view of the KLCC Twin Tower serenaded by gamelan (traditional Malay orchestra). Enjoy an enchanting night with sumptuous tailor-made stall concept dinner that emulates hawker style scenario. Experience a brief but enjoyable insight into Malaysia's rich and diverse cultural heritage of batik painting, basket weaving, wood carving, songket weaving, pewter smithing, henna art painting and Chinese calligraphy.

*The FIG Foundation Dinner is partly sponsored by Trimble.*

### Commission Dinners

**Time:** Wednesday 18 June

**Venue:** To be decided by each commission

**Fee:** Individual payment

Details of Commission Dinner are sent to commission delegates from the commission chairs prior to the congress.

### Gala Dinner / Congress Dinner

**Time:** Thursday 19 June 19:30–23:30

**Venue:** Grand Ballroom, Mandarin Oriental Hotel Kuala Lumpur

**Dress code:** Formal or national costume

**Fee:** EUR 90

The Gala Dinner brings together the FIG community to celebrate the 25<sup>th</sup> Anniversary as well as to reflect, mingle, network and unwind. The dinner will include a 10-course Set Menu and Mocktail Drinks. Guests will be entertained by a violin performer, local cultural group and live band. The cultural performance will showcase Malaysian traditional dances and music. The band is well distinguished by its vocal abilities with an original sound of live music.

### FIG Farewell Reception

**Time:** Saturday 21 June 16:00–17:00

**Venue:** Ballroom 2, Level 3 East Wing, KLCC

**Dress code:** Smart casual

After the closing ceremony, all participants are invited to gather for a drink and snacks to conclude the busy week and have a taste of the FIG Working Week 2015, which will take place in Sofia, Bulgaria.



## Social Tours

### ST1 – ST2 – ST3: Visit Historical Malacca

**Date:** 18, 19 and 20 June

**Duration:** 9:30–17:30 (approx. 8 hours)

**Cost:** EUR 63 (including lunch)

See the remnants of Portuguese culture and Dutch influence in the historical city of Malacca, approximately 120 km from Kuala Lumpur. The city has many memories of the past for every visitor to indulge into. The city is also a melting pot of many cultures and traditions that blended into what Malaysians is now.

### ST4 – ST5 – ST6: Kuala Lumpur City & Country Tour

**Date:** 18, 19 and 20 June

**Duration:** 14:00–18:00 (approx. 4 hours)

**Cost:** EUR 47

This tour unveils the beauty and charm of the old and new Kuala Lumpur, Garden City of Lights. A tour encompassing landmarks renowned for centuries and a blend of handicraft, tourists to Malaysia clamour for. See the contrast of the magnificent skyscrapers of colonial days and how Royal Selangor Pewter is processed. The last stop will be at Batik factory to see how another of Malaysia's gift to the world is designed and printed.

### ST7 – ST8 – ST9: Visit to Putrajaya and Agricultural Heritage Park

**Date:** 18, 19 and 20 June

**Duration:** 14:00–18:00 (approx. 4 hours)

**Cost:** EUR 47

Putrajaya is the Heart of the nation's Power and Sovereignty, where most the government ministries are located. Approximately 30 minutes via highway from Kuala Lumpur, the most imposing structure is the pinkish Putra Mosque. The mosque incorporates architectural elements from Turkestan, Kazakhstan and Morocco. The Putra Perdana Complex where the prime minister's office is located, overlooks the mosque. In the tour a stopover at Taman Warisan, an agricultural Heritage Park provides visitors with a living museum for mango, rubber tree, cocoa tree, oil palm, durian, jackfruit and varieties of herbs.

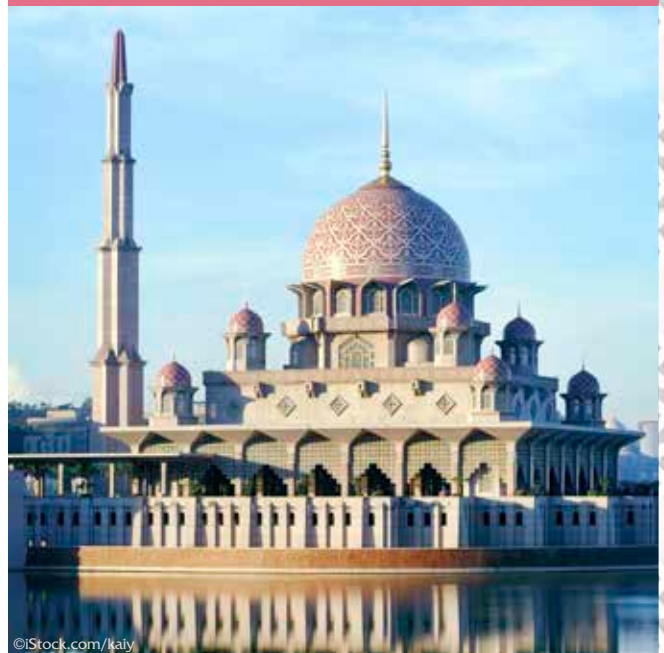
### Golf at Impian Golf and Country Club, Kajang, Selangor Darul Ehsan

**Date:** Sunday, 22 June

**Duration:** 14:00–19:30 (approx. 5 hours 30 minutes)

**Fee:** EUR 100 (including green fees, golf insurance, sharing buggy, as well as running lunch and dinner)

After the closing ceremony, gather for a fun filled golfing session to conclude the busy week with friends!





The background of the top half of the page is a large, abstract image composed of several overlapping, semi-transparent aerial photographs of a city or industrial area. The images are tinted with various shades of blue and green, creating a layered, geometric effect. The shapes of the buildings and roads are visible through the layers.

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For more information about our offerings, visit Leica Geosystems and Hexagon Geospatial at XXV FIG Congress 2014, 16-21 June in Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia.

 [hexagon.com/geospatial](http://hexagon.com/geospatial)  
 [@HexGeospatial](https://twitter.com/HexGeospatial)

## The FIG Foundation – Building a Sustainable Future



### THE FIG FOUNDATION

The *FIG Foundation* is an independent body under the International Federation of Surveyors.

- The Foundation has been established for the purpose of raising funds to finance surveying education development projects and supporting young surveyors in order to build a sustainable future.
- The Foundation funds shall not be used to support the normal activities of FIG.
- The Foundation is administered by the FIG Office in Copenhagen and directed by a Board of five Directors appointed by the FIG Council.
- The Directors of the Foundation will announce every year the scholarships and grants available. The first grants were given in 2002.

The Board of Directors 2011–2014 are: **John Hohol**, President (NSPS, USA), Prof. **Michael Barry** (CIG, Canada), Prof. **Steven Frank** NSPS, United States), Prof. **Chryssy Potsiou** (HARSE/TEE, Greece) and Prof. **Paul van der Molen** (GIN, Netherlands). The Foundation is also proud to acknowledge Trimble Navigation as an FIG Foundation Charter Partner.

### The FIG Foundation – How can I contribute?

Companies, associations, institutions, events, surveyors' groups and individuals may contribute to the Foundation by:

- Donations which will be recognised by a plaque or a certificate of different categories reflecting the sum of donation as follows:
  - platinum plaque 25,000 €
  - gold plaque 10,000 €
  - silver plaque 5,000 €
  - bronze plaque 1,000 €.
- Donations to support specific projects or by offering scholarships. Donors and Benefactors may use the FIG Foundation logo to promote their project donations or scholarships.
- Voluntary donation when registering to FIG events.
- Attending social functions such as the FIG Foundation Dinners held during every FIG Congress and Working Week and other events.

## Young Surveyors Network



The purpose of the Young Surveyors Network is:

- To improve the number of young professionals participating within the FIG.
- To help young professionals in the beginning of their careers with contacts.
- To increase co-operation between the commissions and the students and young professionals network.

The target groups of this working group are Master- and PhD Students, young professionals and commission delegates.

In a time where many of the member organisations are facing difficulties to attract young people to the profession of surveying this working group have been created. The goal is to create connections.

This year FIG Young Surveyors are involved with the planning of the 2<sup>nd</sup> FIG Young Surveyors Conference, UN-Habitat/GLTN/FIG YSN Training of Trainers for Social Tenure Domain Model (STDM) Use and Application and the 1<sup>st</sup> FIG Young Surveyors Asia-Pacific Meeting.



The 2<sup>nd</sup> FIG Young Surveyors Conference takes place at Impiana Hotel next to KL Convention Centre.



## Exhibition

A comprehensive exhibition will run concurrently with the FIG Congress, from 17–19 June 2014 at the Kuala Lumpur Convention Centre, Level 3 (Ballrooms 1 and 2), see floor plans on page 15. This exhibition will showcase the latest and best in surveying and spatial products and services and will be the largest of its kind in the Asia-Pacific Region in 2014.

### Bunga Raya Platform

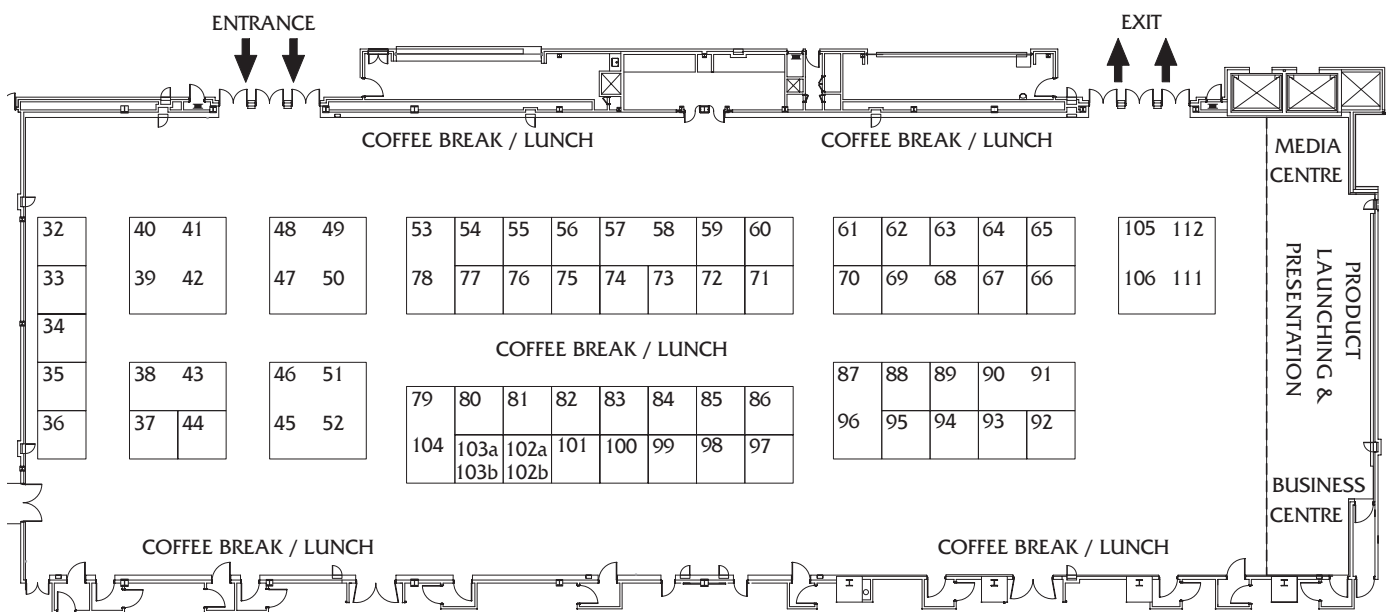
A platform within the exhibition allocated for technical/product presentation and briefing or launching. The ex-

hibitors will be sharing information of interest to the surveying community.

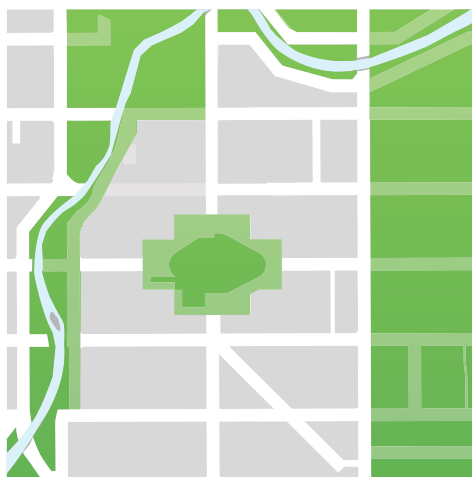
### Opening hours

Tuesday, 17 June	9:00–19:00
Wednesday, 18 June	9:00–19:00
Thursday, 19 June	9:00–16:30

For up-to-date information about the exhibition, please visit [www.fig.net/fig2014/Exhibitors.htm](http://www.fig.net/fig2014/Exhibitors.htm).



# FIG Working Week 2016








































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

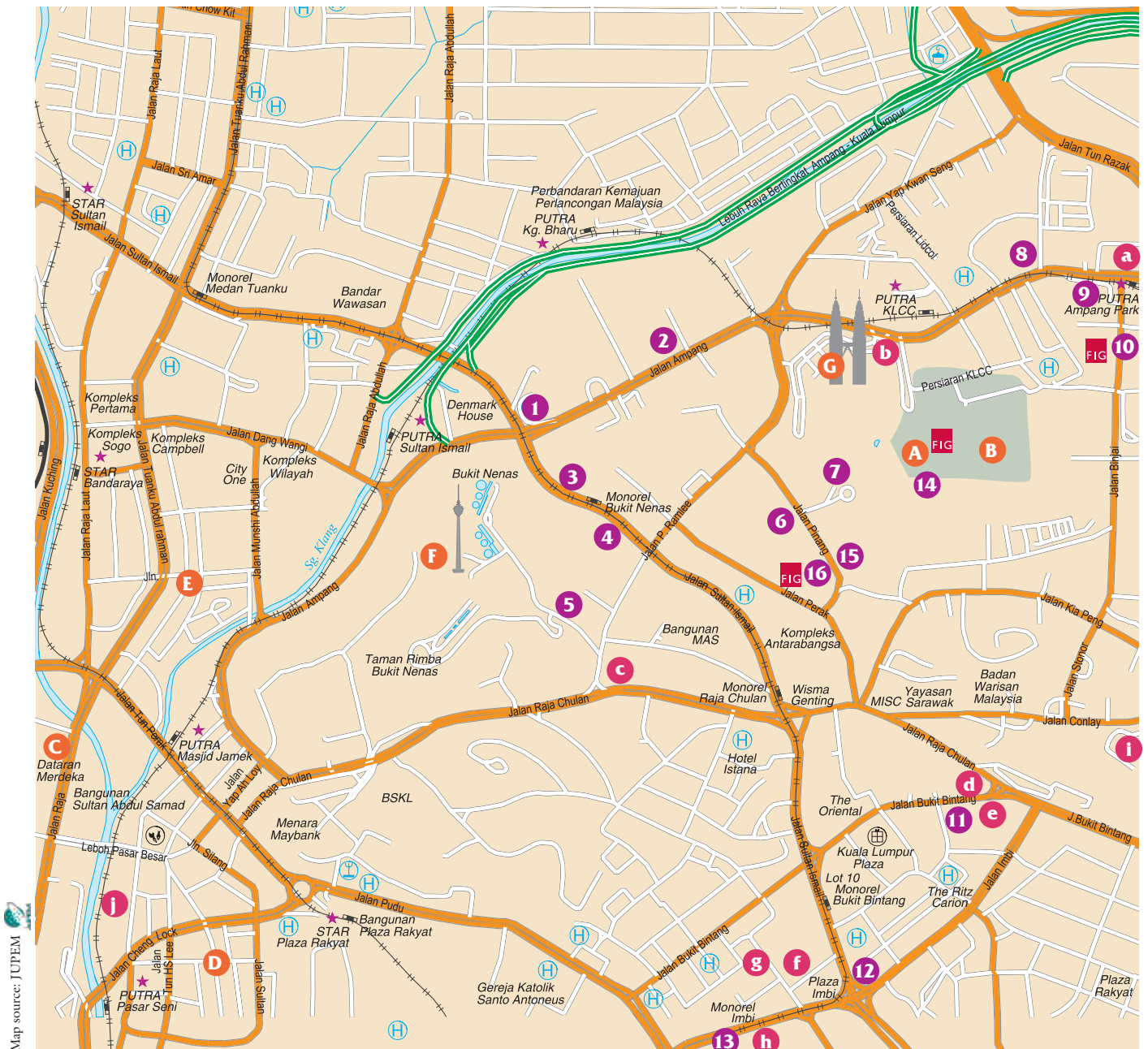


## List of Exhibitors

Booth		Company	Booth		Company
32		RIEGL Laser Measurement Systems GmbH	75		PIX4D
33		Panasonic Toughbook	76		Asian GEOS
34		THS Geoscience Sdn Bhd	77		TL Geohydrographics Sdn Bhd
35		GLTN & UN-Habitat	79, 104		KQ GEO Technologies Co., Ltd
36		Supergeo Technologies Inc.	80		RUIDE & SANDING
37		RD-Palmer (M) Sdn Bnd	81		Strong JP International Sdn Bhd
38, 43		Thomson Reuters	83		senseFly
39-42		ESRI	84		Surmap Sdn Bhd
44		MALÀ Geoscience South East Asia	85		Henry Butcher Malaysia
45-46, 51-52		Leica Geosystems	86		Wuhan Visiontek Inc.
53, 78		Airbus Defence and Space	88		Optech
47-50		Trimble	89		ACA Pacific Technology (M)
54		IDS Corporation	90-91		Map Information Solutions Snd Bhd
55		RDG Supply Sdn Bhd	92		AAM
56		Hurricane Geo Inspection Survey Sdn Bhd	93		Pusat Infrastruktur Data Geospasial Negara (MacGDI)
57-58		E. J. Motiwalla	94		CHC
60		DroneMetrex	95		RICS – Royal Institution of Chartered Surveyors
61		ComNav Technology Ltd.	87, 96		Imagemaps
62		Wawatech Sdn Bhd	97		University of Melbourne
64		RS&GIS	99		FIG2014 Merchandise
65		TSKAY Technologies Sdn Bhd	100		Chamber of Surveying Cadastre Engineers of Turkey
66		Jiangsu Precise Way Optics Co., Ltd	101		MAKLI & MIL, Finnish Member Associations
68-69		Intermap Technologies	102a		FIG Working Week 2016
70		Hemisphere GNSS, Inc.	102b		FIG Working Week 2015
71		HERE	103a		FIG
73		Department of Survey and Mapping Malaysia (JUPEM)	103b		Geo-Plus
74		Altus Positioning System – Datascrip	105-106, 111-112		Topcon Malaysia



# Map of Kuala Lumpur



Map source: JUPEM

## General / Sights

- A** Kuala Lumpur Convention Centre FIG  
www.klccconventioncentre.com
- B** KL City Centre Park
- C** Dataran Merdeka (Merdeka Square)
- D** Petaling Street (Chinatown)
- E** Masjid India (Little India)
- F** Menara KL (KL Tower)
- G** Petronas Twin Towers

### Interesting attractions outside of the map:

- Islamic Arts Museum
- Kuala Lumpur Bird Park
- Kuala Lumpur City Gallery
- National Mosque (Masjid Negara)
- Thean Hou Temple
- Lake Gardens Park

**FIG** Indicates a venue of conference events.

## Shopping Centres

- a** Ampang Park
- b** Suria KLCC
- c** The Weld
- d** Pavilion
- e** Starhill
- f** Sungei Wang Plaza
- g** Low Yat Plaza
- h** Berjaya Times Square
- i** Kuala Lumpur Craft Complex
- j** Centre Market

## Hotels

- 1** Renaissance Kuala Lumpur Hotel
- 2** Maya Hotel
- 3** Concorde Hotel
- 4** Shangri-La Hotel
- 5** Pacific Regency Hotel
- 6** Ascott Hotel
- 7** Mandarin Oriental Hotel
- 8** Corus Hotel
- 9** InterContinental Hotel
- 10** PNB Darby Park FIG
- 11** JW Marriot Hotel
- 12** Parkroyal Hotel
- 13** Berjaya Times Square
- 14** Traders Hotel
- 15** Grand Hyatt Hotel
- 16** Impiana KLCC Hotel & Spa FIG

## General Information

### About Malaysia

Malaysia is a federal constitutional monarchy located in Southeast Asia. It consists of thirteen states and three federal territories and has a total landmass of 329,847 square kilometres (127,350 sq mi) separated by the South China Sea into two similarly sized regions, Peninsular Malaysia and East Malaysia (Malaysian Borneo). Peninsular Malaysia shares a land and maritime border with Thailand and maritime borders with Singapore, Vietnam, and Indonesia. East Malaysia shares land and maritime borders with Brunei and Indonesia and a maritime border with the Philippines. The capital city is Kuala Lumpur, while Putrajaya is the seat of the federal government. In 2010 the population was 28.33 million, with 22.6 million living in Peninsular Malaysia. The southernmost point of continental Eurasia, Tanjung Piai, is in Malaysia, located in the tropics. It is one of 17 mega diverse countries on earth, with large numbers of endemic species.

### About Kuala Lumpur

Kuala Lumpur (called simply KL by locals) is the federal capital and the largest city in Malaysia. Literally meaning “muddy river confluence” in Malay, Kuala Lumpur has grown from a small sleepy Chinese tin-mining village to a bustling metropolis of around 6.5 million (city-proper population of 1.8 million) in just 150 years. A cultural melting pot with some of the world’s cheapest 5-star hotels, cheap, great shopping, even better food and some of nature’s wonders in just an hour away, this dynamic city has much to offer for every visitor.

### Food

Kuala Lumpur is a good place for an introduction to Malaysian food as most people speak English and can explain to you what’s in the dish. Most restaurants close by 10 PM, but in the city centre there is always a few 24 hr *kedai mamak* (curry houses) or fast food places if you get stuck.

### Taxi

Normal red and white taxis (RM3 first 1 km, then RM1/km) and bright blue executive taxis (RM6 first 1 km, then RM2/km) are good options if you can get them to use the meter. There are also various small surcharges for radio call (RM2), baggage (RM1 per piece). To avoid haggling, to cut queue and to be able to track your ride download MyTeksi or Easy Taxi from your mobile store.

### Respect

Kuala Lumpur is ostensibly a liberal city and wearing revealing clothes will rarely cause major problems. How-

ever, avoiding overly revealing clothes goes a long way towards blending in. Many mosques and temples require covering up, and you will get more respect from officialdom if you dress up a little. Many places of worship including all mosques will require you to take your shoes off before entering.

### Stay Healthy

Tap water in Kuala Lumpur is heavily chlorinated and thus safe, but unfortunately the pipes that carry it may not be. Most locals boil or filter it before use; alternatively, bottled water is cheap and ubiquitous. There is no malaria in the city, but dengue fever can be a problem at times, so take precautions against mosquitoes.

### Stay Safe

Crime is not rampant in Kuala Lumpur. The perception of crime is high, but in recent years the Malaysian police have managed to reduce crime significantly in and around urban Kuala Lumpur. Reports of violent crime against foreigners are uncommon but instances of pick pocketing and bag snatching have risen in recent years. Police presence, particularly around tourist areas and at night has increased in recent years. Kuala Lumpur is generally safe for travellers (it is locals who are often the targets of crime).





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## Forthcoming Events

### FIG Working Week 2015

17–21 May 2015  
Sofia, Bulgaria  
[www.fig.net/fig2015](http://www.fig.net/fig2015)

### FIG Working Week 2016

2–6 May 2016  
Christchurch, New Zealand  
[www.fig.net/fig2016](http://www.fig.net/fig2016)



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