



Technical Seminar on Reference Frame in Practice Manila - Philippines, 21-22 June 2013

Venue: Philippine International Convention Centre (PICC),
Address - CCP Complex, Vicente Sotto, Pasay City
<http://www.picc.gov.ph/>

Technical Seminar Room - Banquet Hall 2, 2nd Floor Secretariat
Building, PICC

PROGRAM

Friday 21st June 2013

Session Chair – FIG Commission 5 – Mr Mikael Lilje and Mr Rob Sarib

0845 – 0900 Welcome and Opening Remarks – Mr *Mikael Lilje*

0900 – 1030 Session 1.1 Case Studies – The Status and Issues of Geodetic Infrastructure from Countries in the Region

Presenters – Mr. Aris Sunantyo (Indonesia), Mr Mosese Tagicakibau (Fiji), Mr . Gairo Wari ? (PNG)
Ms Charisma Victoria Cayapan (Philippines)

Session Outline: Presenters will provide a technical summary of their geodetic infrastructure; outline the nature, composition, services available, the users, who manage / maintain such infrastructure; and also highlight issues and future plans to modernise their geodetic framework.

1030 – 1100 Morning Tea

1100 – 1230 Session 1.2 IGS Services and Other Initiatives

Presenter – Prof Chris Rizos

Session Outline - How IGS / APREF services and other related initiatives provide access to the International Terrestrial Reference System (ITRS) via ITRF2008; the Global Geodetic Observing System (GGOS); geodetic infrastructure supporting the geoscience community and the geospatial community through the exchange of data and information.

1230 – 1330 Lunch

1330 – 1530 Session 1.3 APREF Status and Determination

Presenter – Dr John Dawson

Session Outline - The state of play of APREF and how the reference frame was derived; APREF services and applications; how can national agencies participate and exchange data and information; the UN Global Geospatial Information Management (GGIM) initiative and its influence on geodetic practice.

1530 – 1600 Afternoon Tea

1600 – 1730 Session 1.4 Reference Frame Infrastructure

Presenters – Prof Chris Rizos and Mr Tetsuro Imakiire

Session Outline - How to optimally establish positioning infrastructure using GNSS CORS; IGS site guidelines; related issues such as exchanging and / or access to geodetic information; web based processing services. Case study – the application of a contemporary GNSS CORS infrastructure to monitor crustal deformation and how it is an essential factor to maintain the geodetic reference frame in active tectonic zone like Asia- Pacific region.

1900 – 2200 Seminar Dinner

Restaurant : Cafe Amorsolo Location: PICC – 2nd Floor, Secretariat Building

Sponsored by ESRI, Trimble, Leica Geosystems



Saturday 22nd June 2013

Session Chair – FIG Commission 5 – Mr Mikael Lilje and Mr Rob Sarib

0900 – 1030 Session 2.1 Gravity and WHS

Presenter – Mr Basara Miyahara and Prof Kwon Jay-hyoun

Session Outline - The inter relationship of satellite missions (such as GRACE, GOCE and CHAMP), relative and absolute gravity, world height system, and geoids, with reference frames and geodetic datums; with emphasis on case studies from the Asia Pacific region.

1030 – 1130 Morning Tea

1100 – 1230 Session 2.2 Multi-GNSS Environment

Presenters – Prof Chris Rizos, and Mr Tetsuro Imakiire

Session Outline - Overview of ICG; the state of play and emerging issues relating to a multi-GNSS environment; PPP and precise differential GNSS techniques (RTK, NRTK); geo-referencing / geo-positioning for survey applications. Case study – overview of GEONET - a Japanese nationwide multi GNSS observation network consisted of about 1,200 stations and its geodetic services / applications.

1230 – 1330 Lunch

1330 – 1530 Session 2.3 Going GeoCentric

Presenter – Dr John Dawson and Mr Nic Donnelly

Session Outline - The Australian and New Zealand going geo-centric experience; technical hurdles; on-going maintenance of a modern datum; linking national datums to the ITRF; the benefits; the future and issues.

1530 – 1600 Afternoon Tea

1600 – 1645 Session 2.4 Dynamic Datums

Presenter – Mr Nic Donnelly

Session Outline - Concepts of 4 Dimensional datums; the pros and cons of static, semi-dynamic datum and dynamic datums; Case study – New Zealand.

1645 – 1730 Session 2.5 The Role of Manufacturers in Geodetic Infrastructure

Presenters – Mr Neil Ashcroft (Leica Geosystems), Mr Donny Sosa (ESRI), Mr Tan Siew Siong (Trimble), Mr Rod MacLeod (Novatel)

Session Outline – Manufactures will provide an insight to what role they can play and how they can assist in developing geodetic infrastructure in the region; what technical advice or applications they can supply to users to manage data in a modern and ever changing geospatial environment, especially with respect numerous geodetic datums / reference systems.

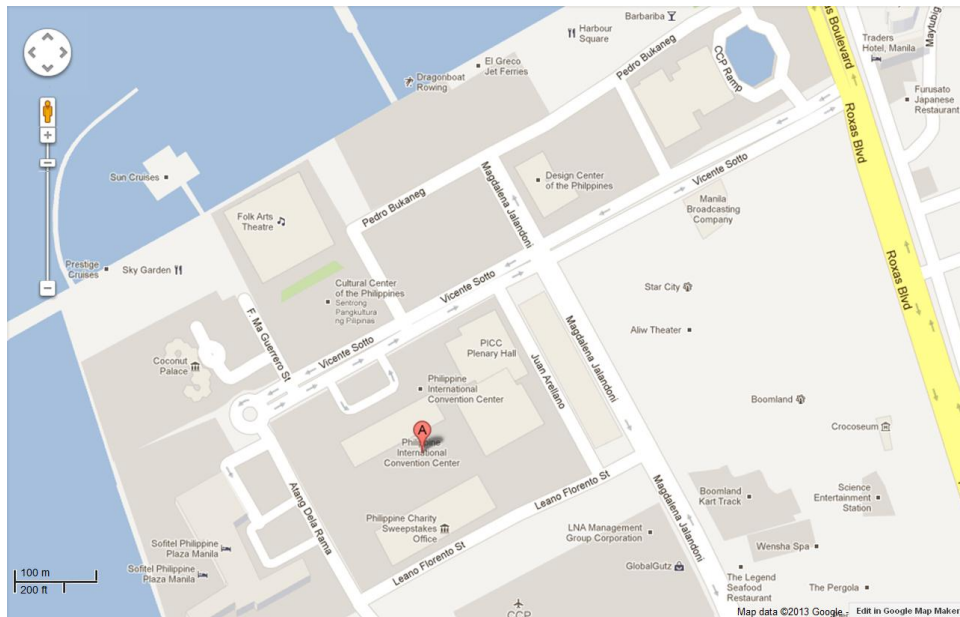
1730 Closing Remarks – FIG Commission 5 – Mr Mikael Lilje and Mr Rob Sarib

The Organisers IAG, FIG, UN ICG, UN GGIM AP and PhilGEGS would like to thank and acknowledge the following FIG Corporate sponsors for their generous support of this event.

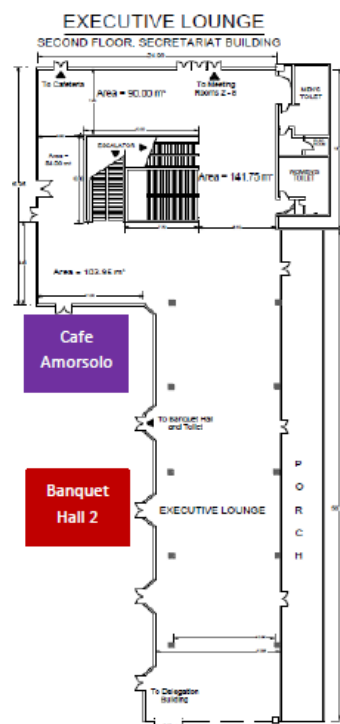


NOTES for Participants

- Registration, scheduled morning teas, afternoon teas, and lunches will be held at the Philippine International Convention Centre on 2nd Floor of the Secretariat Building,
- It is recommended that you allow enough time to register prior to the commencement of the Reference Frame in Practice Seminar which starts at 0845 on Friday 21st June 2013.
- Map of venue location labelled “A” in the map below - Philippine International Convention Centre, CCP Complex, Vicente Sotto, Pasay City. Technical Seminar Room - PICC Banquet Hall 2.



- Location map of the technical seminar room and Café Amoroso



- Possible accommodation

Sofitel Philippine Plaza	Atang dela Rama St., CCP Complex, Pasay City	http://www.sofitelmanila.com
Traders Hotel	1305 Roxas Blvd., Manila	http://www.shangri-la.com/en/manila/traders
G Hotel by Waterfront	2090 Roxas Boulevard, Malate Metro Manila 1000	http://www.waterfronthotels.com.ph/waterfront/g-hotel
Century Park Hotel	599 P. Ocampo St., Malate, Manila	http://www.luxuryotels.com/hotels/Manila/Century_Park_Hotel.html
Diamond Hotel	Roxas Boulevard, Corner Dr. J. Quintos Street Manila 1000	http://www.diamondhotel-manila.com
Hyatt Hotel and Casino	1588 Pedro Gil Corner MH Del Pilar Malate Manila 1004	http://manila.casino.hyatt.com/hyatt/hotels-manila-casino
Pan Pacific Manila	M. Adriatico cor. Gen. Malvar St., Manila 1004	http://www.panpacific.com/en/manila
The Heritage Hotel	Roxas Boulevard corner Edsa, Pasay City 1300	http://www.millenniumhotels.com/heritagemanila
Bayview Park Hotel	1118 Roxas Blvd., Manila	http://www.bayviewparkhotel.com
Hotel H20	Luneta,(Behind the Quirino Grandstand) Manila 1000	https://www.hotelh2o.com/main
Manila Hotel	One Rizal Park, 0913 Manila	http://www.manila-hotel.com.ph