



## **FIRST ANNOUNCEMENT**

### **Asia Oceania Regional Workshop on GNSS**

**- *Asia Oceania is the “Showcase of New GNSS Era”* -**

**25-26 January 2010, Bangkok, Thailand**

We are pleased to inform you that the first session of the Asia Oceania Regional Workshop on GNSS (the “GNSS Workshop”) will be held in Bangkok, Thailand from 25 to 26 January 2010, just prior to the 16<sup>th</sup> Asia Pacific Regional Space Agency Forum (APRSAF). The GNSS workshop will be jointly organized and co-sponsored by the Satellite Positioning Research and Application Center (SPAC) of Japan, the Japan Aerospace Exploration Agency (JAXA), and the Geo-Informatics and Space Technology Development Agency (GISTDA).

Today we cannot imagine not using GPS for personal and vehicular navigation, yet the most critical GPS applications are often the ones that do not make the headlines - the scientific and professional uses of GPS, from geodesy, to surveying and mapping, to precise positioning for industrial vehicle guidance. No one imagined the enhancement of the GPS capability and the deep penetration into our social life when the first GPS Block I satellite was launched in 1978, just over 30 years ago.

We are soon to experience a significant improvement in Position, Navigation and Timing (PNT) capability. Over the next decade we will see next generation Global Navigation Satellite Systems (GNSSs) being deployed, including the U.S.’s modernized GPS-IIF and planned GPS-III, the revitalised (and later to be modernized) GLONASS from Russia, Europe’s GALILEO system, and China’s COMPASS system. Furthermore, a number of Space Based Augmentation Systems (such as Japan’s QZSS), and Regional Navigation Satellite Systems (such as India’s IRNSS) will add extra satellites and extra signals to the multi-constellation GNSS ‘mix’.

Asia and Oceania region is the unique place where the number of usable modernized navigation satellites will increase much faster than other parts of the world. We will see great improvement of PNT capability and hence there is a great opportunity to try, test and validate new receiver hardware, algorithms, applications and user requirements. The GNSS Workshop will endeavor to establish a framework for a joint demonstration campaign known as the “Asia-Oceania Multi-GNSS Demonstration Campaign”.

At the GNSS Workshop, as a keynote speech, how multi GNSS applications contribute to regional economy as well as social problem such as reduction of CO2 emission will be presented. Satoshi Kogure, Japan Aerospace Exploration Agency (JAXA) will introduce the concept of the multi-GNSS demonstration campaign. From Asian countries, local and/or regional needs for PNT applications will be discussed. Finally, several proposals for joint development of multi-GNSS technologies and applications, as well as experiments in the region, will be introduced.

We believe the ensuing discussions and our efforts to build a collaborative spirit in the region through this first GNSS Workshop will be highly beneficial for our communities, service and/or product providers, and many categories of potential users.

We do hope that you and your colleagues will join us at the GNSS Workshop in January next year. There is no registration fee for the GNSS Workshop and lunch buffet and reception party will be provided free. Seating is unfortunately limited to 80 participants. So please note that applications are handled on first-come-first-served basis. We would like to recommend you to submit your application form via our web site <http://www.multignss.asia/> by December 20 2009. Furthermore, any contribution to the GNSS Workshop, such as introducing your requirements, proposing a joint project, providing your products for experimental use, and so on, is welcomed. Just provide us with details and we will try to accommodate your contribution within the program or experimental plans.

We look forward to meeting with you at the GNSS Workshop in Bangkok.  
With warmest regards,

Akio Yasuda  
Co Chairperson  
Professor, Tokyo University of Marine Science and Technology

Chris Rizos  
Co Chairperson  
Professor, University of New South Wales

# **Asia Oceania Regional Workshop on GNSS**

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**25-26 January 2010, Bangkok, Thailand**

## **Date and Location**

Date: 25 to 26 January 2010

Venue: Sofitel Centara Grand Bangkok

1695 Phaholyothin Road, Chatuchak 10900 Bangkok, Thailand.

*\*Further detailed information will be announced in due course.*

## **Draft Agenda**

1. Keynote Speech  
“How multi GNSS applications contribute to sustainable regional economy growth“  
(Speaker: TBD)
2. Introduction of the concept for Asia Oceania Multi-GNSS Demonstration Campaign  
Satoshi Kogure, Japan Aerospace Exploration Agency
3. Overviews of GNSS systems  
GPS modernization, GLONASS, Galileo, COMPASS, IRNSS, and QZSS  
By each GNSS providers representative
4. GNSS applications session  
Proposals and demands in the region by the following applications field will be presented.
  - A) Disaster Mitigation and Management, and Modern Geodesy
  - B) Intelligent Transport System (ITS)
  - C) Precise Positioning Services for Machine Guidance and Control
  - D) Location Based Service (LBS) and Pedestrian Navigation
  - E) Others
5. Project Planning Session  
Framework, goals, work plan, discussion on joint projects
6. Closing session

## **Registration**

Registration application form will be available on the website of the Multi-GNSS Demonstration Campaign in Asia-Oceania: <http://www.multignss.asia/> **from November 10, 2009**. Registration process should be completed **by December 20, 2009**.

## **Participant Capacity**

Capacity is limited 80 people. Note that registrations for the GNSS Workshop will be accepted on first-come-first-served basis. The organizers will send you a confirmation email if your on-line registration or registration by fax is accepted.

Your name tag and meeting materials will be available at the on-site registration desk in exchange for the confirmation email.

## **Registration Fee**

There is NO registration fee to participate in or contribute to this workshop.

All participants are invited to a dinner reception hosted by JAXA on January 25, 2010. Lunch will be served January 25 and 26, 2010.

## **Contribution**

If you have an idea or proposal you wish to share with participants at the GNSS Workshop, for instance, a joint project proposal or requirement to be addressed through the use of PNT technologies, and you would like to make a presentation, please send an email with an abstract to contact email address given below **by November 30, 2009**. We will then consider how to incorporate your proposal into the final program.

## **Points of Contact**

If you have any inquiries concerning the GNSS Workshop, please feel free to contact:

Mr. Hiroaki Tateshita  
Satellite Applications Promotion Center  
Space Mission Directorate  
Japan Aerospace Exploration Agency  
2-1-1, Sengen, Tsukuba, Ibaraki 305-8505, JAPAN  
Email: [ws@multignss.asia](mailto:ws@multignss.asia)

## **Further Information**

Further detailed information on the program, registration process and logistics of the GNSS Workshop will be available on the Multi-GNSS Campaign website: <http://www.multignss.asia/>.

The above web site also links to booking information concerning accommodation options near the meeting venue as well as air ticket form for Japanese participants. The link for the registration and logistics info page will be available from November 10, 2009.