



Chairman's Report

for the 3rd Asia Oceania Regional Workshop on GNSS

Nov. 3, 2011

MGA Co-chair Akio Yasuda

The Third Asia Oceania Regional Workshop on GNSS

- Was held on November 1-3, 2011 at Phoenix Island Hotel in Jeju, Korea
- hosted by Satellite Positioning research and Application Center (SPAC), Japan Aerospace Exploration Agency (JAXA), Korea Aerospace Research Institute (KARI), and GNSS Technology Council
- and supported by United Nations International Committee on GNSS (UN ICG) and International Global Navigation Satellite Systems Service (IGS)
- 86 participants from 39 organizations including GNSS providers, universities, related research institutes and agencies gathered from 9 countries.



Workshop Agenda included

- Nov. 1st (Discussion Day)
 - Discussion guidance
 - Group Discussion, organized by KARI and JAXA jointly
 - A) Multi-GNSS Monitoring Network
 - B) Precise Positioning
 - C&E) “Disaster Mitigation and Management” and LBS
 - D) ITS
- Nov. 2nd
 - Keynote speech
 - Overviews of GNSS systems
 - “Activities and Framework related GNSS application”
 - GNSS Applications presentations
 - QZSS Demonstration (RTKLIB)
- Nov. 3rd
 - Closing Session



Group Discussion

- Four groups were formed depending on applications category
 - A) Multi-GNSS Monitoring Network
 - B) Precise Positioning
 - C&E) “Disaster Mitigation and Management” and LBS
 - D) ITS
- For discussion, 30 presentations were provided and five joint experiments were proposed in the Four groups in parallel
- Summary of discussion was reported by moderators in the closing session

Proposed Multi-GNSS Joint Experiments



- MGA Steering Committee endorsed the implementation of the following Five proposed JAXA's Multi-GNSS Joint Experiments
 1. Evaluation of Multi-GNSS for Precision Agriculture in Korea, Chungnam National University, Korea
 2. Sustainable Resource Utilization by Precision Farming of Oil Palm Plantation; RTK-Auto Guided Oil Palm Planter; On-the-Go Soil ECa Mapping, University Putra Malaysia , MALAYSIA
 3. Automated rice transplanter guided by using Multi-GNSS including QZSS , Agricultural Research Center , National Agriculture Research Organization , JAPAN
 4. "Joint QZSS/GPS positioning using L1/L5 band signals", National Cheng Kung University, Taiwan
 5. "Multi-GNSS Experiment at RMIT University in Melbourne", RMIT University, Australia

Activities and Framework and GNSS application sessions

- 15 presentations were introduced
- Several activities including Multi-GNSS Asia and GNSS applications were presented. And valuable information exchanges were done through Q&A session and coffee break time.
- As QZSS Demonstration, “RTKLIB” was introduced and demonstrated

Conclusion on The 3rd Asia Oceania

Regional Workshop on GNSS

1. Endorsement of Experiments

The implementations of Proposed five joint experiments of Multi-GNSS application were endorsed

2. Proposal of GNSS / Beidou Demonstration

- Outcome of ICG-4: “Every GNSS providers should publish documentation that describes the signal and system information
- Multi-GNSS Demonstration should be carried out by using all available GNSS systems. In terms of the utilization of open services of Multi-GNSS, The participation of GNSS / Beidou Demonstration by Joining MGA is welcomed



Thank you for your attention

Any comments to the conclusion?