



GNSS/BeiDou Awareness and Technology Demonstration in Pakistan

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SUPARCO

Pakistan

Seventh Meeting of the International Committee on Global Navigation Satellite Systems (ICG)

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Beijing, China



SUPARCO

- Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
- Mandated to conduct
 - R&D in Space Science and Space Technology
 - Peaceful Space applications in the country





SUPARCO Projects

- Communication and Remote Sensing Satellites development
- Satellite Remote Sensing and GIS
 - Natural resources surveying
 - Mapping
 - Environmental monitoring
- Global Navigation Satellite System (GNSS) and its Applications
- Space & Atmospheric Sciences
- Tele-Medicine
- International Cooperation in Space Technology and Applications development



SUPARCO GNSS Vision

Capacity building and peaceful utilization of GNSS technology and its applications for the socio-economic development of Pakistan through national and international cooperation



International Cooperation

- SUPARCO has cooperation agreement with China Satellite Navigation Office (CSNO) for exchanging and promoting GNSS civil applications in Pakistan





Symposium

- A “Symposium on BeiDou/GNSS and its Applications” and exhibition “BeiDou Applications and Demonstration Experience Campaign (BADEC)” have jointly been organized by SUPARCO and China Satellite Navigation Office (CSNO)
- This symposium was held at the **Sheraton Hotel, Karachi** from **25th to 26th September, 2012**





Symposium

- First ever Symposium on GNSS and its Applications in Pakistan
- This event was organized with the objectives of:
 - Awareness of GNSS Technology and its Applications for socio-economic development of Pakistan
 - Gathering all GNSS stakeholders for technology and applications development
 - First BeiDou Applications and Demonstration Experience Campaign (BADEC) outside China





Symposium

- The Symposium highlighted the current and perspective applications of GNSS in Pakistan and its economic implications
- It has been highlighted that that the country had no existing infrastructure in this field, and this is the time to capitalize on the technology
- This technology has provided Pakistan with both economic and strategic opportunities
- The symposium also included technical reports on GNSS role in monitoring and management of vehicles and ships, precision positioning and GIS, presented by both Chinese and Pakistani speakers





BADEC

- An exhibition was also organized along with the Symposium
- This exhibition was part of the BADEC program
- This was the first ever BeiDou technology and application demonstration outside China
- BeiDou/GNSS receivers, applications and services were highlighted
- This exhibition was opened for public after Symposium





Participants

- More than 300 participants participated in the Symposium and BADEC
- Participants were mainly from government institutions, research organizations, universities, entrepreneurs, consultants and surveyors etc
- BeiDou/GNSS technology and application development companies from China also participated in the Symposium and Exhibition





Media Coverage

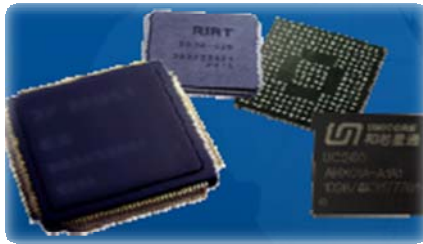
- This Symposium and BADEC event have been highlighted by Pakistan's leading Electronic and Print Media
- This includes:
 - Daily Dawn
 - The NEWS
 - The Express Tribune
 - PTV
 - Express News
 - Samaa TV
 - Aaj TV
 - CNBC Pakistan News
 - Many others...





BeiDou Applications in Pakistan

- BeiDou/GPS Dual Mode Chip for Vehicles
- Civil Aviation
- Transportation Monitoring and Management
- Surveying and Mapping
- Meteorology





Conclusion

- This symposium and BADEC event held for two days and concluded as successful
- Participants appreciated the SUPARCO and CSNO for organizing such event
- SUPARCO is open for GNSS technology and application development cooperation with the world

Thank You



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