

## ISPRS WG IV/7 joint Workshop with ACRS2013 on 3D indoor modelling and navigation in the 34th Asian Conference on Remote Sensing 2013

The 34th Asian Conference on Remote Sensing (ACRS 2013) was held on Bali at 20 – 24 October 2013. The conference was organized by Indonesian Society for Remote Sensing (ISRS/MAPIN) and Asian Association on Remote Sensing (AARS). Holding the theme “BRIDGING SUSTAINABLE ASIA”, the conference brought together researchers, policy makers and practitioners from developed and developing countries to share insights into the challenges and opportunities of remote sensing technology and application in solving the world problems. The conference was attended by 1379 participants (811 papers). This conference promoted the application of Photogrammetry, Laser scanning, Remote Sensing, GIS, GPS, and other related digital mapping technologies in Asia and worldwide.



ACRS 2013 Venue  
2013 Banquet



ACRS 2013 Ceremony



ACRS

ISPRS WG IV/7 organize the joint Workshop “3D indoor modelling and navigation” with ACRS 2013. The themes of the workshop are as follows:

- 3D reconstruction of indoor environments
- Indoor positioning and tracking
- 3D assisted navigation and visualization
- Geofencing service
- Tablet interface and GUI for indoor services
- Data models for management of geo-sensor data and their integration with other 3D information

The workshop was attended by 30 participants from Asian countries (Japan, China, Taiwan, Korea, Thailand, Indonesia, etc.) and European countries. Moreover, the workshop was consisted of a short discussion and 6 topics (oral presentations) from Japan, Taiwan, Korea (Iran) as follows.

- Point Cloud Registration for Indoor Mapping using Time-of-flight Camera
- Augmented Reality Applications in The World Heritage Iwami Ginzan Silver Mine
- Smart Indoor Advertising Billboards
- A Study on Camera Calibration of Smartphones or Tablet PCs
- Integration of BIM and GIS for Indoor and Outdoor Combined Route Planning
- Point cloud clustering using a panoramic layered range image

Abstract and full paper was submitted via ACRS 2013 web site. In addition, papers were included in the Proceedings of ACRS 2013.

Overall it can be said that Joint Workshop with ISPRS IV/7 and ACRS 2013 was a good start-up for a high-level discussion related to "Indoor 3D" techniques and application such as Point cloud processing, Seamless navigation, BIM (Building Information Modelling) and AR (Augmented Reality) in Asia.

The next Joint workshop will be held in Myanmar on Oct 27-31, 2014, again in cooperation with ISPRS and ACRS.

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