

Report on ISPRS TC V Symposium “Close-range imaging, ranging & application”, 23-25 June 2014, Riva del Garda, Italy – by Takashi Fuse, University of Tokyo, Japan

The 2014 ISPRS TC V Symposium was held in Riva del Garda (Italy) from June 23rd to 25th. The topic of ISPRS TC V mainly focuses on close-range photogrammetry and cover a wide variety of applications, such as industrial metrology, cultural heritage, architecture, biomedical and geosciences, etc.

The Symposium featured ca 280 participants from all over the world with 166 papers, 52 included in the Annals and 114 in the Archives, accepted after an evaluation of the local organizing committee and the international reviewing committee.

There were 4 plenary sessions, 19 oral sessions, 3 poster sessions and a company exhibition. The event was supported and sponsored by AICON, Zoller+Froelich, 3DFlow, RIEGL, ArcTron, NFrames, Leica Geosystems, 3D Reshaper and ARIDA. The plenary sessions included 4 keynote speeches and an ARIDA (Japanese Association for Real-time Imaging and Dynamic Analysis) session. The keynote speakers were Prof. Andrea Fusiello (University of Udine, Italy), Dr. Florent Lafarge (INRIA, Sophia Antipolis, France), Dr. Sven Havemann (Technical University Graz, Austria) and Prof. Andreas Georgopoulos (National Technical University of Athens, Greece). The keynote speeches covered the latest hot topics of Commission V, that is structure from motion, dense image matching/surface reconstruction, shape and its semantics in BIM (Building Information Modeling) as well as ICT for Cultural Ceritage. In the ARIDA session, the Association was celebrated for its 20th anniversary and 3 presentations were given by Prof. Hirofumi Chikatsu (Tokyo Denki University, Japan), Prof. Armin Gruen (ETH Zurich, Switzerland), and Prof. Clive Fraser (University of Melbourne, Australia).

The technical sessions of the Symposium dealt with camera calibration and network orientation, point cloud segmentation and modelling, earth application, documenting cultural heritage (CH), smartphone 3D modelling, Mobile Mapping data processing, UAV photogrammetry for earth observation and Heritage applications, calibration of range sensors, Building Information Modeling (BIM), range data analysis and processing, metrology and deformation studies, forestry applications, image matching and dense point clouds determination. The technical sessions included also workshops from the MayaArch3D, COSCH and 3D-ICONS EU projects.

Thanks to the ISPRS Foundation, 7 young researchers were financially supported to attend the TC V Symposium in Riva: Ana Djuricic, Georgina Stavropoulou, Jesse Rafeiro, Mostafa Arastounia, Salil Goel, Surabhi Gupta and Winhard Tampubolon.

The following papers won the best paper awards assigned to oral or poster presentations:

- S.Y. Zheng, R.Y. Huang, J. Li, and Z. Wang: Reassembling 3D thin fragments of unknown geometry in Cultural Heritage;
- S. Fai and J. Rafeiro: Establishing an appropriate Level of Detail (LoD) for a Building Information Model (BIM) – West Block, Parliament Hill, Ottawa, Canada;





