Report on ISPRS WG V/5 and WG III/3 Workshop "Photogrammetric techniques for video surveillance, biometrics and biomedicine - PSBB15"

25-27 May, Moscow, Russia
2015

The ISPRS WG V/5 and WG III/3 International Workshop «Photogrammetric techniques for video surveillance, biometrics and biomedicine - PSBB15» was held in Moscow, Russia in Moscow State University of Geodesy and Cartography (MIIGAiK) from May 25th to May 27th 2015. From the Russian side the workshop was organized and supported by State Research Institute of Aviation Systems (GosNIIAS), MIIGAiK and Russian Foundation for Basic Research (RFBR).

It was the first joint ISPRS WG V/5 and WG III/3 Workshop aimed to provide a platform for sharing the results of research and development efforts in both national and international video surveillance, biometrics, and biomedicine theory, research, experiments, applications, and technology.

The Program Committee of PSBB'15 contained 17 scientists from 8 countries experienced in computer vision, photogrammetry, video surveillance, biometrics, and biomedicine. 51 submitted abstracts were reviewed by PC (most of them were evaluated by three reviews). As a result of reviewing process 30 submissions were accepted for presenting at the Workshop (as oral and poster presentations), and 19 of them were accepted as full papers for inclusion into the ISPRS Archives. The accepted papers were published in the ISPRS Archives (http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XL-5-W6/index.html) by Copernicus GmbH. The proceedings were provided to PSBB'15 participants in their registration kit.

The main website of PSBB'15 workshop was designed and hosted (http://technicalvision.ru/ISPRS/PSBB15/) containing the information about technical program, important dates, paper submission, venue details and other general information. The special PSBB15 registration and submission website was created too (http://psbb15.ellectu.net) for support of easy registration, online paper submission, anonymous reviewing process and communication of authors/contributors with organizers.

The Workshop was officially opened by Prof. Andrey Mayorov, the Chancellor of MIIGAiK, who stressed the importance of this event for developing modern photogrammetric approaches and methods in Russia. Then Prof. Sergey Zheltov, the Head of GosNIIAS

gave a welcome speech in which he wished the success to the Workshop and expressed a belief for expanding the scientific cooperation in the field of photogrammetry.

The PSBB'15 Opening Session

The PSBB'15 Technical program contained 5 technical sessions, and 1 poster session. A keynote presentation, 23 oral presentations and 7 posters were presented during the workshop. The keynote speech «Advanced techniques to process, analyze and understand 3D shape models» was presented by Prof. Marco Attene (CNR – IMATI, Italy).

The Key speech of PSBB'15 by Prof. Marco Attene

Following technical sessions were organized according to the topics of the program:

      Human action detection and recognition
      Morphology and shape analysis. Gesture recognition applications
      Head and face data analysis. Biometric applications
      Motion and image sequence analysis. Object detection and tracking
      Medical imaging, visualization and systems

147 participants representing 8 countries were registered for the PSBB'15 and took part in the sessions and the discussion during three days of the Workshop work.

The participants had an excursion in Museum of Moscow State University of Geodesy and Cartography and a tour through the historical interiors of Demidov's palace where the first Russian geodetic institution was founded.

PSBB'15 participants at excursions and coffee-breaks

This first PSBB Workshop has received the very positive feedback from the participants about the contents presented, workshop organization and technical program offered. So, the idea was proposed and supported by PSBB'15 participants to organize the second PSBB Workshop in Moscow in 2017.

The group photo of PSBB'15 participants

On behalf of Organizing Committee we would like to thank all who contributed to the success of this joint Workshop.