

# Report on experiences and benefits at the PIA15 and HRIGI15 Workshop in Munich Germany from 25-27 March 2015

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I am a MSc student in Geoinformatics and I am a former graduate student from School of Rural and Surveying Engineering of the same university. Currently, I am a postgraduate researcher at the Lab. of Photogrammetry of National Technical University of Athens. My current research concentrates on visual-sensor target detection and tracking systems and satellite photogrammetry. Moreover, two-media (through water) photogrammetry and camera calibration techniques, are constantly within my intense interests. Recently, I have paid special attention in the challenging field of scanning damaged inscriptions in order to process the obtained point clouds and thus contribute to deciphering them automatically.

In this report, I would like to share my recent experiences from my participation to the Photogrammetric Image Analysis (PIA15) & High resolution earth imaging for geospatial information (HRIGI) Workshop held in Munich Germany from 25-27 March 2015.

It was such a great opportunity for me to visit Munich for the first time in my life. The paper submitted by me and my postgraduate thesis supervisor was entitled "Comparative assessment of very high resolution satellite and aerial orthoimagery" and its main aim was to assess the accuracy and radiometric quality of orthorectified high resolution satellite imagery from Pleiades-1B satellites through a comparative evaluation of their quantitative and qualitative properties.



Figure 1: ISPRS Foundation Travel Grantees

(source : [http://www.pf.bgu.tum.de/isprs/pia15/pia15\\_gal.html](http://www.pf.bgu.tum.de/isprs/pia15/pia15_gal.html))

The PIA15 and HRIGI15 Workshop was opened with welcome speeches by Prof. Uwe Stilla and Prof. Christian Heipke who were also the conference chairs. During the opening ceremony, the grantees of the ISPRS Foundation Travel Grant, including myself, were presented with the certificates (Figure 1). The conference was an excellent occasion for knowledge exchange, exploration and discussion with researchers from all over the globe on topics related to the advances of remote sensing, computer vision, image analysis and related fields.

The keynote presentation given by Tomas Pajdla about solving minimal problems for 3D reconstruction from images was of great interest. In addition, a number of presentations and posters were real eye openers and gave me an overview of the directions of future research in photogrammetry and remote sensing, always in combination with the powerful tools provided by the computer vision field.

Since there were not parallel sessions, the opportunity was given to everyone to watch all the presentations. This, gave me an overview of the cutting edge research in the specific fields of the workshop and enable me to generate new ideas for improving my research.

My presentation was an Interactive Presentation (Poster). During my poster presentation, I had the chance to explain my work to other researchers, discuss with them ways and methods for going further and deeper in research and exchange results and new ideas.

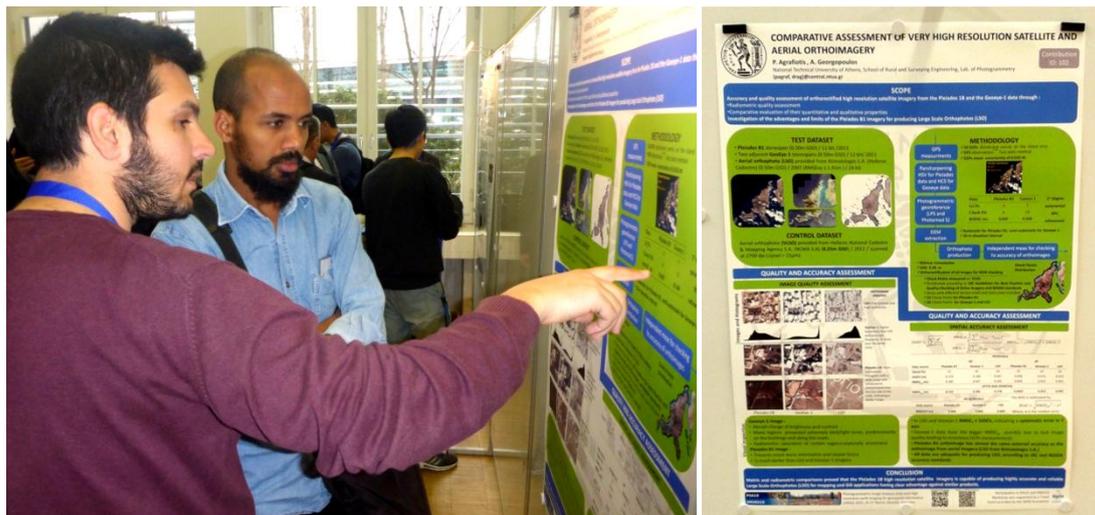


Figure 2: Presentation of my poster

(Left image source : [http://www.pf.bgu.tum.de/isprs /pia15/pia15\\_gal.html](http://www.pf.bgu.tum.de/isprs /pia15/pia15_gal.html))

Besides the conversations with other scientists during the poster sessions, the coffee breaks and the impressive social event provided me the possibility for networking and exchanging emails in order to keep contact with most of them and collaborate in research programs.

Attending this workshop was an excellent opportunity for me to present and expose the first part of the work of my Msc Diploma Thesis concerning the comparative assessment of very high resolution satellite and aerial orthoimagery. In addition, I gain experience from this international forum through discussions with researchers from all over the world about leading research and technological developments in the fields of my interest. As a consequence, the financial support of ISPRS Foundation, offered me the possibility of building professional relationships with worldwide known researchers as well as offered me the great honor of being supported by the ISPRS Foundation.