

TIF Travel Grant Report – Dr. Erica Isabella Parisi PhD

ISPRS TC V Mid Term Symposium on "Education & Outreach - Geospatial technology – Pixel to People"

I've applied to the ISPRS Foundation (TIF) Travel Grant to conduct, as a Tutor, the Pre-Symposium Tutorial "Ground based 3D Modeling (Close Range Photogrammetry & TLS)" and to attend the ISPRS TC V Mid Term Symposium 2018 "Geospatial Technology - Pixel to People", held in Dehradun (India) from 17th to 23rd November 2018.

My research group belongs to the GECO Lab - Geomatics for Environment and Conservation of Cultural Heritage Laboratory, Dept. of Civil and Environmental Engineering (DICEA) of the University of Florence, Italy. We have been the main contributor to one of the Pre-Symposium tutorials, held from November 17th to 19th, and we have also presented our research to the main Symposium with two contributions. The research team, coming from Italy, was made by four people, with a multi-level experience in the geomatics field. Furthermore, we had to bring our instruments (laser scanner, cameras, etc) from Italy in order to properly manage the survey acquisition during the pre-symposium tutorial. For the above-mentioned reasons, it was a great cost for our Lab and the additional funds, received by two members of the research group thanks to the TIF travel grants, were really helpful.

For what concerns my personal career, I have a post-doc fellowship at DICEA, since May 2017. I was one of the fifteen fortunate awarded with the ISPRS Foundation (TIF) travel grant, which made my participation at the symposium possible. I am involved in several projects concerning education and technological transfer with students and other organizations. In particular, the experience of the tutorial, has been an occasion to test new and updated educational and training resources about digital photogrammetry and laser scanner, to promote capacity building at different levels of professionals, educators and students, to develop cost effective teaching methods, to support also distance learning programmes.

In fact, the participation to this prestigious event is part of the "Education and training resources on digital photogrammetry" project, of which our scientific responsible, Prof. Grazia Tucci, is Principal Investigator, in collaboration with Prof. Anjana Vyas, Dr. Vikram Sorathia, Prof. Satwant Rihal as co-Investigators of the TC V/I group for the Education and Capacity Building Initiatives 2018.

Furthermore, I had the chance to substitute Prof. Grazia Tucci with a key note in the plenary session of the second day (21st November) "Trends in Education & Outreach", chaired by Dr. Lena Halounová, about the importance of education for a correct process of knowledge-transfer in digitization processes of Cultural Heritage and about our educational experience with the tutorial in the previous days.



The fifteen participants of the pre-symposium tutorial "Ground based 3D Modeling (Close Range Photogrammetry & TLS)" with the four tutors



My intervention with a key-note in the Plenary Session "Trends in Education & Outreach", chaired by Dr. Lena Halounová

The same day, in the afternoon, I presented our research paper “Digital photogrammetry as a resource for Cuban Cultural Heritage: educational experiences and community engagement within the Innova Cuba project”, during the “Framework for Multi-level Education & Training - Curriculum Development and Methodology” session. The project presented in the paper has a lot of common points with the tutorial educational experience made in Dehradun for this Symposium.



The presentation of the contribution “Digital photogrammetry as a resource for Cuban Cultural Heritage: educational experiences and community engagement within the Innova Cuba project”, in the session “Framework for Multi-level Education & Training - Curriculum Development and Methodology”; group picture with the GECO Lab team and Prof. Anjana Vyas

Finally, this experience was a great occasion to test our methods of knowledge transfer, through the learning-by-doing method during the tutorial. We have also received useful feedbacks from the students in order to further improve our educational activities. The Conference was also the occasion to present our research topics to a wide community of scientists, researchers and students, thus giving the chance to increase the contact network.

Thanks to The ISPRS Foundation for giving me this great opportunity. It was a great pleasure for me to accept this travel grant, thus being able to participate to the Conference.

Florence, 06/12/2018

Dr. Erica Isabella Parisi - PhD