

## **New Sightings of Geodesy – Young Surveyors’ Engagement for Promoting Surveying Profession**

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**Abstract:** The Project “New sightings of Geodesy” started in March 2014 when I found out that it was accepted by the Ministry of Science, Education and Sports of the Republic of Croatia and that IT Section will get the funding, so I started planning and elaborating the project immediately. The first idea of the project was the Workshop in Blender. I was inspired by the animation of our Dean for Teaching and Students, Assist. Prof. Dražen Tutić made with his students so I decided to make this workshop.

Afterwards, the idea for interconnecting with our colleagues aroused and I started working on Student’s portal and geof.TV. I hired a web-designer and discussed with him how I wanted the design to be. I wanted it to be interactive, modern and to have easy-to-find content. Along the way, in June, I concentrated primarily on promoting newest technology and studying surveying - making video-materials for geof.TV and 3D models for Virtual Museum. One day I wondered – why not educate young surveyors and other students about Sustainable Future? How can Surveyors help? That is how the Seminar “Roles of Geodesy and Geoinformatics in Sustainable Development” was born. So I jumped straight on to the business – I wrote a few subjects down, thought about who could teach on the given subjects and I sent them an e-mail, inviting them to the Seminar. IT Section signed cooperation agreement with CCS (Croatian Cartographic Society) to bring the Seminar on a higher level by having international lecturers.

When I put everything on the paper – the Workshop, Media-tools and the Seminar, I searched for missing pieces. We have the newest technology implementation (media - internet, television), interesting 3D software (Blender) and a huge educational program which will raise awareness of global issues. I asked myself – what does a Young surveyor do after he or she has done with college? What does he/she need for that purpose? And there was my answer of what was missing – an educational program “How to get hired easily?”, because every Young surveyor after college either decides to work for someone (“Presentation skills”, “CV Writing”) or starts his/her own company (“Business documentation”).

Then, another idea crossed my mind – a Virtual museum. We will take photos of all the instruments, maps and other equipment at the Faculty of Geodesy and make 3D-models, combining in that way image data with useful information and history of geodesy. So, IT Section works very hard to engage students and promote surveying profession. None of the other Faculties of the University of Zagreb (or other Universities in Croatia) has its own Television, Virtual museum and Virtual walk – the Faculty of Geodesy will be the first to have one of those. Yet, this is just the beginning. IT Section will continue to work and come up with new and innovative ideas with the aim of motivating youngsters, creating a network of young surveyors and promoting surveying profession.

**Keywords:** young surveyors, students' engagement, educational workshops and programs, seminar, sustainable future, new technologies, interconnection, media