



University of Zagreb, Croatia  
Faculty of Geodesy



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*Student initiatives within student magazine  
Ekscentar*

ekscentar

# Where are we coming from? Who we are?



## Few words about student magazin Ekscentar (1)

- Professional student magazine at the Faculty of Geodesy, University of Zagreb
- It's published in Croatian (English) once a year continuously since 1997
- Gathers about 20 students (volunteers)
- All articles are reviewed by professors
- Authors: students, assistants, professors, colleagues from the practice
- Funding*: Student Council of the University, Faculty of Geodesy, SGA, Chamber of Chartered Surveyors, private surveying sector (donations and sponsorships)
- ...

more info:

<http://student.geof.unizg.hr/?q=ekscentar>

<http://hrcak.srce.hr/ekscentar>



# Few words about student magazin Ekscentar (2)

1968.  
Rektificirano

1997.  
Ekscentar No. 1



2013.  
Ekscentar No. 16



# Student initiatives within magazin Ekscentar (1)

- ❑ In academic year 2011/2012 within the magazine was launched student initiative called

## *Student field workshops*

in cooperation with private surveying sector (distributors surveying equipment and instruments)



## Student initiatives within magazin Ekscentar (2)

### □ Why? What were main ideas?

- replacement for the lack of professional practice during study
- encourage cooperation between educational and private sector to the satisfaction of the wider surveying community
- familiarize students with the modern technology available on the surveying marketplace in Croatia
- ...



# Student initiatives within magazin Ekscentar (3)

- 5 field workshops → 5 articles in the main issue

## Partners:





# Student initiatives within magazin Ekscentar (4)

## Article No 1:

- ❑ Deterimnation displatements of lendslide Kostanjek with relativ static method



- our measurements are used for modeling GNSS monitoring system of landslide





# Student initiatives within magazin Ekscentar (5)

## Article No 2 :

### ❑ Unmanned aerial vehicle SenseFly Swinglet CAM



- we came across a the limitations regulations relating to:
  - flying unmanned aircraft weighing less than 2 kg
  - aerial mapping using unmanned aircraft

*legal frameworks are not yet defined*



# Student initiatives within magazin Ekscentar (6)

## Article No 3:

- ❑ Possibilities of Topcon's imaging total station in use as a terrestrial laser scanner



Drazen Petrovic?

The symbol of  
Croatian  
basketball



Students made 3D model  
of his statue in Zagreb



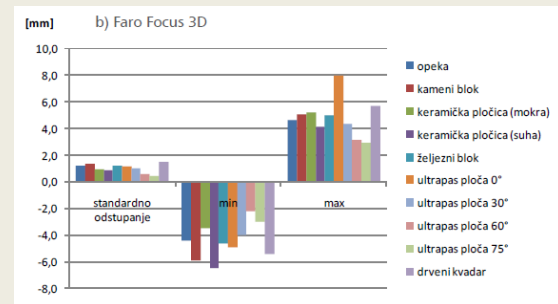
# Student initiatives within magazin Ekscentar (7)

## Article No 4:

### □ Comparison of terrestrial laser scanners



- there is no universal terrestrial laser scanner that could perform all types of measurements.
- laboratory tests and classifications are made



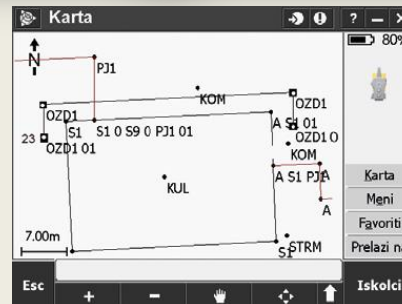
# Student initiatives within magazin Ekscentar (8)

## Article No. 5

- The integration of measurement systems, advanced coding and attributing with synchronization between field and offices



- we did survey in student dormitory complex, where most of us lived in that time





## Student initiatives within magazin Ekscentar (4)

- ❑ Obviously we went in the right direction ... SGA has proposed cooperation with the public sector in Ekscentar No. 16

*Partner:*



*State geodetic administration*



# Student initiatives within magazin Ekscentar (4)

❑ five workshops across sectors and services of State Geodetic Administration

## Articles:

- ❑ Determination of vertical gravity gradientc
- ❑ Transformation of homogeneous fields coordinates in HDKS
- ❑ Archive, storage and distribution of spatial data
- ❑ Quality control of DOF 2
  
- ❑ Registry of geographic names



***What follows in the next issue?***

***We'll see 😊***



# Interesting No. 1



The Council of European Geodetic Surveyors  
Comité de Liaison des Géomètres Européens

The CLGE Students Contest 2011 – 2012

## Winner in category "Geodesy, Topography"

Geodetic Works In Research And Development Plan For Remediation Of Landslides Kostanjek. Diana Bečirević, Daria Dragčević, Jakov Maganić, Kristina Opatić, Ljerka Županović (CROATIA)





## Interesting No. 2

### Dean's Special Award for the project

Student field workshops and  
fifteen years of Ekscentar

on the occasion of 50 years  
independently of Faculty of Geodesy  
University of Zagreb





## Interesting No. 3

*We believe that we encouraged the Faculty authorities to think about some changes*

- reintroduction of professional practice in the private and public sector
- more field activities with students
- desire for better cooperation with students and other stakeholders in surveying profession
- ... our project partners certainly have something else to add

*Change is a process, not an event!*



# Interesting No. 4

## Cooperation between Ekscentar and FIG Young Surveyors Network

PRESENTING...

### FIG Young Surveyors Network & The ISPRS Student Consortium

Prepared by: Lucija Meštrić, Ružica Kozic



*In this issue, we present you with two international, non-government organisations, i.e. their youth organizations: FIG YS and ISPRS SC. We got in touch with them and came up with information that you might be interested in. Read a few words about them ... take a look at the answers to the questions that we asked them...discover your role in their story. Maybe you can actively participate in creating the future of land surveying on the international level... Enjoy!*

*The following people have also participated in creating this informative articles:*

**Ms. Kate Fairlie**  
*Chair of FIG Young Surveyors Network, Australia*

**Ms. Eva-Maria Unger**  
*Secretary of FIG Young Surveyors Network, Austria*

**Ms. Paula Dijkstra**  
*Member of FIG Young Surveyors Network, Netherlands*

**Mr. Jens-André Paffenholz**  
*Treasurer of FIG Young Surveyors Network, Germany*

**Mr. Ruben Martinez Naveira**  
*Member of FIG Young Surveyors Network, Spain*

**Ms. Ivana Dabanović**  
*former ISPRS SC Europe Regional Coordinator, Croatia*

*Thank you all!*



## What to say at the end ... how to conclude

- ❑ Project *Students workshops within Ekscentar*, and generally all initiatives of this kind, especially if they come from students, contribute to the expansion of existing knowledge and acquire new skills for future young professionals.
- ❑ Mutual cooperation between the education system, the private sector and government institutions, both at national and international level at present time of mobility and interoperability is more than necessary.

*Every day I wonder ... What can I do to make it better?*



Thank you for your attention!

