

Student Practice

Hvar, October 16 - 23, 2005

At last, after several years of listening to our colleagues' stories about their experiences from the student practice and various excursions organized by the Faculty of Geodesy of the University of Zagreb, it was time for our generation to see and feel how it is for real, to see what we are and just how much we really learned and how to see how the land lies in the famed "field".

The leader of the practice was Prof. Dr. Miljenko Lapaine, with the help from assistants Vesna Poslončec-Petrić, MSc and Robert Župan, MSc.

About 15 of us absolvents were divided into two groups, two periods of practice. The only reason for that was the limitation of accommodation capacities at the Hvar Observatory. The first group was there from October 11 to October 16, 2005, and the second one, which I was a part of, from October 16 to October 23, 2005. Both groups had the same assignment for professional practice: gather and process spatial data and as much attribute data about the city of Hvar and present the results on a computer.

We settled in bungalows and began exploring the fort. Our host, Domagoj Ruždjak, showed us around and we were introduced with the fort.

Tomorrow morning, well rested and eager, we began working on our assignment. We were divided into two groups, were handed handheld GPS devices, a plan of the city of Hvar, a field sketch on which we wrote down various information and registered our route, and a notebook to keep notes. Each group had to go round a part of Hvar, use to GPS to mark the more important points – buildings, house angles, street intersections..., and all the time keep the sketch and notes and write down information which cannot be recorded by the GPS device. In doing so, we found out that the plan we had did not have stairs on it, which we also felt – it seems that Hvar does not have a single street without stairs!

Using the handheld GPS device, it is possible to register the route one is taking in the form of a line (Tracklog) or point (Waypoint). We used the first option. We also registered some newly built parts that were not on the plan. At the end of every day, we transferred the data into a computer for control and to see our progress.

In our free time, we went sightseeing and saw: the museum of the Hvar Diocese, Hani-bal Lucić's summer resort, St. Stephen's cathedral, the Benedictine monastery, the Hvar theatre, the Franciscan monastery. We learned many things about Hvar, its history and culture. We also visited the District Office for Cadastre – A Branch in Hvar, where we were introduced with its work and maps kept there.

Unfortunately, we didn't have the time to visit the *Fortica* fort, although it lured us with its beauty. The weather was quite bad the last couple of days, but it had no effect on our good mood.

Upon arriving in Zagreb, we processed the gathered data using AutoCAD and Microstation, and produced a thematic representation of a part of the city of Hvar.

This practice was a significant experience for us. Not only did we learn to use GPS devices and process gathered data, but we also applied a whole spectrum of multimedia tools and proved that we got accustomed to the world of new technologies and knowledge.

I would like to thank the Faculty of Geodesy for the organization, the Ministry for financial support, the Hvar Observatory and the whole Hvar for hospitality. I thank everyone for this wonderful experience.

Darja Gojmerac

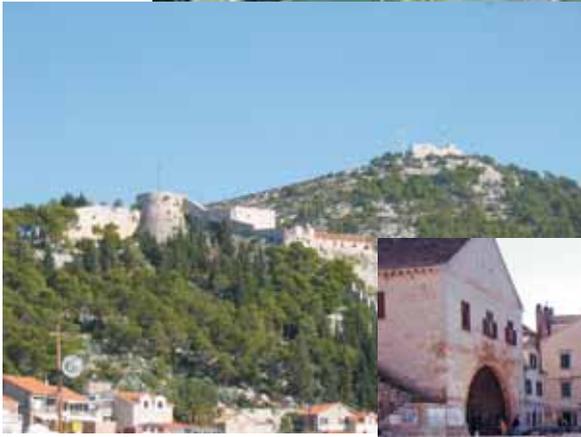
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It all began like this...

Monday, early in the morning, we are in front of the Faculty, half asleep. At last, everyone comes and, with excitement, we begin the excursion. The travel to Hvar was a special experience for itself, especially those like me, to whom this is the first time visiting an island. For the first time, some of us experienced the travel from Zagreb to Split on the new highway and a half hour travel from Split to Stari Grad by ferry. We also enjoyed the sun, the sea and the beautiful landscape everywhere around us.

Upon arriving in Hvar, we settled at the Observatory. For those of you who do not know, we are proud to say that The Hvar Observatory is a department of the Faculty of Geodesy, University of Zagreb. It is located in an old Napoleon's fort and is the highest building in Hvar's vicinity. From its walls, one can experience a spectacular view on the whole island and the nearby islands known as *Pakleni otoci*. Truly a breathtaking view...



Studentska praksa

Hvar, 16-23. listopada 2005.

Nakon višegodišnjeg slušanja priča naših kolega o doživljajima s prakse i raznih putovanja koje je organizirao Geodetski fakultet, napokon je i na našu generaciju došao red da vidimo i osjetimo kako to izgleda uživo. Da vidimo što smo i koliko zapravo naučili i kako se snaći na tom famoznom „terenu“.

Voditelj prakse bio je prof. dr. sc. Miljenko Lapaine, a pomogli su mu asistenti mr. sc. Vesna Poslončec-Petrić i mr. sc. Robert Župan.

Nas petnaestak apsolvenata podijeljeno je u dvije grupe, dva termina prakse. Jedini razlog tomu bio je ograničenost smještajnih kapaciteta na Opservatoriju Hvar. Prva grupa bila je u terminu 11–16. 10. 2005., a druga, u kojoj sam bila i ja, 16–23. 10. 2005. godine. Za obje grupe zadatak stručne prakse bio je isti: prikupiti i obraditi prostorne podatke i čim više atributnih podataka o gradu Hvaru i na kraju dobivene rezultate prikazati na računalu.

A sve je počelo ovako...

Ponedjeljak, rano jutro, krmeljavi se nalazimo ispred Fakulteta. Polako se skupljamo i vidno uzbuđeni krećemo na put. Put do Hvara bio je doživljaj sam po sebi. Posebno onima, među kojima sam i ja, koji prvi put posjećuju neki otok. Neki su prvi put iskusili i dvoiposatnu vožnju trajektom od Splita do Starog Grada i putovanje novom autocestom od Zagreba do Splita. Uz sve to, uživali smo u suncu, moru i predivnim krajolicima svuda oko nas.

Po dolasku u Hvar, smjestili smo se u Opservatoriju. Opservatorij Hvar je, ponosno kažemo za one koji ne znaju, dio Geodetskog fakulteta Sveučilišta u Zagrebu. Smješten je u staroj Napoleonovoj tvrđavi i najviša je građevina u okolici Hvara. S njegovih zidina pruža se prekrasan pogled na cijeli Hvar i okolne Paklene otoke. Pogled, od kojega vam zastaje dah...

Smjestili smo se u bungalove, raspemili i krenuli u istraživanje tvrđave. Naš domaćin Domagoj Ruždjak proveo nas je i upoznao s tvrđavom.

Sutradan ujutro, odmorni i orni, krenuli smo u izvršavanje našeg zadatka. Podijelili smo se u dvije grupe, dobili smo ručne GPS uređaje, plan grada Hvara, terensku skicu na kojoj smo ucrtavali različite informacije i obilježavali put kojim smo prošli te bilježnicu za vođenje zapisnika. Svaka je grupa dobila zadatak obići jedan dio Hvara, snimiti GPS-om sve značajnije točke – građevine, uglove kuća, križanja ulica..., te pritom voditi skicu i zapisnik te zabilježiti informacije koje se ne mogu zabilježiti s pomoću GPS-a. Pritom smo ustanovili da na planu koji smo vodili nisu ucrtane stube, što smo osjetili na svojoj

koži – čini se, naime, kao da u Hvaru ni jedna ulica nije bez stuba!

Ručni GPS uređaj ima mogućnost bilježiti put kojim se kreće u obliku linije (Tracklog) ili točke (Waypoint). Koristili smo prvu opciju. Također smo snimili i ucrtali neke novoizgrađene dijelove koji nisu na planu. Nakon svakog dana prebacivali smo podatke u računalo radi kontrole i da vidimo kako napredujemo.

U slobodno smo vrijeme obišli hvarske znamenitosti: muzej hvarske biskupije, ljetnikovac Hanibala Lucića, katedralu sv. Stjepana, benediktinski samostan, hvarsko kazalište, franjevački samostan. Ondje smo saznali i naučili mnogo toga o Hvaru, njegovoj povijesti i kulturi. Posjetili smo i Područni ured za katastar – Ispostava Hvar, gdje smo upoznati s njegovim radom i kartama ispostave.



Nažalost, iako nas je svojom ljepotom mamila tvrđava Fortica, nismo ju stigli posjetiti. Posljednjih smo par dana imali prilično loše vrijeme, ali to nije omelo naš veseli duh. Nakon povratka u Zagreb, prikupljene smo podatke obradili koristeći se AutoCAD-om i Microstationom, te napravili tematski prikaz dijela grada Hvara.

Ova je praksa za nas značajno iskustvo. Osim što smo naučili koristiti se GPS-om i obrađivati dobivene podatke, primijenili smo cijeli spektar multimedijских alata te pokazali da se uspješno snalazimo u svijetu novih tehnologija i znanja.

Hvala Geodetskom fakultetu na organizaciji i financijskoj potpori, Opservatoriju Hvar i cijelom Hvaru na gostoprimstvu. Hvala svima na ovom divnom iskustvu.

Darja Gojmerac