

ALLEN SPIEGL

President of Croatian Computer Science Association



- *You stayed here for the whole event, and now, on the last day of CEOI 2013 what are your impressions?*

Well, the most important thing for me was that the Scientific Committee didn't have any complaints, and that they are satisfied with how everything went through up to the end. The first day of the competition we had enormous luck with timing because the power went off in the whole area only few hours after the competitors finished their first 3 tasks. I don't know what would happen if that occurred in the middle of work. I'm also

very proud with every competitor here. I think that many adult sportsmen could look up to their serious approach to the competition. I have only compliments for the competitors.

- *If you could travel back in time, on the first day of preparations or to the beginning of this competition, would you change or improve something considering the organization?*

If you had asked me that questions yesterday maybe I would have thought of something. I'm just kidding, as a matter of fact, just few hours ago I was talking to a member of the Polish team, and these guys are world class in this field. He sounded very surprised how everything was going so fluently, like it wasn't much trouble with organizing such an event, and he is very well aware of the amount of money, hard work and time the whole story actually took. And it was really nice to hear that from him. I doubt that I could have get more pleasant compliment for the organization, so, no, I think it would be a little presumptuous to say that I would change anything. All in all, the "working crew" for this competition has done the great job.

Alert!

We highly recommend reading this announcement!



Excursion to Split and Trogir!

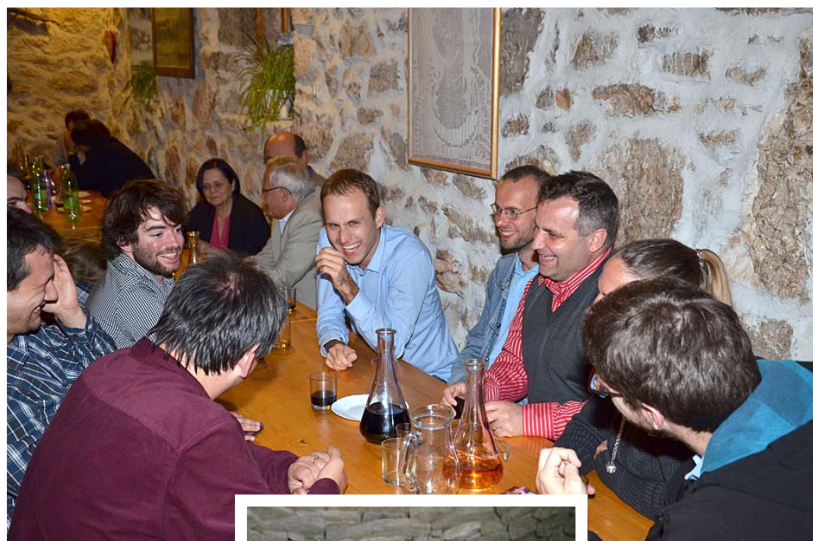
Our first excursion on Wednesday to Krka and Šibenik was a blast! I'm not sure if it could be outranked, but in order of trying, here are a few tips for you:

- 1.) People in Split are very proud (and this is really euphemism) of its football team. If someone stops you on the street and asks you anything, I'm serious now, really, anything - don't go with "I don't understand you", just yell from the top of your lungs "Hajduk!!!". Don't come to me afterwards that you haven't been warned! This is not a contest, and there isn't going to be a time to appeal.
- 2.) Your favourite colour is white. It isn't? Oh, yes, trust me, it is!
- 3.) Your favourite singer is Mate Mišo Kovač. Not negotiable!
- 4.) A piece of thick gold jewellery on you! Not mandatory, but it's definitely going to be appreciated by the locals.

That's about it. Obey this few rules and everything is going to be just fine. You can thank me later. Split is one of the nicest cities in Croatia, the weather is perfect ... Have fun!

Results

Rank	Contestant	Country	Day 1	Day 2	Total
1	Eduard Batmendijn	Slovakia	155	200	355
2	Andrei Heidelbacher	Romania	174	165	339
3	Ivan Lazarić	Croatia	137	175	312
4	Jarosław Kwiecień	Poland	117	165	282
5	Domagoj Bradač	Croatia 2	114	135	249
6	Michał Zieliński	Poland	101	145	246
7	Mihai Popa	Romania	145	95	240
8	Martin Hora	Czech Republic	113	125	238
9	Mislav Bradač	Croatia	60	165	225
9	Dominik Gleich	Croatia	100	125	225
11	Silviu-Emil Popescu	Romania	113	95	208
12	Szilveszter Székely	Hungary	87	115	202
13	Vendel Nagy	Hungary	97	95	192
14	Barbora Kováčova	Slovakia	93	95	188
15	Žiga Željko	Slovenia	113	70	183
16	Eugenie-Daniel Posdărăscu	Romania	109	70	179
17	Tonko Sabolčec	Croatia 2	62	115	177
18	Benjamin Schmid	Switzerland	91	85	176
19	Václav Volhejn	Czech Republic	25	135	160
20	Marin Tomić	Croatia 2	44	115	159
21	Friedrich Hübner	Germany	93	60	153
22	Michal Punčochář	Czech Republic	35	115	150
23	Patrik Zajec	Slovenia	44	105	149
24	Mislav Balunović	Croatia	80	65	145
24	Kamil Rychlewicz	Poland	100	45	145
26	Mário Lipovský	Slovakia	89	50	139
27	Vid Kocijan	Slovenia	53	85	138
27	Kristóf Somogyvári	Hungary	58	80	138
29	Mihael Peklar	Croatia 2	65	65	130
29	Fabian Lyck	Switzerland	55	75	130
31	Moritz Hilscher	Germany	98	30	128
32	Philip Wellnitz	Germany	25	95	120
33	Manuel Gundlach	Germany	58	55	113
34	Timon Stampfli	Switzerland	68	40	108
35	Filip Koprivec	Slovenia	0	105	105
36	Ambrus Weisz	Hungary	29	75	104
37	Michal Bui Truc Lam	Slovakia	55	35	90
38	Jan Ludziejewski	Poland	72	0	72



SOLUTION from October 17 Daily Challenge #4 – "sms"

To avoid double and single quotes use a static allocated string `__func__` which is available in every function. For the entire second line of text we call the function.

We compress the code using macros and default `int` parameters and return values. The + characters are printed using recursions.

This all leads us to 161 octets in the code. Usually, C code ends with the `\n` character, that is the new line character, but as 'we don't care about the last newline in sms', we can discard it.

string.c:

```
#define f __Welcome_to_city_of_Primosten_and_have_the_best_of_luck__
#define p putchar
g(a){p(43);a<57&&g(a+1);}f(){puts(__func__);main(){g(0);p(10);f();g(0);}}
```

bash:

```
$ head -c 160 string.c > sms.c
$ wc -c sms.c
160 sms.c
$ gcc -osms sms.c
$ ./sms > output
$ wc -c output
176 output.txt
$ cat output.txt
+++++
__Welcome_to_city_of_Primosten_and_have_the_best_of_luck__
+++++
```

Feedback from contestants – Mihael Peklar:

*Hello!
I have created a pure-C program that prints out the message, exactly 160 bytes in size to boot. Making it was lots of fun. I must commend you for a job well done, as this competition's dailies were all very nice. Keep up the good work!*

Daily Challenge #5 – "QR (sequel)"

Start here.

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Author: Anton Grbin

Today's Schedule

	CONTESTANTS	LEADERS
FRIDAY, OCTOBER 18, 2013		
07:00-08:00	Breakfast	
08:00-13:30	Excursion Split / Trogir	
13:30-14:30	Lunch	
14:30-15:30	Presentation of the solutions	
16:00-18:00	Activities	Free time
19:00-20:00	Closing Ceremony	
20:00-22:00	Dinner+	

Basic English

Fun..... Zabava
 Song..... Pjesma
 Beach..... Plaža
 Moon..... Mjesec

Croatian Dictionary

Excursion..... Izlet
 Boat..... Čamac
 Town Grad
 Croatia Hrvatska



Primošten Trivia

Primošten is known for its big and beautiful vineyards. The photograph of the most beautiful one is hanging on the wall of UN main building in New York. These days UNESCO is considering putting Primošten's vineyards on the Heritage list.

Apart from the vineyards, Primošten is also well known for a Donkey races, which take place every summer.

The biggest beach in Primošten is Raduča, but there is also Mala Raduča (Small Raduča) - one of the 10 most beautiful beaches in Croatia.



After having introduced the Swiss version of Hide and Seek we are happy to share some more information about the people of the Alper.

When not competing in programming, competitors, the Swiss participants are usually producing chocolate. Two of them own their own chocolate factory, while the third is still just a low-level worker mostly making sure that the squares in the chocolate are up to the highest standards. So next time you bite into some delicious, expensive piece of Swiss chocolate, please think of them! Merci!

Sandro Feuz, Swiss Team Leader