

# AUCPC 2 STAGE Report

AUCPC II stage took place on the 13<sup>th</sup> of September, 2014. In this Contest took part 134 teams from 65 Universities of 28 Ukrainian cities.

The Contests were held in the five sites:

## **THE UKRAINE CENTRAL SUPER REGION**

(Cherkasy Region, Chernihiv Region, Chernyiv Region, Dnipropetrovsk Region, Khmelnytsky Region, Kirovohrad Region, Poltava Region, Sumy Region, Vinnytsia Region):

Site: Khmelnytsky National University, Khmelnytsky

Teams: 28

Universities: 19

Cities: 12

## **THE UKRAINE EASTERN REGION** (Donetsk Region, Kharkiv Region, Luhansk Region):

Site: Simon Kuznets Kharkiv National University of Economics, Kharkiv

Teams: 27

Universities: 9

Cities: 3

## **THE UKRAINE KYIV REGION** (Kyiv Region):

Site: National University of Life and Environmental Sciences, Kyiv

Teams: 24

Universities: 10

Cities: 1

## **THE UKRAINE SOUTHERN REGION**

(Autonomous Republic of Crimea, Kherson Region, Mykolaiv Region, Odesa Region, Zaporizhzhya Region):

Site: Zaporizhzhia National Technical University, Zaporizhzhia

Teams: 22

Universities: 11

Cities: 6

## **THE UKRAINE WESTERN REGION**

(Chernivtsi Region, Ivano-Frankivs'k Region, L'viv Region, Rivne Region, Ternopil Region, Transcarpathian Region, Volyn Region):

Site: Ivan Franko National University of L'viv

Teams: 33

Universities: 16

Cities: 7

All five Contests were run parallel with the help of one on-line system E-Judge. The remote server located in Vinnytsia National Technical University. During the competition in the E-Judge system was no breakdowns. Current status of all teams from all Regions had been displaying during the Contests in a common scoreboard, indicating the Super Region of each team. It was done to inform each participant of the each Super Regional Contest about teams' standing in different Super Regions. The final results were summed up separately for each of the five Super Regions according to the rules of All-Ukrainian Collegiate Programming Contest

Teams were suggested to solve 12 problems (see attached file "Problems"), the results of solutions are given in Table 1. There were no appeals concerning the conditions or test objectives from the teams during the Contests and after their completion.

Table 1

User	A	B	C	D	E	F	G	H	I	J	K	L	Total
Total:	70	51	234	501	90	319	276	81	60	193	104	209	2188
Success:	30	8	130	65	21	44	115	16	7	89	26	103	654
%:	43%	16%	56%	13%	23%	14%	42%	20%	12%	46%	25%	49%	30%

Unfortunately, the problem' set was too difficult for the skill level of many participants of the AUCPC second stage. And 46% of teams couldn't solve any problem.

Table 2 shows the number of teams grouped according to the number of their solutions:

Table 2

#Problems/#Teams	12	11	10	9	8	7	6	5	4	3	2	1	0	Total
CENTRAL	0	0	1	1	1	4	1	6	6	4	2	1	1	28
EASTERN	0	0	2	1	1	2	5	8	5	0	1	1	1	27
KYIV	3	0	1	0	3	0	1	0	2	2	6	5	1	24
SOUTHERN	1	1	1	0	2	0	1	2	5	3	4	1	1	22
WESTERN	2	0	2	0	1	4	2	5	6	7	2	2	0	33
TOTAL	6	1	7	2	8	10	10	23	24	16	15	10	4	134

Region winners have become such teams:

### **CENTRAL REGION:**

Rank	Team	University	Solved	Time
1	VNTU_[wRabbits]	Vinnytsia National Technical University	10	1043

2	DNU-Cifeidion	Dnipropetrovsk National University	9	787
3	VNTU [rWabbits]	Vinnitsia National Technical University	8	810
4	ByeByeACM	Khmelnitsky National University	7	663
5	SSU_BOMBANOLO	Sumy State University	7	701
6	VNTU[RED]	Vinnitsia National Technical University	7	705

#### EASTERN REGION:

Rank	Team	University	Solved	Time
1	KhNURE_United	Kharkiv National University of Radio Electronics	10	933
2	NTUKhPI_iddqd	NT University " Kharkiv Polytechnic Institute"	10	1141
3	KhNU_Ag45Team	V.N. Karazin Kharkiv National University	9	917
4	NTUKhPI_PowerQuirks	NT University " Kharkiv Polytechnic Institute"	8	756
5	KhNU_TheBigBangTheory	V.N. Karazin Kharkiv National University	7	626
6	KhNURE_RandomPeople	Kharkiv National University of Radio Electronics	7	1148

#### KYIV REGION:

Rank	Team	University	Solved	Time
1	Unicon	Taras Shevchenko Kiev National University	12	746
2	Flawless	Taras Shevchenko Kiev National University	12	899
3	Frogs	Taras Shevchenko Kiev National University	12	1408
4	Shamans	Taras Shevchenko Kiev National University	10	1372
5	Forritary	Taras Shevchenko Kiev National University	8	426
6	NTUU_KPI_IASA_bycicle	NT University of Ukraine "Kiev Polytechnic Institute"	8	696

#### SOUTHERH REGION:

Rank	Team	University	Solved	Time
1	ONU 1 2/3	Odesa I. I. Mechnikov National University	12	1282
2	ZNTU_SetUp	Zaporizhzhia National Technical University	11	1289
3	ONU_Antananarivu	Odesa I. I. Mechnikov National University	10	956
4	ONPU_Compote	Odesa National Polytechnic University	8	808
5	ZNTU_Kappatalize	Zaporizhzhia National Technical University	8	1394
6	ONU_0xBBB	Odesa I. I. Mechnikov National University	6	844

#### WESTERN REGION:

Rank	Team	University	Solved	Time
1	LNU Penguins	Ivan Franko National University of L'viv	12	995
2	UzhNU_Brainiacs	Uzhgorod National University	12	1494
3	LNU Motorbreath	Ivan Franko National University of L'viv	10	1057
4	LNU Hallo_World	Ivan Franko National University of L'viv	10	1199
5	PNU_afof32	Vasyl Stefanyk Precarpathian National University	8	799
6	LNU FiredUp	Ivan Franko National University of L'viv	7	349

I would like to express thanks to all sponsors for their support for the Second Stage of All-Ukrainian Collegiate Programming Contest.

My thanks also go to Olena Guazunova, Serhii Kovalchuk, Oleksandr Scherbakov, Natalia Keberle, Serhii Yaroshko for a lot of work on the organization of competitions in sites of their Universities. I want to thank Sergey Petrov (network management and support of the Contest software), Vitalii Bondarenko (Contest Chief Judge) and all authors of the Contest problems.

Last, but not least, I would like to thank all the volunteers who helped run and organize the contest. Without the help of all these people and organizations, it would have been impossible to make this event happen.

Prof. Volodymyr Mesyura,  
AUCPC Coordinator