



Ukrainian Institute of International Education (UIIE)



Kiev International



Workshop

ACM ICPC 2018

(ACM International Collegiate Programming Contest)

Kiev, Ukraine

2018

About the Workshop

October 08-12 ,2018

International Workshop and friendly tournament ACM ICPC 2018 is held by HUB Digital Tsunami of EIIE at University Banking (UB) campus in Kiev, Ukraine, supported by partners in the ITC-industry of Ukraine. The purpose of the workshop is to prepare students to the Regionals and Finals by providing everyday contests, lectures, analyses and upsolving within 7 study days.



The official language of the workshop is English.

We propose two training programs

Part ONE, aimed at finalists and experienced teams of the same level, will have general ACM-style contests exclusively.

Part TWO will have four educational "blocks" focused on a certain topic, with a lecture and a full-scale contest each, and four contests shared with Part ONE.

Information for participant

1. You must have your badge with you at all times. You will be required to show your badge in order to enter academic facility.
2. Your working place assignment will be revealed to you at the registration. Upsolving will be available each day from 8pm to 11pm.
3. Wi-Fi Internet access will be provide an organization, your login and password will be given to you at the registration.
4. Each distributed laptop may have two operating systems available for selection:
 - Mac OS
 - Windows
5. You may download contest materials after the beginning of a contest (pdf statements only). They can be available before on each day lecture.
6. The contest materials will be updated each day at 23:00 with contest analyses and lectures (if any present). They can be send on email.

Lecturers



VLADI V. KRAKOVETSKYI

CEO & Founder in WORLAX.GRAPHICS LLC.

Motivation speaker, innovation manager, organizer, entrepreneur and business owner, video-blogger and traveler, computer programming teacher.

Proficient on Blockchain, Virtual Reality , Artificial Intelligent.

Work Experience:

- **Assistant deputy, Kiev government** — june 2009 - august 2011
- Working with documents and statements from citizens in material and social assistance. Organization of meetings, work personal Secretary at Committee meetings.
- founder and CEO, Smart techno events — september 2016 - present time
<https://www.facebook.com/smarttechnoevent/>
- Co-founder and operation director, startup association ukraine-israil — october 2016 - present time
- Operating activities related to the dissemination of information about the activities of the Association. Search for partners and companies. The organization of meetings of delegates. Attracting funds and accelerators for participating organizations of the Association.
- Co-founder and CEO, WORLAX.GRAPHICS LLC. — december 2016 - present time

Participation in Programming Contest and Hakatons:

- Garage48 hackathon in Odessa 3-5 July, 2015
- Hackathon - Intel® Developer Zone, Intel RealSense Hands-on 24-25 July, 2015
- Smart city hackathon, Kiev, Ukraine 5-6 September, 2015
- EGAP Challenge hackathon solutions for city, Odessa 3-4 July, 2016
- Artificial intelligence hackathon, Tel Aviv, Israel 7-8 Jule, 2017
- Garage48 hackathon VR/AR, Odessa, 17-18 June, 2017
- ACM International Collegiate Programming Contest experience

Dr., Oleksandr Gordieiev
PhD on Engineering, Associate Professor

**Head of CyberSecurity Department
of Banking university, Kyiv, Ukraine.**

Education:

- 2007-2010, Ukrainian academy of banking of the National bank of Ukraine, specialty «Banking», qualification «Specialist in banking»
- 2003-2007, Education in postgraduate in Computer systems and networks department
- 1998-2003, National aerospace university «Kharkiv Aviation Institute», specialty «Computer systems and networks», qualification «Engineer-researcher», honors degree

Academic degrees:

- 2011, Associate Professor of Department of Economic Cybernetics, Ukrainian academy of banking of the National bank of Ukraine
- 2007, PhD on Information technologie



GENNADIY ZHUGA
PhD, Programmer, Radio Engineer

CEO & Founder in Global DJ, PhD

Senior Researcher at KNURE. Area of scientific interests - unified processors and systems of adaptive processing of signals against background noise, radar, navigation, processor technology, radio electronics, **computer programming teacher.**

Education: 1999 – 2004 Professional Education in Radio Engineering (honors diploma) Kharkiv National University of Radio Electronics, Ukraine

Teaching Experience, including Programming Contest:

- June 2006 - Institution: Kharkiv National University of Radio Electronics, Ukraine. Activities: Practical trainings in the “Noise immunity” course, duration: 42 hours.
- November 2006 through December 2006 - Institution: CINVESTAV, Guadalajara, Mexico Activities: Practical trainings in the “Radio Image Processing” course, duration: 376 hours.
- June 2007 - present time **ACM International Collegiate Programming Contest.** Computer Programming teacher, Languages: C/C++

Schedule

1 day	
9:00 - 10:00	Breakfas
9:00 - 12:00	Location:
9:00 - 12:00	Registration
12:00 - 13:00	Location:
13:00 - 13:40	Trial contest
13:40 - 14:30	Location : UB
	Lunch
15:00 - 20:00	Opening ceremony
	Lesson: Technology participation in the competition for programming
	Lector: VLADI KRAKOVETSKYI
	Contest
	Dinner
2 day	
8:00 - 8:45	Breakfast
9:00 - 10:30	Location:
11:00 - 16:00	Lesson: Network flow algorithms
	Lector: GENNADIY ZHUGA
16:00 - 17:00	Location: UB
17:00 - 18:30	Contest
	Location: UB
	Lunch
18:30 - 19:30	Location: UB
	Contest analysis
	Location: UB
	Dinner
	Location:
3 day	
8:00 - 8:45	Breakfast
9:00 - 10:30	Lesson: Combinatorial games and number
11:00 - 16:00	Lector: GENNADIY ZHUGA
16:00 - 17:00	Lunch
17:00 - 18:30	Contest analysis: day 1
18:30 - 19:30	Contest analysis: day 2
20:00 - 22:00	Dinner
	Trip to leader ICT in Ukraine
4 day	
9:30 - 10:30	Breakfast
9:00 - 14:00	VLADI V. KRAKOVETSKYI:
13: 30 - 14:30	Psychological attitude to fight and win
14:30	Contest
14:30	Lunch
16:30	Contest analysis
18:30 - 19:30	Dinner

5 day	
8:30 - 9:00	Breakfast
9:30 - 14:00	Training Contest according to ACM-ICPC rules between Chinese, Ukrainian and mixed teams
13: 30 - 14:30	Lunch
14:30	Training Contest rewarding
14:30	Closing ceremony
16:30	Kiev Workshops
18:30 - 19:30	1th anniversary – celebration
	Dinner
	Trip to leader ICT in Ukraine

The fee of participation in Workshop is 500 \$ per person. This cost includes the curriculum, meals and accommodation on the UDB campus, as well as a participation in Training Contest according to ACM-ICPC rules between Chinese, Ukrainian and mixed teams. For participation only in the Training Contest, an organizational fee of UAH 500 is paid.

Organizers:



"The Ukrainian Institute of International Education (UIIE)" organizes the educational process for obtaining higher education by citizens of the People's Republic of China on a commercial basis in the Global Education Network, which currently includes: Kiev National Economic University named after Vadim Getman (Ukraine), University of Redlands USA), University of Banking (Ukraine), Krakow Economic University (Poland), Mykolas Romeris University (Lithuania), Graduate School of Management (Spain), Kie sky Medical University, National Aerospace University (Ukraine), National Medical University, Vinnitsa Agrarian Academy, Donetsk National University. The network is constantly expanding. In this Global Education Network, students from China can receive a "double diploma", study in English and, during training, launch their technology enterprises - startups in one of the five areas of the HUB Digital tsunami: Artificial Intelligence in Economics; Big Date; FinTech; BlockChain; Cyber safety and security. **UIIE pays great attention to the participation of students in the International Computer Programming Contest, these skills open up opportunities for students to work in international companies - world technological leaders. UIIE established Kiev International Workshop ACM ICPC, which will be held annually in Kiev.**

<SMART TECHNO>

ПРАКТИКУМ ПО ТЕХНОЛОГИЯМ

Smart Techno - since in 2016, an organization that conducts conferences and workshops on technologies such as: artificial intelligence, big data, virtual reality, computer graphics, development of chat bots, programming, design thinking methodology, blockchain and robotics. For two years now we have been holding a technology workshop and a hackathon. We collected more than 3000 people from the computer science fields on one site. The final of the hackathons was able to receive investments from the funds.



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http://uiie.com.ua/news_box12.html



Details and registration -
<https://www.facebook.com/acmicpckiev/>