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Winter School WINT 2017



PROGRAMME

Ukraine
2017 February, 10-17



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TEMPUS SEREIN & CABRIOLET
Winter School WINT-2017
Academia and Industry cooperation in cyber
security and resilience

PROGRAMME

Ukraine,
February 10-17, 2017

Co-organized by
Yuriy Fedkovych Chernivtsi National University
National Aerospace University named after N.E. Zhukovsky “KhAI”

Media Partner
Magazine Carte Blanche

PARTICIPANTS

National Aerospace University n. a. N. E. Zhukovsky “KhAI” Prof. Vyacheslav Kharchenko Senior lecturer Eugene Babeshko Senior lecturer Artem Perepelitsyn Senior lecturer Oleg Illiashenko Assistant lecturer Anastasiia Strielkina Assistant lecturer Alexei Vambol BSc student Alexander Yasko BSc student Ilona Zelinko	Yuriy Fedkovych Chernivtsi National University Prof. Oleg Angelskyi Dr. George Vorobets Dr. Yuliya Tanasyuk Dr. Serhii Balovsyak Assistant lecturer Khristina Odaiska Assistant lecturer Oleksiy Pshenychnyi Assistant lecturer Mykola Skrypskyj MSc student Valentyna Horditsa Sp.Ed. student Vitalii Branashko BSc student Olha Vorobets
Khmelnyskyi National University Dr. Serhii Lysenko BSc student Alina Adamenko	Dnipropetrovsk National University of Railway Transport n. a. V. Lazaryan Dr. Denis Ostapec MSc student Volodymyr Motylenko
Newcastle University Prof. Chris Phillips	
Chernihiv State Technological University Prof. Volodymyr Kazymyr Prof. Vitaly Lytyvov Senior lecturer Maksym Saveliev PhD student Alina Posadska PhD student Irina Posadska BSc student Vlad Kuprienko	Odessa National Polytechnic University Prof. Olexandr Drozd MSc Viktor Laushtan MSc Igor Baklykov
	Carte Blanche magazine Olena Golembovska
	Petro Mohyla Black Sea State University Prof. Yurii Kondratenko Dr. Galyna Kondratenko BSc student Denys Polishchuk BSc student Dmytro Yurin
Institute of Cybernetics of National Academy of Science of Ukraine Prof. Volodymyr Opanasenko	Volodymyr Dahl East Ukrainian National University Prof. Inna Skarha-Bandurova MSc student Michael Hrushka
Institute of Special Communications and Information Security Prof. Serhii Stirenko MSc student Aleksey Fedorov MSc student Andriy Daviduk	
Cluster BIT George Zvirid Andrii Hevyuk, Svitlana Voropaeva,	AMC Bridge Yuriy Mikhaylovskiy Ella Iankovets

SCHEDULE

Time/ date	February 9, Thursday	February 10, Friday	February 11, Saturday	February 12, Sunday	February 13, Monday	February 14, Tuesday	February 15, Wednesday	February 16, Thursday	February 17, Friday
7:00	Arrival, registration				Breakfast				
8:00									
8:15									
8:30									
8:45									
9:00				M. Saveliev, V. Lytvynov	V. Opanasenko				
9:15									
9:30				S. Stirenko	S. Balovsyak				
9:45									
10:00			Registration, coffee-start	A. Fedorov A. Daviduk	M. Skrypskyy				
10:15									
10:30			C.Phillips, V.Kharchenko, G.Vorobets, O.Angelskiy, O.Golembovska A.Hevyuk, S.Voropaeva, T.Pokornyi G.Zvirid	Y. Kondratenko	O.Vorobets	Team-building			
10:45									
11:00				D.Polishchuk, D.Yurin, Y.Kondratenko,	K. Odaiska, S. Balovsyak V.Horditsa, G.Vorobets V.Branasko, O.Pshenychnyi	Team-building			
11:15									
11:30			Y. Mikhaylovskiy, E.Iankovets	Coffee-break					
11:45									
12:00			E. Babeshko	O. Golembovska	V. Laushtan I. Baklykov				
12:15						Transfer			
12:30			A. Perepelitsyn	V. Kazymyr A. Drozd	Wrap up				
12:45									
13:00									
13:15									
13:30		Lunch	Lunch	Lunch					
13:45									
14:00									
14:15									
14:30		A. Strielkina I. Zelinko A. Vambol A. Yasko I. Skarha- Bandurova M. Hrushka	A. Posadska I. Posadska, V.Kuprienko D. Ostapiec V.Motylenko	Free time					
14:45									
15:00									
15:15									
15:30					Transfer				
15:45									
16:00									
16:15									
16:30		Coffee-break			Free time				
16:45									
17:00		S. Lysenko	G. Vorobets		Departure				
17:15		A. Adamenko	Y. Tanasyuk						
17:30									
17:45		Discussion			Dinner				
18:00									
18:15									
18:30		Free time		Transfer	Continued trainings, working in teams				
18:45									
19:00									
19:15									
19:30									
19:45					KhAI, ChNUT	CNU, PMBSNU	KhNU, ONPU	DNURT, discussion	
20:00		Free time	Welcome reception						
20:15									
20:30									
20:45									
21:00									

DETAILED SCHEDULE

February 10, Friday

- 9:45 – 10:30 Registration, coffee start
- 10:30 – 11:00 C. Phillips, V. Kharchenko, G. Vorobets, O. Angelskyi, O. Golembovska.
Introduction. Welcome. WINT 2017 school opening
- 11:00 – 11:30 A. Hevyuk, S. Voropaeva, T. Pokorny. *Overview IT Industry and Features of the Development of IT Sector of Chernivtsi in 2015-2017*
- 11:30 – 11:45 G. Zvirid. *Association “Bukovinian cluster of innovative technology named after Joseph Schumpeter”*
- 11:45 – 12:00 Yu. Mikhaylovskiy, E. Iankovets. *Experience of AMCBridge in cooperation with universities in Ukraine*
- 12:00 – 12:30 E. Babeshko. *Training. Cooperation experience and time management*
- 12:30 – 13:00 A. Perepelitsyn. *Providing of FPGA resources as a service: multiparameterized tasks implementation*
- 13:00 – 14:30 Lunch
- 14:30 – 14:45 A. Strielkina. *Healthcare IoT challenges and possibilities*
- 14:45 – 15:00 I. Zelinko. *Cyber security of off-the-shelf based NPP I&C systems: are successful attacks possible?*
- 15:00 – 15:15 A. Vambol. *Code-based post-quantum asymmetric cryptography*
- 15:15 – 15:30 O. Yasko. *Joint FMEDA-FIT technique and tool: consideration of multiple failures*
- 15:30 – 16:00 I. Skarha-Bandurova. *TEMPUS SEREIN in EUNU: some project deliverables, challenges, and next steps*
- 16:00 – 16:15 M. Hrushka. *Pentest guard: automated penetration testing tool*
- 16:15 – 17:00 Coffee-break
- 17:00 – 17:30 S. Lysenko. *TEMPUS SEREIN in Khmelnytskyi National University. Results and prospects*
- 17:30 – 17:45 A. Adamenko. *Information technology for botnets detection based on the behavior in the corporate area network*
- 17:45 – 18:15 Discussion
- 18:15 – 21:00 Free time

February 11, Saturday

9:00 – 9:30	M. Saveliev, V. Lytvynov. <i>Training. Models and tools of information technology that support university's business incubators of IT companies</i>
9:30 – 10:00	S. Stirenko. <i>Ukrainian Grid certification authority</i>
10:00 – 10:15	A. Fedorov. <i>Writing plugins for volatility framework (by skype)</i>
10:15 – 10:30	A. Daviduk. <i>Means of security analysis for cyber systems information processes management</i>
10:30 – 11:00	Yu. Kondratenko, G. Kondratenko. <i>Training. Investigation of the fuzzy DSS components and subsystems for model-oriented UIC: PMBSNU's results and prospects in the framework of CABRIOLET project</i>
11:00 – 11:30	D. Polishchuk, D. Yurin, Yu. Kondratenko, Ie. Sidenko. <i>Web-oriented software and means for fuzzy DSS development based on the special UIC requirement</i>
11:30 – 12:00	Coffee-break
12:00 – 12:30	O. Golembovska. <i>Training. Media for IT and IT for media</i>
12:30 – 12:45	V. Kazymyr. <i>CNUT's CABRIOLET activities for reporting period</i>
12:45 – 13:15	O. Drozd. <i>Training. Successful experience of startups in ONPU</i>
13:15 – 14:30	Lunch
14:30 – 15:00	A. Posadska. <i>Training. Risk assessment of startup project plan using temporal logic</i>
15:00 – 15:30	I. Posadska, V. Kuprienko. <i>Usage of signature-based detection with statistical methods and neural network in intrusion prevention systems</i>
15:30 – 16:00	D. Ostapiec. <i>About progress of development of practice and lecture-book section</i>
16:00 – 16:15	V. Motylenko. <i>Hardware password manager</i>
16:15 – 17:00	Coffee-break
17:00 – 17:15	G. Vorobets. <i>Principles and methods of synthesis of self-reconfigurable computer means cyber-physical systems</i>
17:15 – 17:45	Yu. Tanasyuk. <i>The Keccak algorithm permutation functions based on the rules of cellular automata</i>
17:45 – 18:15	Discussion
18:15 – 19:00	Free time
19:00 – 21:00	Welcome reception

February 12, Sunday

9:00 – 9:30	V. Opanasenko. <i>Research the Technology of "Reconfigurable computing" for development the FPGA-based problem-oriented devices within the bounds of the project</i>
9:30 – 10:00	S. Balovsyak. <i>Multilevel methods and facilities for signal processing and recognition</i>
10:00 – 10:30	M. Skrypskyi. <i>Comparing the performance of OpenMP and MPI for modeling tasks in the cloud</i>
10:30 – 10:45	O. Vorobets. <i>The software modelling of analytical system for definition of competitiveness IT companies, universities and graduates on the regional labor market</i>
10:45 – 11:00	Kh. Odaiska, S. Balovsyak. <i>Automatic determination of signal-to-noise merit for the photosensitive matrices of cameras and camera-recorder</i>
11:00 – 11:15	V. Horditsa, G. Vorobets. <i>Simulation of the data-transmitting channels for self-reconfigurable telemetric systems</i>
11:15 – 11:30	V. Branashko, O. Pshenychnyi. <i>Automation of telemetry systems trolleybus substations</i>
11:30 – 12:00	Coffee-break
12:00 – 12:15	V. Laushtan. <i>UIC Model Case "Mevics" (by skype)</i>
12:15 – 12:30	I. Baklykov, A. Drozd. <i>UIC model case "PulseGuard"</i>
12:30 – 13:00	Wrap up
13:00 – 14:30	Lunch
14:30 – 16:15	Free time
16:15 – 21:00	Transfer

February 13, Monday

7:00 – 8:00	Breakfast
8:00 – 15:15	Team building
15:15 – 16:15	Transfer
16:15 – 17:00	Free time
17:00 – 18:30	Dinner
18:30 – 21:00	Continued trainings, working in teams, discussions (KhAI, ChNUT)

February 14, Tuesday

7:00 – 8:00	Breakfast
8:00 – 15:15	Team building
15:15 – 16:15	Transfer
16:15 – 17:00	Free time
17:00 – 18:30	Dinner
18:30 – 21:00	Continued trainings, working in teams, discussions (CNU, PBMSNU)

February 15, Wednesday

7:00 – 8:00	Breakfast
8:00 – 15:15	Team building
15:15 – 16:15	Transfer
16:15 – 17:00	Free time
17:00 – 18:30	Dinner
18:30 – 21:00	Continued trainings, working in teams, discussions (KhNU, ONPU)

February 16, Thursday

7:00 – 8:00	Breakfast
8:15 – 15:15	Team building
15:15 – 16:15	Transfer
16:15 – 17:00	Free time
17:00 – 18:30	Dinner
18:30 – 21:00	Continued trainings, working in teams, discussions (DNURT)

February 17, Friday

7:00 – 8:00	Breakfast
8:00 – 12:00	Team building
12:00 – 12:45	Transfer
12:45 – 21:00	Departure