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Winter School WINT 2016



PROGRAMME

Ukraine,
February 6-12, 2016



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TEMPUS SEREIN-CABRIOLET

Winter School WINT-2016

PROGRAMME

Ukraine,
February 6-12, 2016

Co-organized by

National Aerospace University named after N.E. Zhukovsky “KhAI”
Yuriy Fedkovych Chernivtsi National University
Chernihiv National University of Technology

In cooperation with

RPC Radiy

Media Partner

Magazine Carte Blanche

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SCHEDULE

Time/ date	February 6, Saturday	February 7, Sunday	February 8, Monday	February 9, Tuesday	February 10, Wednesday	February 11, Thursday	February 12, Friday
7:00			Breakfast				
8:00			Team-building				
8:15							
8:30							
8:45							
9:00		Breakfast					
9:15							
9:30							
9:45							
10:00		Registration					
10:15							
10:30		WINT 2016 opening V. Kharchenko, J. Vain O. Golembovska					
10:45							
11:00							
11:15		A. Biriukov					
11:30							
11:45		S. Lysenko					
12:00							
12:15		K. Kyzyma					
12:30		A. Drozd					
12:45							
13:00							
13:15							
13:30		Lunch					
13:45							
14:00			Transfer				
14:15		A. Gordieiev	Free time				
14:30							
14:45		I.Skarha-Bandurova					
15:00							
15:15		M. Hrushka					
15:30							
15:45		S. Mykhailenko					
16:00			Lunch				
16:15			Coffee-break				
16:30							
16:45							
17:00							
17:15				V. Opanasenko	G. Vorobets	A. Yasko	
17:30			J. Vain	A. Perepelitsyn	O.Pshenychnyi, S.Balovsyak	D. Lysenko	
17:45							
17:50			N. Zagorodna, R. Kozak	V. Plemedyale, V. Laushtan			
18:00							
18:10							
18:15	Arrival, registration	V. Kharchenko, A. Gordieiev	O. Maksymets	V. Kazymyr	V. Branasko, O. Pshenychnyi	S. Surkov	
18:30			Coffee-break				
18:45							
19:00		Discussion, Eye tracking monitoring		E. Maevskaia, D. Maevsky, D. Maevsky, D. Stetsyk	I. Posadska	Y. Kondratenko, A. Topalov	
19:15							
19:30			R. Joraev			Y. Kondratenko, E. Sidenko, G.Kondratenko, O. Gerasin, Y.Zaporozhets	
19:45				D. Maevsky, E. Stetsyk	A. Posadska		
20:00						A. Gordieiev	
20:15			Discussion, Eye tracking monitoring				
20:30						Closing session	

Departure,
transfers to
Yaremcha
and Ivano-
Frankivsk

DETAILED SCHEDULE

February 7, Sunday

- 8:30 – 9:30 Breakfast
- 9:45 – 10:30 Registration
- 10:30 – 11:00 V. Kharchenko, J. Vain. *Introduction. WINT 2016 school opening.*
- 11:00 – 11:15 O. Golembovska. *Welcome note from media partner Carte Blanche.*
- 11:15 – 11:45 A. Birykov. *Smart city & cybersecurity*
- 11:45 – 12:15 S. Lysenko. *TEMPUS SEREIN on-going in Khmelnytskyi National University*
- 12:15 – 12:30 K. Kyzyma. *DNS-based anti-evasion technique for botnets detection*
- 12:30 – 13:00 A. Drozd. *Development of Start-up projects in view of resource-based approach*
- 13:00 – 14:00 Lunch
- 14:00 – 14:45 A. Gordieiev. *Assessment of user interfaces usability based on user experience*
- 14:45 – 15:15 I. Skarha-Bandurova. *TI EUNU developments in frame of TEMPUS SEREIN*
- 15:15 – 15:45 M. Hrushka. *Penetration testing with the single-board computers*
- 15:45 – 16:15 S. Mykhailenko. *Eye tracking in cybersecurity*
- 16:15 – 17:00 Coffee-break
- 17:00 – 17:50 V. Sklyar. *University-Business Cooperation in safety-critical certification: Case study of FPGA-based RadICS platform licensing against requirements of the U.S. Nuclear Regulatory Commission*
- 17:50 – 18:15 V. Butenko. *Methods and tools selection during the modelling of safety-critical systems using Markov chains*
- 18:15 – 18:30 V. Kharchenko, A. Gordieiev. *Principles of CABRIOLET portal development for UI communication*
- 18:30 – 19:30 Discussion, Eye tracking monitoring
- 19:30 – 20:30 Free time

February 8, Monday

- 7:00 – 8:00 Breakfast
8:15 – 13:45 Team building
13:45 – 14:30 Transfer
14:30 – 16:00 Free time
16:00 – 17:00 Lunch
17:00 – 17:45 J. Vain. *Provably correct development of robotic systems with multi-view contracts*
17:45 – 18:10 N. Zagorodna, R. Kozak. *TEMPUS SEREIN on-going results in Ternopil Ivan Pului National Technical University*
18:10 – 18:30 O. Maksymets. *Using the Data Mining and machine learning methods to detect attacks in designing resilient computer system*
18:30 – 19:00 Coffee-break
19:00 – 20:00 R. Joraev. *Smart.ME University - new way for publication and monetization of online content*
20:00 – 20:30 Discussion, Eye tracking monitoring

February 9, Tuesday

- 7:00 – 8:00 Breakfast
8:15 – 13:45 Team building
13:45 – 14:30 Transfer
14:30 – 16:00 Free time
16:00 – 17:00 Lunch
17:00 – 17:30 V. Opanasenko. *Development of a pseudo-random number FPGA-based generator*
17:30 – 17:50 A. Perepelitsyn. *Methods of multiparameterized FPGA systems development considering the resource requirements*
17:50 – 18:10 V. Plemedyale, V. Laushtan. *Project "MeViCS" in progress*
18:10 – 18:30 V. Kazymyr. *Mobile Rada as a startup product for resilience in human domain*
18:30 – 19:00 Coffee-break
19:00 – 19:15 E. Maevskaya, D. Maevsky. *ONPU activities in context of TEMPUS CABRIOLET project*

- 19:15 – 19:30 D. Maevsky, D. Stetsyk. *Resilience Software - main problems and challengers.*
- 19:30 – 20:00 D. Maevsky, E. Stetsyk. *Evaluating the Computer Energy Consumption at the Stage of Software Development.*
- 20:00 – 20:30 Discussion, Eye tracking monitoring

February 10, Wednesday

- 7:00 – 8:00 Breakfast
- 8:15 – 13:45 Team building
- 13:45 – 14:30 Transfer
- 14:30 – 16:00 Free time
- 16:00 – 17:00 Lunch
- 17:00 – 17:30 G. Vorobets. *Results of model-oriented interaction S2B & B2S in computer engineering between Chernivtsi National University and by Holland – Ukraine IT firm Yukon.*
- 17:30 – 18:00 O. Pshenychnyi, S. Balovsyak. *Methods and means of improving the quality of local image processing in telemetry systems*
- 18:00 – 18:30 V. Branashko, O. Pshenychnyi. *Integrated security system and user anonymity on the Internet*
- 18:30 – 19:00 Coffee-break
- 19:00 – 19:30 I. Posadska. *The features of startup project on network security*
- 19:30 – 20:00 A. Posadska. *Usage of temporal logic for risk assessment in the network planning*
- 20:00 – 20:30 Discussion, Eye tracking monitoring

February 11, Thursday

- 7:00 – 8:00 Breakfast
- 8:15 – 13:45 Team building
- 13:45 – 14:30 Transfer
- 14:30 – 16:00 Free time
- 16:00 – 17:00 Lunch
- 17:00 – 17:30 A. Yasko. *Tool for automation of FMEDA: how to decrease risk of safety assessment.*
- 17:30 – 18:00 D. Lysenko. *Technologies of remote control and*

monitoring of household power: case study

- 18:00 – 18:30 S. Surkov. *Project “Smart Home” in Progress*
- 18:30 – 19:00 Coffee-break
- 19:00 – 19:30 Y. Kondratenko, A. Topalov. *Peculiarities of academic-industry cooperation in the monitoring and automation of ship's docking operations*
- 19:30 – 20:00 Y. Kondratenko, E. Sidenko, G. Kondratenko, O. Gerasin, Y. Zaporozhets. *University-industry experience in the design of mobile robots for motion on vertical and sloping ferromagnetic surfaces*
- 20:00 – 20:15 A. Gordieiev. *Results of user interfaces usability assessment*
- 20:15 – 20:30 Closing session