

International conference

TACSIT

Theoretical and Applied Computer Science and
Information Technologies

May 12-13, 2017



Programme

CONFERENCE PROGRAM
II International Conference TACSIT – Friday 12 May 2017

8.30-9.30	Registration / Networking Tea		
Plenary Session			
9.30-9.45	Welcome & Overview of the II International Conference on Theoretical and Applied Computer Science and Information Technologies Oleksandr Ryazantsev,		
9.45-10.00	Welcome from the Impulse Research Corporation Viktor Largin		
10.00-10.15	ALIOT: New Horizons for Research and Study Inna Skarga-Bandurova		
10.15-10.30	Interdisciplinary research in EUNU Oleksandr Suvorin		
10.30-11.00	Morning Tea & Exhibition		
Plenary Session			
11.00-11.45	Using Computer Wireless Sensor Networks in Cyber-Physical Systems Gennady Krivulya, Oleksiy Lypchanskyy		
11.45-12.30	The Influence of Resonances on the Effectiveness of Aerosol Nano-Catalysis Volodymyr Kardashuk, Oleksandr Ryazantsev, Dmytro Nedzelsky, John Mayova		
12.30-13.15	Event-Simulation Modeling of Complex Technological Systems in Information Technology for Enterprise Risk Management Volodymyr Lyfar		
13.15-14.30	Lunch & Exhibition		
	Stream 1	Stream 2	Stream 3
14.30-15.00	Processing Technique for Digital Texture Mapping in Aerospace Monitoring Information Systems T. Kovalenko	Development of Specialized Software for Automated System Svitlana Safonova, P. Fursa	Selection of Data Mining Analytic Tools to Modern Enterprise Project Implementation Viktor Barbaruk
15.30-16.00	Designing an Engine for High-Load Image-Board in CLOJURE Lina Barbaruk, Oleksandr Davydenko	Peculiarities of Asynchronous Programming Web Applications Eugene Scherbakov, Marina Scherbakova	Predicting Human Action Scenarios Based on Their Records in Social Networks Ilya Baev
16.30-17.00	The Application of Modern Web-Programming Tools for Soccer's Website Lina Barbaruk, Oleksandr Shvachka	Using Android-devices in Control Systems Marina Scherbakova, Eugene Scherbakov	Phenomenology of Image Thinking in the Context of Artificial Intelligence Yurii Prokopchuk
17.00-17.20	Tea & Networking		
	Stream 1	Stream 2	Stream 3
17.20-17.50	Designing of Intellectual Decision-Making System for Forecasting Changes in the Teacher's Contribution to the Indicators of the Department Oleksandr Melnikov	Behavior Biometric Authentication System as Tool for Evaluation the Ability to do Critical Work Andriy Lutskiv	Android-Based Information System to Support an Individual Plan for Taking Medications and a Diet in Case of Gastritis Artem Minailenko, Lydmila Neudakina
17.50-18.20	Intelligent Decision Support System Based on Multi-Agent Technology Dmytro Chumachenko	The Safety of Using ATMs and Terminals Vitaliy Svetlichniy, Yuriy Onishchenko	Personalized Intelligent System for Mobile Health Oleg Dorosh, O. Stepanyuk
18.20-18.50	Information Technology Supporting Operator of Chemical Production During Pre-Alarm Modes Larisa Shumova	Toward the new capabilities of video surveillance systems Oleksandr Ardel, Inna Skarga-Bandurova	The Use of Information Technology for Fetal Monitoring Tetyana Biloborodova, Artem Velykzhanin
Networking			

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8.30-9.30	Tea / Networking		
	Round Table		
9.30-9.45	TEMPUS SEREIN, ERASMUS+ ALIOT teams O. Ryazantsev, I. Skarga-Bandurova, O. Suvorin, V. Largin, V. Lyfar		
10.30-13.15	Excursion to the Impulse Research Corporation		
13.15-14.30	Lunch		
	Stream 2	Stream 2	Stream 3
14.30-15.00	Remote Diagnostics System for Corrosion Damage of Underground Pipelines Oleksandr Vladymyrskyy, I. Vladimirsky	Comparative Analysis of Open Source SDN Controllers Marina Derkach, Vlad Hyshev	Features of Constructing Agricultural SCADA Systems Viktor Smolij, Mykhailo Vasjuhin
15.30-16.00	The Method of Programmatic Control of a Mobile Robot with Incomplete Information Using an Adaptive Choice Strategy Dodonov B.	Development of the Laboratory Test Facility on Arduino Platform Lina Barbaruk, Nikita Kharkovskiy	Influence of Non-Sinusoidal Supply Voltage on the Torque Pulsation and Overheating of the Windings of the Auxiliary Asynchronous Motor Mikhail Pustovetov
16.30-17.00	Modeling and Analysis of the Processes Hazard Level Olena Lyfar	Overview of SDN Simulation Tools Maryna Derkach, Ikonnikov D.	Testing of Vibration Measuring Transducers for Air and Water Temperature Taranenko Ю., Oleynik O.
	Closing		
17.20-18.00			