

# Schedule

of the 2<sup>nd</sup> International Conference on Computer Algebra  
and Information Technologies  
(August 21-26, 2016, Odessa, Ukraine)

Sunday, August 21<sup>th</sup>

<b>9:00 - 18:00</b>	<b>Registration</b>	Main Department of I.I. Mechnikov Odessa National University, str. Dvoryanskaya 2, Odessa
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Monday, August 22<sup>nd</sup>

**10.00 - 10.30** **Opening Ceremony**

10.30 - 10.50	<b>Petryshyn L.</b> , Application of Anti-Grey Code in Digital Components Diagnosing, <i>AGH University of Science and Technology, Poland</i>
10.50 - 11.10	<b>Rogowski J.</b> , The comparison of the web applications development frameworks Ruby on Rails, Django and Grails, <i>Branch of the University of Lodz in Tomaszow Mazowiecki, Poland</i>
11.10 - 11.30	<b>Varbanets P.</b> , Character sums over $Z[i]$ , <i>I.I. Mechnikov Odessa National University, Ukraine</i>
11.30 - 11.50	<b>Savastru O.</b> , Divisor problem in special sets of Gaussian integers, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
11.50 - 12.20 Coffee break	
12.20 - 12.40	<b>Arsirii O.</b> , Structural and parametric synthesis method of energy-saving physical prototypes for aerodynamic and hydraulic systems auxiliary elements, <i>Odessa National Polytechnic University, Ukraine</i>
12.40 - 13:00	<b>Glazunov N.</b> , Computer algebra and motivic zeta functions of algebraic varieties over fields of characteristics $p$ , <i>National Aviation University, Ukraine</i>
13.00 - 14.40 Lunch break	
14:40 - 15:00	<b>Granik Yu.</b> , Optimization problems and practices in microelectronic manufacturing, <i>Mentor Graphics Corporation, USA</i>
15.00 - 15.20	<b>Volkova A.</b> , Optimization techniques in implementation of linear time-invariant control systems, <i>Sorbonne Universites, France</i>
15.20 - 15.40	<b>Shchelkonogov D.</b> , Algorithms of classification of mass problems of production subject domains, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
15:40 - 16:00	<b>Al-Jasri G.Kh.M.</b> , The study of methods for solving systems of TDOA-equations in sound source localization problems, <i>Odessa National Politechnic University, Ukraine</i>
16.00 - 16.20 Coffee break	
16.20 - 16.40	<b>Zorilo V.</b> , Analysis of the digital image in terms of different types of blur tools Adobe Photoshop, <i>Odessa National Politechnic University, Ukraine</i>
16.40 - 17.00	<b>Lubota V.</b> , Deciding the optimization problems via Visual Prolog, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
17.00 - 17.20	<b>Shvorob I.</b> , Document-oriented graph as a way of saving semistructured medical data, <i>Lviv Polytechnic National University, Ukraine</i>
17.20 - 17.40	<b>Antonenko O.</b> , Semigroups generated by some classes of Mealy automata, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
20.00 - ...	Wellcome Party

## Tuesday, August 23<sup>rd</sup>

10.00 - 10.20	<b>Waszkielewicz W.</b> , Modeling of Multiprocessor Control Systems, <i>AGH University of Science and Technology, Poland</i>
10.20 - 10.40	<b>Rychlik A.</b> , System for the sale of intellectual property through IPTV, <i>Lodz University of Technology, Institute of Information Technology, Poland</i>
10.40 - 11.00	<b>Levin M.</b> , Structuring aspects of personal data protection, <i>Odessa Regional Institute for Public Administration, Ukraine</i>
11.00 - 11.20	<b>Rublev V.</b> , On some results in computational complexity analysis of integer relation algorithms(online), <i>P.G. Demidov Yaroslavl State University, Russia</i>
10.20 - 11.40	<b>Kryvonos O.</b> , Model of hybrid intelligent system for image analysis(online), <i>I.I. Mechnikov Odessa National University, Ukraine</i>
11.40 - 12.00	<b>Petryshyn M.</b> , Application of vector-branching schemes in IFT processes modeling, <i>Precarpathian National University, Ukraine</i>
12.00 - 12.20 Coffee break	
12.20 - 12.40	<b>Glava M.</b> , Comparison of the nominal type properties of objects of different subject domains, <i>Department of Economic Cybernetics and Information Technologies, Odessa National Polytechnic University, Ukraine</i>
12:40 - 13:00	<b>Kozina M.</b> , Steganographic method for digital images authentication, <i>Odessa national polytechnic university, Ukraine</i>
13.00 - 14.40 Lunch break	
14:40 - 15:00	<b>Varbanets P., Varbanets S., Tran The Vinh</b> , Pseudorandom numbers and their applications, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
15.00 - 15.20	<b>Synehlazov V.</b> , Information technologies of computer aided design systems based on dynamic data integration and simulation procedures, <i>National Aviation University, Ukraine</i>
15.20 - 15.40	<b>Vorobyov Ya.</b> , On summatory function of some class of multiplicative functions, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
15:40 - 16:00	<b>Dobrovolsky G.</b> , Pronunciation quality assessment by comparison with example, <i>Zaporizhzhya National University, Ukraine</i>
16.00 - 16.20 Coffee break	
16.20 - 16.40	<b>Galmak A.</b> , Computer algebra of three-dimensional matrixes, <i>Mogilev State University of Food Technologies, Republic of Belarus</i>
16.40 - 17.00	<b>Shestak Ya.</b> , Management performance network, <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
17.00 - 17.20	<b>Sokhor I.</b> , Finite Groups and Computer Algebra, <i>Francisk Skorina Gomel State University, Republic of Belarus</i>
17.20 - 17.40	<b>Zerko A.</b> , Analysis of Data Secure Proofs in Operating Systems, <i>Taras Shevchenko National University of Kyiv, Ukraine</i>

Wednesday, August 24<sup>th</sup>

## Independence Day of Ukraine

### Excursion Day

Thursday, August 25<sup>th</sup>

10.00 - 10.20	<b>Balyas L.</b> , Exponential sums with characters over the norm group, <i>I.I.Mechnikov Odessa National University, Odessa, Ukraine</i>
10.20 - 10.40	<b>Lisitsyna I.</b> , A unified approach to hierarchical classifications, <i>I.I.Mechnikov Odessa National University, Odessa, Ukraine</i>
10.40 - 11.00	<b>Panchenko B.</b> , Automated synthesis of accurate alternative time segments upon the commutation of periodically-discreet signals, <i>V.M. Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine, Ukraine</i>
11.00 - 11.20	<b>Sviridov A.</b> , The Fibonacci Q-matrix coding method, <i>I.I.Mechnikov Odessa National University, Odessa, Ukraine</i>
11.20 - 11.40	<b>Filatova T.</b> , Application of graphical representations for analysis criteria, <i>Odessa National Polytechnic University, Ukraine</i>
11.40 - 12.00	<b>Udovenko S.</b> , Adaptive strategies of mobile objects RL-control, <i>Kharkiv National University of Radioelektronics, Ukraine</i>
12.00 - 12.20 Coffee break	
12.20 - 12.40	<b>Taran Y.</b> , An analysis of the heuristic method for constructing Bayesian networks in terms of program implementation within the framework of extensible architecture, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
12:40 - 13:00	<b>Gunchenko Yu.</b> , The model of functioning training systems of intensive training of air traffic controllers, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
13:00 - 13:20	<b>Zaganich D.</b> , Development of the effective vocabulary structures for the speech recognition tasks, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
13.20 - 13.40	<b>Kosukhin N.</b> , Cryptanalysis of asymmetric algorithms using ant colony optimization, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
13.40 - 14.00	<b>Tsariuk A.</b> , Review of methods of analysis of educational and organizational information to improve the quality of specialist training, <i>I.I. Mechnikov Odessa National University, Ukraine</i>
<b>14.00 - 14.30</b>	<b>Financial Report</b>
<b>14.30 - 15.00</b>	<b>Closing Ceremony</b>

Friday, August 26<sup>th</sup>

Relaxation Time