Programme of the International Scientific – Practical Conference «INNOVATIVE INFORMATION TECHNOLOGIES»

Prague – 2014
April 21-25
The programme of The Third International Scientific – Practical Conference is presented below. The Conference reflects the modern state of innovation in education, science, industry and social-economic sphere, from the standpoint of introducing new information technologies.

Digest of Conference materials is presented in 3 parts. It is interesting for a wide range of researchers, teachers, graduate students and professionals in the field of innovation and information technologies.

The editorial board:

EVENTS

Section 1
«INNOVATIVE INFORMATION TECHNOLOGIES IN EDUCATION»

Section 2
«INNOVATIVE INFORMATION TECHNOLOGIES IN SCIENCE»

Section 3
«INNOVATIVE INFORMATION TECHNOLOGIES IN INDUSTRY»

Section 4
«INNOVATIVE INFORMATION TECHNOLOGY IN SOCIAL-ECONOMIC SPHERE »

«INTERNATIONAL FESTIVAL «DIGITAL FUTURE - 2014»

ROUND TABLES, WORKSHOPS, MASTER CLASSES

CONTACTS

Organizing Committee: 109028, Moscow, B. Trehsvyatitelsky per., 3, HSE, RT.
E-mail: i2t@diag.ru, i2t.conf@gmail.com

Contact information:

• General questions - Ilya A. Ivanov, tel.: +7 (926) -3830740
• Chairman of the organizing committee - Saygid U. Uvaysov, tel.: +7 (926) -8080190

E-mail: i2t@diag.ru

ATTENTION! Please follow the updates on the site WWW.DIAG.RU
THE SCIENTIFIC PRESIDENT

Tikhonov, A.N. - Prof. Dr. Academician of Russian Academy of Education, Laureate of the Russian Federation Government Prize, Researcher, Director Moscow Institute of Electronics and Mathematics HSE.

CHAIR OF THE PROGRAM COMMITTEE

Maslov, V.P. - Prof. Dr. Academician of Russian Academy of Science, Head of the Department of Statistics and Quantum Theory, The M.V. Lomonosov State University Moscow.

PROGRAM COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aldoshin S.M., Academician of Russian Academy of Science</td>
<td>Moscow, Vice-president of Russian Academy of Science</td>
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<tr>
<td>Branko Katalinic, Prof.</td>
<td>Wien, President of the International DAAAM network of academic and scientific cooperation</td>
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<td>Bugaev A.S., Academician of Russian Academy of Science</td>
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<td>Vasiliev V.N., Member of Russian Academy of Science</td>
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<td>Moscow, President of RAO, President of SPSU</td>
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<td>Frumin I.D., Prof.</td>
<td>Moscow, Scientific director of the Institute of Education HSE</td>
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<tr>
<td>Cheremisina E.N., Prof.</td>
<td>Dubna, Director of the Institute of System Analysis and</td>
</tr>
</tbody>
</table>
Programme of the International Scientific – Practical Conference
«INOATIVE INFORMATION TECHNOLOGIES»

<table>
<thead>
<tr>
<th>Management of International University &quot;Dubna&quot;</th>
</tr>
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<tr>
<td>Schoor L.N., Prof.</td>
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</table>

**CHAIR OF THE ORGANIZATIONAL COMMITTEE**
Uvaysov, S.U. - Prof. Dr., Laureate of the Russian Federation Government Prize, Head of Department, Moscow Institute of Electronics and Mathematics HSE.

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Abrameshin, A.E. - Candidate of Sociological Sciences, Deputy Director Moscow Institute of Electronics and Mathematics HSE.

**ACADEMIC SECRETARY**
Ivanov, I.A. - Ph.D., Deputy Head of Department, Moscow Institute of Electronics and Mathematics HSE.

**ORGANIZATIONAL COMMITTEE**

<table>
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<tr>
<th>Avdoshin S.M., Docent</th>
<th>Moscow, Head of the Department of Software Engineering HSE</th>
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<tr>
<td>Berulava M.N., Academician of Russian Academy of Education</td>
<td>Moscow, Deputy of member of Russian State Duma Committee for Education</td>
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<td>Biktimirov M.R., Prof.</td>
<td>Moscow, Deputy of Director for Innovations Computing Center of RAS</td>
</tr>
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<td>Golcman G.N., Prof.</td>
<td>Moscow, Head of the Department of Moscow State Pedagogical University, Head of the Department of JSC &quot;Skontel&quot; MIEM HSE</td>
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<td>Katirin S.N.</td>
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<td>Korshunov S.V., Prof.</td>
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<td>Moscow, Director of FSUE ARRIOPM</td>
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<td>Kudzh S.A., Prof.</td>
<td>Moscow, Rector of MIREA MIREA</td>
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<td>Saint-Petersburg, Rector of SPSU</td>
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<td>Skalicky Peter, Prof.</td>
<td>Wien, President of Top Industrial Managers for Europe</td>
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<td>Stecenko Yu.P., Prof.</td>
<td>Wien, Russian trade representative in Austria</td>
</tr>
<tr>
<td>Titkova N.S.</td>
<td>Moscow, Chief of Student Design Bureau MIEM HSE</td>
</tr>
<tr>
<td>Turov A.V.</td>
<td>Prague, Russian trade representative in Czech Republic</td>
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<tr>
<td>Shmid A.V., Prof.</td>
<td>Moscow, General Director of &quot;EC-Leasing&quot;</td>
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</tbody>
</table>
Organizational committee of the

INTERNATIONAL FESTIVAL «DIGITAL FUTURE - 2014»

Chairman - Aygistov A.A., head of the Russian Agency for Development of the Information Society (RARIO), Chair of the All-Russian Council of non-profit organizations, the International Academy of Television and Radio

Ganin AA - Deputy Director General of the Russian Agency for Development of the Information Society (RARIO), executive director of the Public Council Information Development "Rosinformrazvitie"

ORGANIZERS

<table>
<thead>
<tr>
<th>General organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Research University “Higher school of economics”</td>
</tr>
<tr>
<td>Russian Centre of Science and Culture in Prague</td>
</tr>
</tbody>
</table>

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| National Instruments |
| Experimental Studio "NaukaSoft" |

Support

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| Russian Academy of Sciences |</p>
<table>
<thead>
<tr>
<th>Programme of the International Scientific – Practical Conference «INNOVATIVE INFORMATION TECHNOLOGIES»</th>
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<tr>
<td>Ministry of Education and Science of the Russian Federation</td>
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<td>Ministry of Communications and Mass Communications of the Russian Federation</td>
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<td>ROSSOTRUDNICHESTVO</td>
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<td>Federal Agency for Youth Affairs</td>
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<td>ROSTEC Corporation</td>
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<td>Chamber of Commerce and Industry of the Russian Federation</td>
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**Organisational partners**

National Research Nuclear University «MEPhI»
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<th>Institution</th>
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<td>St. Petersburg National Research University of Information Technologies, Mechanics and Optics</td>
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<td>National Research Tomsk State University</td>
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<td>Samara State Aerospace University</td>
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<td>National Research University St. Petersburg State Polytechnical University</td>
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<td>Saint Petersburg Electrotechnical University «LETI»</td>
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<td>Federal State Scientific Institution «Institute for Information Technology Education» Russian Academy of Education</td>
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<td>Moscow State University of Radio Engineering, Electronics and Automation</td>
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<td>Dubna International University for Nature, Society and Man</td>
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Belgorod State Technological University named after V.G.Shukhov

Moscow State University of Economics, Statistics and Informatics

Russian Agency for Development of the Information Society

College of information Management, Business Administration and Law

Information Partners

Newspaper "Poisk"
Newspaper "Souznoe Veche"
"Information Technologies"
"Measurement Techniques"
"Quality. Innovation. Education"
"Sensors and Systems"
"EMC Technologies"
"Methods of Management Quality"
"Management Challenges"
Dear participants of the 3rd international scientific and practical conference "Innovative Information Technologies"!

I am very pleased to welcome all of you in our key working session, which brings together professionals in the field of innovation and information technology - so important base for the development of scientific and industrial potential in all spheres of human activity.

Today, a new generation of IT solutions converts the information into a strategic asset, allowing reduction of costs without sacrificing quality of service, and without stifling creativity and efficiency of the workforce. These technologies help organizations to reduce risks, improve safety and reduce transaction costs of business development. Implementation of these solutions has become an important foundation for the development of science and technology, education and the economy in general.

In this context, the 3rd international scientific and practical conference "Innovative Information Technology" is an important working tool for solving the problems faced by a variety of industries. It means, first and foremost, the acceleration of innovation processes in accordance with the objectives of the “Strategy of the Development of Education, Science and Technology in the Russian Federation”, the development of intelligent process control systems, and ensuring the implementation of modern information systems. The comprehensive conference program provides Russian and foreign participants with the ample opportunity for mutual information and experience exchange, professional communication and stronger business cooperation.

I sincerely wish the organizers, participants and guests of the 3rd international scientific and practical conference "Innovative Information Technology" the great success on the way of finding innovative solutions facing new challenges, and good luck in establishing productive business contacts!

Tikhonov A. N.
Welcoming word to the participants
of the 3rd international scientific and practical conference
"Innovative Information Technologies"

Leonid Anatoljevich Gamza
Director of the Russian Center for Science and Culture in Prague

Dear Organizers, Dear Participants, and Dear Guests of the 3rd international scientific and practical conference "Innovative Information Technologies"!

Thank you very much for the opportunity to join the conference, which has been dedicated to innovative information technologies and their exploitation for building an educational platform in Russia and abroad.

We are all aware that improvement in management education using advanced information technology is one of the most important factors in the progressive development of sustainable economy and society as a whole.

Co-operation between governments and research, innovation and education institutions in different countries of the world has been developing differently and depends on variety of factors. Major achievement of this conference, held in Prague for the third time, consists in the fact that it puts together Russian government and municipal authorities, Russian public organizations, and Russian higher educational institutions with the same ones coming from different foreign countries. I believe that together we will be able to share experience, develop and deepen the theoretical foundations of research in order to harmonize various scientific approaches, and we will overcome so far fragmented scientific knowledge in the field of innovative information technology.

The new recommendations for further educational reforms based on extensive exploitation of information technology innovations, are going to be the most important outcome of the conference.

I wish the organizers and participants of the scientific and practical conference "Innovative Information Technologies" a lot of success and enjoyment from their fruitful work.

L. A. Gamza
Dear participants of the conference "Innovative Information Technologies" (I2T)!

The current information society has been characterized by high level of information and innovation technologies that are being intensively used by people, businesses, and governments. The economic development has been more and more conditioned by intellectual activity, higher technological level of production and by implementation of new innovation information technologies.

The international experience clearly shows that innovation information technologies have become an engine to the socio-economic development of many countries, and that free access of people to information is a top priority of the governments.

Without comprehensive and coordinated activity of the government agencies, education institutions, commercial enterprises and citizen’s initiatives, it would not be possible to reach a high level of innovation and information platforms in Russia nowadays.

Wide development and implementation of innovation information technologies is not only a major task of these days, but it has become a necessity for the development of modern manufacturing, that would be able to meet new market challenges.

It becomes a top priority, in the medium term perspective, to take advantage of the existing scientific and technical potential, and secure a dignified position of Russian Federation within leaders of global information society.

I wish all participants of the conference "Innovative Information Technologies" great success and a lot of productive work.

V. N. Vasiliyev

Rector of St. Petersburg National Research University of Information, Technologies, Mechanics and Optics
Vice-President of Russian Rector Association
Vice-Chair of The Higher Education Attestation Commission
Corresponding Member of Russian Academy of Sciences and Russian Authors’ Society
Laureate of the Russian State Award
Professor
With the great achievements in the last we open path to the future!

Dear friends!

Agilent Technologies company is pleased to welcome you to III international scientific and practical conference "Innovative Information Technologies"!

Agilent Technologies - the world's premier measurement company, working in the area of communications, electronics, biotechnology, diagnostics and chemical analysis.

Currently, the company Agilent Technologies provides the broadest range of measurement and control solutions, including equipment for radio measurements (signal generators, signal analyzers, network analyzers), oscilloscopes and general purpose equipment (multimeters, pulse generators, data acquisition systems, power supplies, logic analyzers), solutions for design and simulation (including solutions for automation development of electronic devices, solutions for the design of high frequency / mixed integrated circuits, for electromagnetic modeling solutions passive three-dimensional structures of arbitrary shape, solutions for simulating antennas, etc.), and solutions for telecommunications testing.

The year 2014 will become an important milestone in the history of Agilent Technologies. In November, the Electronic Measurement Agilent - founded in 1939 by B.Hyuletton and D.Pakkardom - will transform into an independent company Keysight Technologies. The main idea of the founders, however, will remain unchanged - our commitment to the product quality, our commitment to be the first in the development of advanced technologies and solutions, and our commitment to you, our customers.

Having established an independent company, we are going to concentrate on electronic measurements and we will grow even more rapidly as the needs and key market trends of electronic measurements will be the key priority. Our plans and product range will remain the same, we will retain our intellectual property, patents and specialized chips based on our own design. Our research laboratories will continue in research and development of advanced tools and testing methods.

We will continue our work on the certification of equipment, on translation of user manuals, user interfaces and other information materials. In 2014, in Russia, in addition to the Moscow branch will open 4 regional offices - in Siberia, Volga, Southern and North-West Federal District. We will extend our capacities in the service center providing the repair, inspection and calibration of instruments.

My colleagues and I thank you for choosing our products, and we will be always happy to assist you in finding the optimal solutions and reaching your goals.

Sincerely,

Galina Smirnova
General Director of the Russian branch Agilent Technologies
Dear participants of the 3rd international scientific and practical conference "Innovation Information Technologies" (I2T)!

On behalf of the crew of the International Space Station we warmly welcome all of you!

The innovative information technologies have become very attractive over last several years. This industry has been developing very rapidly, its growth outstrips the most courageous expectations. Producing innovative products in the area of information technologies does not only create a huge space for research and discovery of new ideas, but also stimulates progress in other areas.

Introduction of modern IT in education, science, industry, economy and social sphere provides unprecedented opportunity for their development.

We wish the conference participants very interesting and productive work, fruitful discussions, mutual understanding and success in achieving their goals!
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<td>Arrival and accommodation of participants</td>
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<tr>
<td>International Festival “DIGITAL FUTURE 2014”</td>
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<td>Round tables</td>
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<td>Final meeting, summarizing and making conclusions</td>
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<td>Lunch break</td>
<td>From 14.00</td>
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</tbody>
</table>
OPENING CEREMONY

April 22, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

- Greeting remarks by the Scientific leader of academician AN Tikhonov
- Greeting remarks by the Extraordinary and Plenipotentiary Ambassador of the Russian Federation in the Czech Republic Kiselev S.B.
- Greeting remarks by the RCNK leader Gamza L.A.
- Greeting remarks by the representative of the Government of the Russian Federation Sedoykin S.V.
- Greeting remarks Deputy Representative of the State Duma Committee on Education Berulava M.N.
- Greeting remarks by the Chairman of the Council of Rectors of St. Petersburg, the deputy chairman of VAK Vasiliev V.N.
- Greeting remarks by the Representatives of the Czech Republic
- Greeting remarks of Russian trade representative in Austria Stecenko Yur.P. and Turov A.V. in Czech Republic
- Greeting remarks by the president of Top Industrial Managers for Europe Skalicky Peter
- Greeting remarks by the president of the International DAAAM network of academic and scientific cooperation Branko Katalinic
- Greeting remarks by the conference sponsors EC-Leasing (Schmid A.V. General Manager), Agilent Technologies (Revyakina I.A., Sector Manager for the development of educational programs), National Instruments (Ananin A.A., Head of Education Projects), Nauka-soft (Khalyutin S.P., General Manager)
- Greeting remarks by the General director IBM East Europe / Asia Korniliev K.G.
- Greeting remarks by the board member of Concern "Sozvezdie" Simonov V.V.
- Greeting remarks by the media: newspaper scientific community "Search" (Ponarina E., First Deputy Editor), Newspaper "Souznoe Veche" (Zemlyanskikh T.N., editor in chief), publishing "BINOM. Laboratory of Knowledge "(Zaharchenko E.A., Executive Director).
- Greeting remarks by the head of RARIO Aygistov A.A.
- Greeting remarks by the Chairman of the Organizing Committee Uvaysov S.U.
PLENARY SESSION

April 22, 2014 at 11:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

Chairman:
Tikhonov A.N.

Scientific Secretary:
Korobova K.V.

1. Shmid A.V.
Moscow, EC-leasing
STAFF TRAINING AND EDUCATION FOR NEW ECONOMICS: WHAT TO TEACH? HOW TO TEACH?

2. Tikhonov A.N.
Moscow, HSE
THE PROBLEMS OF THE OPEN E-LEARNING ENVIRONMENT INFRASTRUCTURE DEVELOPMENT ON THE NATIONAL’S LEVEL.

Moscow, P.L. Kapitza Institute for Physical Problems Russian Academy of Sciences, NSE
PHYSICAL GROUNDS OF THE INFORMATION STORAGE AND RECORDING IN MAGNETIC NANOCLOUDS

4. Shchur L.N.
Chernogolovka, Russian Academy of Sciences Landau Institute for Theoretical Physics
TOWARDS EXAFLOPS MONTE CARLO COMPUTING

5. Filippov A.N.
Moscow, Agilent Technologies
TEST AND MEASUREMENT EQUIPMENT REVIEW OF AGILENT TECHNOLOGIES COMPANY

6. Ananin A.A., Dubatov A.V., Krivozubov P.A.
Moscow, National Instruments
SDR TECHNOLOGY FOR EDUCATION IN FIELDS OF RADIOPHYSICS AND RADIO ENGINEERING

7. Agnello S., Holtmann P.
Milwaukee, Exemplar Global
PROFESSIONAL CERTIFICATION AS A STRATEGY FOR MEETING THE ELECTROMAGNETIC COMPATIBILITY CHALLENGE

8. Krukier L., Muratova G.
Rostov-on-Don, Southern Federal University
SOCIAL NETWORKING IN EDUCATION

Vladivostok, Far Eastern Federal University
THE MULTI-LANE SIMULATOR FOR TRAINING OF SPECIALISTS ON CONTROL OVER RADIOACTIVE MATERIALS

10. **Shalkovsky A.G., Kuptsov S.M.**
Moscow, HSE
INFORMATION MODEL OF REMOTE HEALTHCARE MONITORING SYSTEM

11. **Koubalíková J.**
Prague, University of Economics
UNIVERSITIES IN CLOUD

12. **Pozdneev B., Sosenushkin S., Sutyagin M.**
Moscow, Moscow State Technological University “STANKIN”, Corporate Institute of “Gazprom”
E-LEARNING: QUALITY BASED ON STANDARDS

13. **Tikhomirov N.P., Tikhomirova T.M.**
Moscow, Plekhanov Russian University of Economics
ESTIMATION OF THE EFFECTIVENESS OF CANCER DIAGNOSTICS AS A MEASURE OF PROTECTION OF POPULATION AT LOW RADIATION DOSES

14. **Avakyan A., Kopnjonkova M.**
Moscow, JSC "INSTITUTE OF AIRCRAFT EQUIPMENT"
METHODS OF OPERATIONAL STATE MONITORING FOR INTERFACE AND COMPUTER PATHS OF AVIONICS SYSTEMS

15. **Gluhova O.E., Kolesnikova A.S., Slepchenkov M.M., Savostyanov G.V.**
Saratov, National Research University SSU
NEW IT-SOLUTIONS FOR BREAKTHROUGH RESEARCH IN NANO- AND BIOELECTRONICS

16. **Perelyayev S.E., Perelyaev D.S.**
Moscow, Moscow Institute of Electromechanics and Automatics
ON THE THEORY PARAMETRIZATION OF THE THREE-DIMENSIONAL ROTATIONS GROUP ABSOLUTE RIGID BODY. METHODS AND APPENDICES
Section 1
INOovation Information TECHNOlogies in Eduction

April 23, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

Co-Chairs:
Lvov B.G., Ignatova I.G.
Scientific Secretary:
Panasik D.S.

1. Andreyeva, T.V., Chulkov V.A.
   Penza, Penza State Technological University
   The information system structure of monitoring and decision-making support for students’ research and innovative activities management at higher schools

2. Erokhin, V.V., Eliseeva, E.V.
   Bryansk state university of a name of the academician I.G.Petrovsky
   CAD/CAM/CAE-technologies in modelling of technical objects

3. Zelenko, L. S., Shumskaya, E.A.
   Samara, SSAU
   Complex of programs for work with electronic content in LMS Moodle environment

4. Semenova N.G., Krylov I.B.
   FSBEI HPE «Orenburg State University», Orenburg
   The application of multi-agent approach by the developing of intelligent tutoring system

5. Shagin V. L.
   Higher School of Economics, Moscow
   JANUS: LEARN MATHEMATICS ONLINE!

   Volgograd, Volgograd State Technical University; *Light Yar, Branch of the Moscow State University of Technology and Management of Razumovsky K.G.
   Electrotechnical laboratory

7. Isaev A.V., *Posdnyakov A.P., **Novochadov V.V.
   Volgograd, Volgograd state technical university; *Volgograd, Volgograd state university of architecture and building; **Volgograd, Volgograd state university
   Development of regional information-educational resource centre: Project «INTEGRAL»

8. Isaev A.V., Gaydadin A.N.,
   Volgograd, Volgograd State Technical University
   Individualization of education: Technology project
   Volgograd, Volgograd State Technical University
   DISTANCE EDUCATION: INTERACTIVE CONSULTANT

10. Sukhova A.S., Selezneva I. G.
    Volgograd, Volgograd state technical university
    COMPLEMENTARY STRUCTURE OF QUEST TECHNOLOGIES IN LEGAL EDUCATION

11. Avdeuk O.A., Lemeshkina I.G., Pavlova E.S., Prikhodkova I.V., Skvortsov M.G.
    Volgograd, Volgograd State Technical University
    TEACHING OF INFORMATION TECHNOLOGY IN TECHNICAL UNIVERSITY

    Volgograd, Volgograd State Technical University
    GENERAL APPROACHES TO TEACHING BASICS OF ALGORITHMS FRESHMAN OF TECHNICAL UNIVERSITY

    Volgograd, Volgograd State Technical University; *Volgograd State Social Pedagogical University
    PREPARATORY PROCESS FOR PUPILS TO THE OLYMPIADS IN INFORMATICS

14. Litovkin R. V., **Naumov V. Yu., *Avdeuk O.A.
    Volgograd, *Volgograd State Technical University; **Volgograd economic-College of Technology
    IMPLEMENTING PRACTICE-ORIENTED APPROACH IN EDUCATION

15. Dorodnikov N.A. **Klyuyeva E.G., ***Dorodnikova I.M.
    St. Petersburg, ITMO; **Volgograd, Lyceum № 3; ***Volgograd, Volgograd State Technical University
    FORMATION ICT COMPETENCIES OF TEACHERS

    Volgograd, Volgograd State Technical University, * Volgograd, Lyceum № 3
    INTEGRATED EDUCATION AS A MEANS OF INCREASING OF INFORMATIVE ACTIVITY OF PUPILS

17. Klyuyeva E.G. * Shvarts W.A. Dorodnikova I.M.
    Volgograd, Volgograd state technical university, * Municipal educational institution lyceum No. 3, Volgograd
    INTERNET RESOURCES IN PROJECT ACTIVITY IN USE PUPILS

18. Bakshaeva N.V.
    Cheboksary, “I.I. Yakovlev Chuvash State Pedagogical University”
    INNOVATIVE APPROACHES TEACHING SOCIAL INFORMATICS IN SCHOOL

19. Salin, V.S., Papshev, S.V., Sytnik, A.A.
    Saratov, Saratov State Technical University
AN APPROACH TO FACTS EXTRACTION AND SEMANTIC ANALYSIS OF EDUCATIONAL WEBSITES

20. Andreevskaya T.M., Bogachyov K.A.
MIEM HSE Electronics and Telecommunications Department
METHOD OF PRACTICAL AND LABORATORY STUDIES OF THE CIRCUIT DESIGN DISCIPLINES USING SYSTEMS OF MATHEMATICAL AND CIRCUIT SIMULATION

Federal State Educational Institution of Higher Professional Education Penza State University
METHOD OF CONSTRUCTION LEARNING PATHS IN VOCATIONAL EDUCATION

22. Derugin I.A.
Balakovo, Balakovo Institute of Technics, Technology and Management
CLASSIFICATION OF COMPUTER TRAINING PROGRAMS FOR THE CONTINUING EDUCATION CENTER

23. Ershov I.M.
Balakovo, Balakovo Institute of Technics, Technology and Management
THE ADVANTAGES OF USING INTERACTIVE TRAINING SYSTEMS IN THE CONTINUING EDUCATION CENTER

24. Frolov D.A.
Saratov, Yuri Gagarin State Technical University of Saratov
OVERVIEW OF TECHNOLOGIES FOR DEVELOPMENT INTELLIGENT TUTORING SYSTEMS

25. Cherkasov, D.V.
Ufa, USATU
DESIGN OF DECISION SUPPORT SYSTEM FOR THE FORMATION OF EDUCATIONAL PROGRAMS

26. Gmar D., Kryukov V., Shakhgeldyan K.
Vladivostok State University of Economics
CLOUD COMPUTING AS THE BASIS OF ELECTRONIC UNIVERSITY CAMPUS

27. Belov M.A., Lishilin M.V., Tokareva N.A.
International University «Dubna»
IMPLEMENTATION OF KNOWLEDGE CONTROL ELEMENTS INTO EDUCATIONAL ENVIRONMENT OF “DUBNA” UNIVERSITY. EXPERIENCES AND PERSPECTIVES

28. Agnello, Sal.
Exemplar Global (iNARTE), USA
Programme of the International Scientific – Practical Conference «INNOVATIVE INFORMATION TECHNOLOGIES»

PROFESSIONAL CERTIFICATION AS A STRATEGY FOR MEETING THE ELECTROMAGNETIC COMPATIBILITY CHALLENGE

29. Gorokhova-Alekseeva A.
   Moscow, MIEM NRU HSE
   AUTOMATIC COLOR CORRECTION OF VIDEO STREAMS

30. Grekova K.V.
   Moscow, MIEM
   PRINTED VERSION OF THE TEXTBOOK ON ENGINEERING AND COMPUTER GRAPHICS

31. Gridina E.G.
    National Research University Higher School of Economic
    USING AN INTERACTIVE INFORMATION-ANALYTICAL SUPPORT SYSTEMS OF SCIENTIFIC-PROJECT ACTIVITIES

32. Noskov A.N.
    Yaroslavl state university, Yaroslavl, Russia Federation
    ANALYSIS OF ABILITY NETWORK PROTOCOLS IN CONCEALING THE INFORMATION

33. Belchusov A.A.
    Cheboksary, The Chuvash state pedagogical university
    INCREASE OF DEGREE OF READINESS OF TEACHERS TO CARRYING OUT OF REMOTE COMPETITIONS ON COMPUTER SCIENCE BY MEANS OF INTERACTIVE TECHNOLOGIES.

34. Aksenova O.V. , Guzenkova A.S.
    Moscow, MIEM HSE
    INFORMATION AND COMMUNICATION TECHNOLOGIES IN ECOLOGICAL TRAINING OF STUDENTS

35. Strinyuk S.A.
    Perm, HSE
    INFORMATION TECHNOLOGIES IN THE PROJECT TEACHING OF ENGLISH

36. Korenkova M. M.
    National Research University Higher School of Economics Nizhniy Novgorod
    INTERNET RESOURCES FOR BUILDING A PERSONAL LEARNING NETWORK AND TEACHING ENGLISH. BASED ON THE EXPERIENCE OF PROVIDING TRAINING ON FURTHER PROFESSIONAL DEVELOPMENT FOR SCHOOL TEACHERS OF THE ENGLISH LANGUAGE

37. Ishmukhametov B.R.
    Moscow, MIEM NRU HSE
    POTENTIAL AND PRACTICAL POSSIBILITIES OF HTML5 AND RELATED WEB TECHNOLOGIES FOR CREATING VIDEO-COMMUNICATING SYSTEM
38. **Karchevskiy V.P., Trufanova M.K.**
*Stakhanov Training Scientific Institute of Mining and Educational Technologies (Stakhanov) of Ukrainian Engineering and Pedagogical Academy (Kharkov)*
EXPERIMENTS WITH LEGO MINDSTORMS NXT 2.0 ROBOT IN EDUCATIONAL PROCESS

39. **Katasonova G.**
*St. Petersburg, SPbGU*KI
THE USE OF TECHNOLOGY IN TEACHING STUDENTS METAMODELING INFORMATION TECHNOLOGY MANAGEMENT

40. **Kolbe A.S.**
*Moscow, MIEM NRU HSE*
THE APPROACH TO DEVELOPMENT OF PRIVATE ACADEMIC-STYLE MOOC

41. **Korolev D., Pavolotsky A.**
*MIEM NRU HSE*
IMPLEMENTATION OF MOOC METHODS TO UNIVERSITY CLASSROOM COURSES

42. **Krasnova O.V., Meshcheryakov A.S., Plotnikov K.A.**
*Penza, Penza state university*
DYNAMIC MODEL OF STUDENT’S GENERAL DIDACTIC CULTURE DIAGNOSTICS AND FORMATION

43. **Kuzmina L.I.**
*National Research University Higher School of Economics*
LEARNING MANAGEMENT SYSTEM LMS IN MATHEMATICAL UNIVERSITY COURSES

44. **Levitskaya N.**
*Moscow, MIEM NRU HSE*
SURVEY OF TECHNOLOGIES FOR CREATING CROSS-PLATFORM VIDEO-COMMUNICATION SYSTEM

45. **Shakaev, V., Shabalina, O., Kamaev, V., * Chickerur, S.**
*Volgograd, Volgograd State Technical University; *Hubli, B V Bhoomaraddi College of Engineering and Technology*
LOW-LEVEL API AGNOSTIC RENDERING INTERFACE FOR BRIDGING OPENGL AND DIRECT3D

46. **E.O. Bereza, I.G. Ignatova, Y.A. Chaplygin**
*National Research University «MIET»*
MODEL FOR SUPPORTING THE FORMATION AND OPERATION OF CURRICULUM IN THE EDUCATIONAL PROCESS

47. **Bereza E.O., Bogomolova S.S., Ignatova I.G., Koriukov I.N.**
*National Research University «MIET»*
THE AUTOMATION OF THE CHECKING STUDY RESULTS PROCESS IN ACCORDANCE WITH ELECTRONIC WORKSPACES FOR THE PARTICIPANTS

48. **Petrov L.F.**  
*Russian Plekhanov University of Economics, National Research University Higher School of Economics*  
METHODS OF NONLINEAR DYNAMICS AND MANAGEMENT OF HIGHER EDUCATION

49. **Polonicij D.A.**  
*Saratov, Saratov socio economic institute branch Russian economic university G.B. Plekhanov*  
METHOD OF MAINTAINING ELEARNING SYSTEM IN THE STATE MEETS MODERN REQUIREMENTS

50. **Kozlova L.A., Trubochkina N.K.**  
*HSE, Moscow, Russia*  
OPTIMAL GRAPHIC LANGUAGE OF THE ENGLISH GRAMMAR

51. **Vlasova E., Gossoudarev I., Aksyutin P.**  
*Herzen State Pedagogical University of Russia, St.Petersburg*  
E-LEARNING IS THE NEXT STAGE OF THE INNOVATIVE DEVELOPMENT OF A UNIVERSITY

52. **Pavolotsky A. V., Korolev D. A.**  
*MIEM HSE*  
PROGRAMMING AND COMPUTER SCIENCE TEACHING IN HIGH SCHOOLS AND COLLEGES IN INITIAL PHASE

53. **Kozhevnikova A.**  
*Chelyabinsk, South Ural State University*  
PROJECT METHOD IN PROFESSIONALLY-ORIENTED TRAINING OF BACHELORS SERVICE PROFILE

54. **Sytnik A.A., Vagarina N.S., Melnikova N.I.**  
*Yuri Gagarin State Technical University of Saratov, Russia*  
THE PERSPECTIVES OF LINKED DATA IN EDUCATION

55. **Semenova N.**  
*Orenburg, Orenburg State University*  
ELECTRONIC PORTFOLIO AS A MEANS OF MEMORY TRACES FORMATION

56. **Shuvaeva E.I., Kazantsev A.G., Popov F.A.**  
*Biysk Technological Institute branch of Altai State Technical University named after I.I. Polzunov, Biysk*  
CREATION OF EFFECTIVE UNIVERSAL PROFESSIONAL DICTIONARY BASIS BY USING MULTIMEDIA COMPONENTS
57. Shvetsov A.I.  
*Ufa State Aviation Technical University*  
DESIGNING EDUCATIONAL PORTALS IN THE MODERN INFORMATION AND COMMUNICATION SPACE

58. Lazareva A.A.  
*Balakovo Institute of Technic, Technology and Management, SSTU*  
REVIEW OF SIMULATION METHODS

59. Martynova, E. A, Romanenkova, D. F.  
*Chelyabinsk State University*  
STUDY OF ADAPTIVE INFORMATION AND COMMUNICATION TECHNOLOGIES IN THE SCOPE OF ADAPTED EDUCATIONAL PROGRAMS OF INCLUSIVE EDUCATION FOR DISABLED STUDENTS

60. Remarenko S.A.  
*Russia Balakovo, BITTU*  
THE EFFECTIVENESS OF EDUCATIONAL RESOURCES

*Penza*  
USE OF PORTABLE DEVICES WITH OPERATING SYSTEM IOS IN TRAINING

62. Aydarkin E., Pavlovskaya M.  
*Southern Federal University, Rostov-on-Don*  
IMPLEMENTATION OF EDUCATIONAL INNOVATION AND TOOLS FOR THE OBJECTIVE CONTROL OF CULTURAL AND PROFESSIONAL STUDENT’S SKILLS

63. Klenina N.V., Bushmeleva K.I.  
*Surgut, SurGU*  
PROBLEMS OF ESTIMATION OF PROFESSIONAL COMPETENCE OF THE TEACHER

*International University “Dubna”, Russia; *Institute of Mathematics and Computer Science of Moldova; **Nagoya University, Japan; ***Università degli Studi di Milano, Italy; ****University of Electro-Communications, Japan; *****Yamaha Motor Co., Ltd. Japan*  
INTEGRATED IT OF KANSEI / AFFECTIVE ENGINEERING AND SYSTEM OF SYSTEMS ENGINEERING IN SELF-ORGANIZED INTELLIGENT CONTROL: FROM R&D TO COMMERCIALIZATION THROUGH THE EDUCATION PROCESSING

65. Bakhtin A., Lomovskaya K.  
*Moscow, MIET*  
BEHAVIORAL PATTERNS OF IT UNDERGRADUATE AND GRADUATE STUDENTS IN ROLE-PLAYING SIMULATIONS
Moscow, IIE RAE; *Moscow, ICME RAE; **Lugansk, Ukraine, LTSNU
THEORETICAL MODEL OF ELECTRONIC MEANS OF EDUCATIONAL ASSIGNMENT FOR COMPREHENSIVE SCHOOL

67. Bushmeleva K., Pasynkova N., *Uvaysov S.
Surgut, Surgut State University, *Moscow, MIEM HSE
STRUCTURE OF AUTOMATED CONTROL SYSTEM PERSONAL CAREER PATH FACULTY

68. Lavrinenko N. V.
Stakhanov Training and Scientific Institute of Mining and Educational Technologies, Stakhanov, Ukraine
SYSTEM THINKING FORMING OF FUTURE IT SPECIALISTS BY MULTI-AGENT SYSTEMS

69. Masлина L.Y., Mel'chakov V.N. Tanetova N.P
MSTU MIREA Moscow, Russia
DIDACTIC MATERIAL IN THE FORM OF NONVERBAL LOGICALLY STRUCTURED TEXTBOOK. THE DEVELOPMENT AND PERFORMANCE

70. Istomin V.V., Istomina T.V., Mikheev M.U.
Penza, PenzSTU
ON THE MULTILEVEL INFORMATION MODEL OF BEHAVIOR OF GROUPS OF AUTONOMOUS INTELLIGENT AGENTS FOR BIOMEDICAL SYSTEMS

71. Bay T.V.
Chelyabinsk, SUSU
MODEL OF MANAGEMENT OF PROFESSIONAL EDUCATION ON THE BASIS OF INFORMATION TECHNOLOGIES

72. Kamalov R.R.
Glazov, Glazov state teachers training institute
BUILDING THE MODULE "COMPUTER COOPERATION" WITH USING CONSTRUCTIVIST APPROACH AND AXIOLOGICAL APPROACH

73. Meshcheryakov A.S., Moyko M.A.
PSU, Russia, Penza
INFLUENCE OF SPECIFIC VALUE OF INTEGRAL RATING APPLICATION ON DEVELOPMENT OF STUDENT'S PROFESSIONAL CHARACTER TRAITS

*Russia, Moscow, Moscow Power Engineering Institute, Dubna, International University of Nature, Society and Man “Dubna”
ON THE PROBLEM OF COPYRIGHT PROTECTION ON THE INTERNET

75. Grigoryev D.S., Melnikova O.I., Minzov A.S.
Moscow, National research University «MEI», Dubna, International University of Nature, Society and Man «Dubna»
SOME APPROACHES TO MODELING THREATS TO ECONOMIC SECURITY OF THE MANAGING SUBJECT

76. Smykovskaya T.K.
Russia, Volgograd state social-pedagogical university
INFORMATION EDUCATIONAL ENVIRONMENT INDIVIDUALIZED TRAINING OF UNIVERSITY STUDENTS OF THE SUBJECT DISCIPLINE

77. Sofronova N.V.
Chuvash State Pedagogical University by the name I.Y. Yakovlev, Cheboksary
ROBOTICS AS AN INNOVATION TENDENCY IN INFORMATION SCIENCE TEACHING AT SCHOOL

78. Trubina I.
FGNU ISMO RAO, Moscow
SIGNIFICANCE OF INFORMATION TECHNOLOGY FOR FULFILLING EDUCATIVE POTENTIAL IN TEACHING NATURAL SCIENCES

79. Kvach, T.
Toglyatti, Samara region, Volga region state university of service
SYNTHESIS OF INFORMATION -COMMUNICATION AND TRADITIONAL EDUCATIONAL TECHNOLOGIES IN TRAINING OF SECONDARY PROFESSIONAL EDUCATION STUDENTS AT THE UNIVERSITY

80. Kochetkova L.N
Russia, Moscow, MIREA
INNOVATIVE TECHNOLOGIES WITHIN TECHNICAL ENGINEERING EDUCATION: SOCIO-PHILOSOPHICAL ASPECT

81. Mikheyev I.V.
Balakovo Institute of Technic, Technology and Management, SSTU
QUALITY CRITERIA FOR COMPUTER LEARNING SYSTEMS

82. Guzairov M.B., Martynov V.V., Filosova E.I.
Russia, Ufa, Ufa State Aviation Technical University
IMPROVING THE EFFICIENCY OF TRAINING REQUIREMENTS FOR EMPLOYERS

Moscow, IIE – RAE; *the Tula State Pedagogical University (Tula)
PRINCIPLES OF THE FORMALISED REPRESENTATION OF THE INTER-DISCIPLINARY KNOWLEDGE IN THE INTELLECTUAL INFORMATION SYSTEMS

84. Khenner E.K.
Perm, Perm State National Research University
PROFESSIONAL COMPETENCIES OF COMPUTER SCIENCE BACHELORS IN U.S. AND RUSSIAN UNIVERSITIES FOR COMPARABLE IT-PROGRAMS
85. Naseykina L. Sokolova I.
Orenburg State University
COMPREHENSIVE ASSESSMENT OF COMPETENCE IT-SPECIALIST IN PHASE SELECTION OF PROFESSIONAL

86. Tereshchenko A. S.
Moscow, Moscow state mining University of a name of M. A. Sholokhov
INNOVATIVE TECHNOLOGIES IN MODERN PRACTICE, TEACHERS OF PRIMARY SCHOOL

87. Timoshenko A.
Moscow, MIET
SCIENTIFIC CULTURAL AFFILIATION FOR UNDERGRADUATE AND GRADUATE STUDENTS

88. Shiryaev O.V.
Ufa State Aviation Technical University
THE APPROACH TO THE CONSTRUCTION OF THE SCIENTIFIC CONFERENCES ORGANIZATION SYSTEM

89. Yarikov V.G.
Volgograd VSSPU
THE ROLE OF DISTANCE LEARNING TECHNOLOGIES IN THE INFORMATION SPACE OF PEDAGOGICAL HIGH SCHOOL

90. Martirosyan L. P.
RAE Institution “Institute of informatization of education”
MATHEMATICAL EDUCATION INFORMATIZATION AND DIRECTIONS OF ITS DEVELOPMENT

91. Bilgaeva L.P., Dambaeva S.V.
Ulan-Ude, East Siberia State University of Technology and Management (ESSUTM)
MODELS OF VIRTUAL LABORATORIES OF HIGHER EDUCATION INSTITUTION ON THE BASIS OF PRIVATE CLOUDS

92. Dyshenov, B.A., Naykhanova, L.V.
Ulan-Ude, East Siberia State University of Technology and Management
EDUCATIONAL STANDARDS AND DISCIPLINES COMPETENCY: SEARCH FOR A MATCH

93. Anisimov D.N.
ZATO Ozerny, m/u 52642
BIONIC SELF –LEARNING SYSTEM

94. Professor Kozlov Oleg Aleksandrovich,
University of education informatization of Russian education academy
INFORMATIZATION OF EDUCATION AS COMPLICATED SOCIAL PROCESS AND NEW TENDENCY OF PEDAGOGICAL SCIENCE
95. **Robert I. V.**  
*Director of the institute of informatization of education of the russian academy of education*  
DIDACTICS DEVELOPMENT IN EDUCATION INFORMATIZATION

96. **Volkova, L.V.,**  
*Moscow, MEI SS №2*  
COMPUTER MODELLING OF INDIVIDUAL RHYTHMS

97. **Davydov S., Logunova O.**  
*National Research University – Higher School of Economics*  
FEATURES OF INTERNET CONSUMPTION IN RUSSIAN RURAL SETTLEMENTS
Section 2
INNOVATIVE INFORMATION TECHNOLOGIES IN SCIENCE

April 23, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

Co-Chairs:
Kamaev V.A., Kechiev L.N.
Scientific Secretary:
Uvaysova S.S.

1. Anop M., Mikhalichuk V.
IACP FEB RAS, FEFU, Vladivostok
APPLICATION OF PARTICLE SWARM OPTIMIZATION ALGORITHM FOR PARAMETRIC RELIABILITY OPTIMIZATION PROBLEM

2. Viter, A.V.
Kyiv, M.M.Gryshko National Botanical Garden of the National Academy of Sciences of Ukraine
TERRESTRIAL BIOTIC CARBON SEQUESTRATION: THE EXPERT SYSTEM FOR THE TECHNIFICATION OF THIS PROCESS

3. Dianov, V.N., Luminarskaya, E.S.
Moscow State Industrial University, Russia, Moscow
INTEGRATED APPROACH FOR THE DIAGNOSTICS OF LATENT DEFECTS IN MODERN EQUIPMENT

4. Istratov, A.Yu., Fedin, N.A.
Moscow, Higher School of Economics, National Research University
TO THE PROBLEM OF THE HANDWRITING CHARACTERS RECOGNITION

5. Kurakina N. I.
Saint-Petersburg Electrotechnical University “LETI”, Center «GIS technology»
GEOINFORMATION TECHNOLOGIES IN COMPLEX MONITORING OF WATER AREAS

6. Mekhanov V.B., Domnin A.L.
Penza, PSU
MODELING IN CPNTOOLS BITRATE MEASUREMENT ALGORITHMS IN THE PACKET-SWITCHED NETWORKS

7. Ivanov V.K, Palyukh B.V., Sotnikov A.N.
Tver, TSTU; Moscow, JSCC RAS
INTELLIGENT SUBJECT SEARCH SUPPORT IN SCIENCE AND EDUCATION

Moscow, Experimental Studio "NaukaSoft"; *Moscow, MIEM HSE
MATHEMATICAL MODELING OF THE HEMISPHERICAL RESONATOR GYROSCOPE
9. **Sudorgin, S.A.**  
*Volgograd, Volgograd State Technical University, VolSU*  
NUMERICAL SIMULATION OF THE ELECTRICAL TRANSPORT PROPERTIES OF SEMICONDUCTING ZIGZAG CARBON NANOTUBES

10. **Sekashev V.A., Avdeuk O.A.**  
*Volgograd, Volgograd State Technical University*  
ALGEBRAIC DESCRIPTION SENSOR FOR MEASUREMENTS OF LARGE MASSES

11. **Sekashev V.A., Avdeuk O.A.**  
*Volgograd, Volgograd State Technical University*  
DEVELOPMENT OF AN ALGORITHM FOR AUTOMATIC LAYOUT AT THE LOCATION OF FRAGMENTS OF SCHEMATICS

12. **Parpula S. A., Girich V. S., Zayarniy V. P.**  
*Volgograd, Volgograd State Technical University*  
THE MODELING OF SHEET SYMMETRIC ANTENNA WITH A LINEAR EXTENDING APERTURE FOR THE ARRAY

13. **Parpula S. A., Girich V. S., Zayarniy V. P.**  
*Volgograd, Volgograd State Technical University*  
EXPERIMENTAL STUDY OF SHEET SYMMETRIC ANTENNA WITH LINEAR EXPENDING APERTURE FOR ARRAYS

14. **Parpula S. A., Girich V. S., Zayarniy V. P.**  
*Volgograd, Volgograd State Technical University*  
DISK ALL-ROUND LOOKING ANTENNA BASED ON LINEAR EXPANDING SLOT LINES

15. **Egunov V.A., Abed O.A.**  
*Volgograd, Volgograd State Technical University*  
MOBILE ROBOT CONTROL BY VOICE COMMANDS

16. **Ivo Lazar**  
*European Polytechnic Institute, Kunovice, Czech Republic*  
PARAMETER MEASURING OF CONSTELLATION DIAGRAMS IN PARTICULAR DVB-T SIGNALS

17. **Egunov V.A., Al-Saadi H.A.**  
*Volgograd, Volgograd State Technical University*  
“SMART HOUSE” CONTROL USING WIRELESS COMMUNICATION CHANNEL

18. **Novokshchonov A.A., Nasonov A.A., Egunov V.A.**  
*Volgograd, Volgograd State Technical University*  
BLOCK IMPLEMENTATION OF ALGORITHMS FOR SOLVING SPARSE SYSTEMS OF LINEAR EQUATIONS WITH THE HIGH-PERFORMANCE COMPUTING TOOLS
19. **Egunov V.A., Artyukh S.V.**  
*Volgograd, Volgograd State Technical University*  
FPGA AS COPROCESSORS IN SOLVING PROBLEMS OF LINEAR ALGEBRA

20. **Nasonov A.A., Novokshchonov A.A., Zavyalov D.V.**  
*Volgograd, Volgograd State Technical University*  
OPTIMIZATION OF BLOCK REALIZATION OF ALGORITHMS OF LINEAR ALGEBRA USING SIMD-INSTRUCTIONS OF THE PROCESSOR ON THE EXAMPLE OF INTEL® MIC SIMD.

*Volgograd, Volgograd State Technical University*  
MATHEMATICAL MODEL AND pc PROGRAM FOR THE CALCULATION OF THE MACHINED FINISHED SURFACE ROUGHNESS IN TURNING THE STAINLESS STEELS WITH ADVANCE PLASTIC DEFORMATION

*Volgograd, Volgograd State Technical University*  
MODELING OF FORMATION AND GROWTH OF FLAME KERNEL IN SPARK IGNITION ENGINES (SIE)

23. ***Balakina E.V., **Borodin A.K., *Zotov N.M.*  
*Volgograd, Volgograd State Technical University, **Moscow, «PricewaterhouseCoopers Russia B.V.»*  
φ- s – DIAGRAM MODELLING TECHNIQUES FOR TIRES

24. **Savkin A.N., Sedov A.A., Andronik A.V.**  
*Volgograd, Volgograd State Technical University*  
COMPARISON OF CUMULATIVE DAMAGE FATIGUE LIFE MODELS UNDER AUTOMOBILE SERVICE LOADING BY THE EXAMPLE OF MEDIUM CARBON STEEL AISI 5140

25. **Savkin A.N., Sedov A.A., Andronik A.V.**  
*Volgograd, Volgograd State Technical University*  
ON THE STEEL DAMAGE SIMULATION UNDER VARIABLE AMPLITUDE LOADING BY THE POWER, ENERGY AND STRAIN FAILURE CRITERIONS

26. **Savkin A.N., Gorobcov A.S., Andronik A.V., Sukhanov M.A.**  
*Volgograd State Technical University, Volgograd, Russia*  
FATIGUE ANALYSIS OF THE AUTOMOBILE SUSPENSION ARM UNDER VARIABLE AMPLITUDE LOADING

27. **Matlin M.M., Shandybina I.M., Lebskiy S.L., Polezhaev D.V.**  
*Volgograd, Volgograd State Technical University*  
RESEARCH WORK SLIPCLUTCH IN A VIRTUAL ENVIRONMENT

28. **Stolyarchuk A. S., Korobov A. V., Vdovenko A. V., Gorunov A. I.**  
*Volgograd, Volgograd State Technical University*
EVALUATION OF CYCLIC DAMAGE OF STRUCTURAL MATERIALS ON THE BASIS OF THE INTERACTIONS OF LOCAL DAMAGES

29. Itkis E.M., Kuzmin V.N., Fedyanov E.A.
   Volgograd, Volgograd State Technical University
   THE SIMULATION OF HCCI ENGINE PERFORMANCE BY THE SINGLE-ZONE NUMERICAL MODEL COMPLETED BY PHYSICALLY REASONABLE ADJUSTING FUNCTIONS

30. Nikitin A. A., Gretsova N. V.
    Volgograd, Volgograd State Technical University
    THE MODEL OF IONIC TRANSPORT IN A CELL WITH TWO MEMBRANES

31. Zhoga V.V., Kravchuk A.A., Skakunov V.N.
    Volgograd, Volgograd State Technical University
    NAVIGATION ALGORITHM FOR MOBILE ROBOT USING COMPUTER VISION SYSTEM WITH STRUCTURED-LIGHT CAMERA

32. Zhoga V.V., Aniskov R.V., Merkulov A.A., Skakunov V.N.
    Volgograd, Volgograd State Technical University
    STRUCTURE MULTIPROCESSOR DISTRIBUTED CONTROL SYSTEM OF THE MOBILE ROBOT

33. Matlin M. M., Shandybina I.M., Lebskiy S. L., Solovyev A.S.
    Volgograd, Volgograd State Technical University
    USE THE VIRTUAL ENVIRONMENT FOR RESEARCH WELDED SEAMS WHEN STUDYING SUBJECT «ELEMENTS OF MACHINE »

34. Matlin M.M., Shandybina I.M., Popov A.V., Tetyushev A.A., Toporkova O.V.
    Volgograd, Volgograd State Technical University
    THE USE OF THE INFORMATION SYSTEM OF DISTANCE LEARNING FOR RATING STUDENT ACADEMIC PERFORMANCE IN THE COURSE “MACHINE ELEMENTS AND DESIGN PRINCIPLES”

35. Gretsova H. V., Gretsov M. V.
    Volgograd, Volgograd State Technical University
    THE SELF-OscILLATORY PROCESSES IN BIOLOGICAL SYSTEM OF THE BOUND TRIGGERS

36. Avdeuk O.A.
    Volgograd, Volgograd State Technical University
    SYNTHESIS OF THE SYSTEM INTERFACE OF MULTICOHERENT MEASURING SYSTEMS ON THE BASIS OF NEURAL NETWORKS

37. Kharlamov V. O., Krokhalev A. V., Kuz'min S. V., Lysak V. I.
    Volgograd, Volgograd state technical university
    OBTAINING OF Cr3C2-Ti HARD ALLOYS USING EXPLOSIVE PRESSING

    33
PROGRAMME OF THE INTERNATIONAL SCIENTIFIC–PRACTICAL CONFERENCE «INNOVATIVE INFORMATION TECHNOLOGIES»

Volgograd, Volgograd State Technical University
MANAGEMENT INFORMATION SYSTEMS - THROUGH IMPROVED FUNCTIONING OF URBAN PASSENGER TRANSPORT, AND QUALITY OF TRANSPORT SERVICES POPULATION

Volgograd, Volgograd State Technical University
OPTIMIZATION OF Cr3C2-Ti HARD ALLOYS USED IN SLIP BEARINGS

Volgograd, Volgograd State Technical University
FRICIONAL PROPERTIES OF HARD POWDER ALLOYS USING EXPLOSIVE PRESSING

41. Baydachenko V.A., Zemlyakov A.V., Tubol O.A.
*Volgograd, Volgograd State Technical University
SPATIAL MODEL OF ANKLE

42. Vasich K.N., Gretsova N.V.
Volgograd, Volgograd State Technical University
THE "REACTION - DIFFUSION" MODEL TAKING INTO CONSIDERATION THE ARBITRARY EXTERNAL MICROWAVE RADIATION

43. Stolyarchuk A.S., Vdovenko A.V., Korobov A.V., Tishenko P.O.
Volgograd, Volgograd State Technical University
SOME REGULARITIES OF SUMMATION OF FATIGUE DAMAGES UNDER CYCLIC CREEP OF MATERIALS

44. *Shilin A.N., *Shilin A.A., **Petrenko A.R.
*Volgograd, Volgograd State Technical University, **Volzhsky, National Research University "Moscow Power Engineering Institute"
SYSTEMS FOR DIAGNOSING AND PREDICTION OF EMERGENCY OPERATION MODES OF OVERHEAD POWER LINES

45. *Shilin A.N., *Shilin A.A., **Petrenko A.R.
*Volgograd, Volgograd State Technical University, **Volzhsky, National Research University "Moscow Power Engineering Institute"
NEUROCOMPUTING SYSTEM FOR DIAGNOSING AND PREDICTION OF EMERGENCY OPERATION MODES OF OVERHEAD POWER LINES

46. *Bagmutov V. P., **Bogdanov E. P.
Volgograd, Volgograd State Technical University, **Volgograd, Volgograd State Agricultural University
FEM SIMULATION OF PROCESSES OF ELASTIC-PLASTIC DEFORMATION OF MULTIPHASE POLYCRYSTALLINE MATERIALS

Volgograd, Volgograd State Technical University

34
FORMATION OF A SINGLE MEDIUM, AS ASPECTS OF IMPROVING FOREIGN TRADE MARKET WORK FREIGHT TRANSPORTATION

48. Petrov S.A., Shilin A.N.
   Volgograd, Volgograd State Technical University
   SIMULATION OF GEOMETRIC TRANSFORMATION IN OPTOELECTRONIC SYSTEMS WITH THE USE OF QUATERNION THEORY

49. Medennikov V.I., Salnikov S.G., Luppov V.V.
   Moscow, Russian Institute of Agrarian Problems and Informatics named after A.A.Nikonov
   PERSPECTIVES OF DEVELOPMENT OF INTERNET TECHNOLOGIES FOR AGRICULTURAL ENTERPRISES BASED ON TYPIFICATION IN UNIFIED WEB SPACE OF AGRARIAN KNOWLEDGE

50. Alsova O.K., Uskova K.S.
    Novosibirsk State Technical University
    MEDICAL MIXED-TYPE DATA CLUSTERING WITH MIXDC SOFTWARE

    Moscow, National Research University “Higher School of Economics”
    USING THE UPGRADED PYROELECTRIC SENSOR IN ROBOTIC DEVICES.

52. Linetskiy B.L., Sedova T.L., Tikhonov A.N., Trubochkina N.K.
    Moscow, MIEM HSE
    SPATIAL TECHNOLOGY ENVIRONMENT FOR THE IMPLEMENTATION OF INNOVATIVE SCIENTIFIC AND EDUCATIONAL PROJECTS

53. Baulina O. V.
    Penza, PENZGTU
    TECHNIQUE OF APPLICATION OF BIOLOGICAL FEEDBACK ON THE BASIS OF STABILOGRAFIYA IN GYMNASTICS

54. Istomina T.V., Kosenok N.Y.
    Penza, PenzSTU
    BIOTECHNICAL LIFE SUPPORT SYSTEM

55. Brodsky Yu. I.
    Moscow, CC RAS
    BOURBAKI’S STRUCTURE THEORY IN THE PROBLEM OF MULTI-COMPONENT SIMULATION MODELS SYNTHESIS

56. Bublik T.
    Prague, College of Information Management, Business Administration and Law
    PERFORMANCE TOOL FOR FAST DETECTION OF JAVA STRUCTURES

57. Kharkov, V.P.
    Moscow, “NaukaSoft” Experimental Laboratory
    SYNTHESIS OF ADAPTIVE CONTROL FOR NONLINEAR SYSTEMS
58. Chernodarov, A.  
*Moscow, “NaukaSoft” Experimental Laboratory*  
MONITORING AND DIAGNOSIS OF OBSERVABLE DYNAMICAL SYSTEMS BY THE USE OF COMBINED GOODNESS-OF-FIT TESTS

59. Klochkov, U.S., Mikshina, V.S.  
*Surgut, SurGU; Surgut, SurGU;*  
COMPUTER USAGE IN THE ANALYSIS OF VALIDITY OF DECISION MAKING CRITERIA.

60. Savochkina M.M.  
*Penza, Penza State University*  
DEVELOPMENT OF NEW DESIGN OF FIBER-OPTIC DIFFERENTIAL PRESSURE SENSOR

*Dept. of Physics, Electrical engineering & Electronics, North-Caucasus Federal University, Stavropol, Russia*  
DISTRIBUTED COMPUTER CONTROL SYSTEM FOR ELECTRON SPECTROMETER, GATHERING AND MATHEMATICAL PROCESSING OF ELECTRON SPECTRA

62. Enatskaya N.Yu., Khakimullin E.R.  
*Moscow: MIEM, HSE.*  
DIVISION OF A POPULATION OF ELEMENTS INTO A GIVEN NUMBER OF DISCERNIBLE PARTS

63. Dobroserdov O.G., Miroshnichenko S.Yu.  
*Kursk, Southwest State University*  
AUTOMATIC DIGITAL ELEVATION MODELS CREATION FROM RASTER TOPOGRAPHIC MAPS

64. Dunin V. O., Egorov V. A.  
*Russia, Penza, Penza State University*  
DESIGNING AND DEVELOPING INTELLIGENT INFORMATION SYSTEMS TO SUPPORT MEDICAL FACILITIES

65. Mikitchuk, A.  
*Saratov, SSEI*  
EXPERIENCE IN THE USE OF THE WCF SERVICE IN A GAME APPLICATION FOR WINDOWS PHONE.

*Penza State University*  
GRAPHENE AS A MATERIAL FOR A NEW GENERATION OF HEAT SINKS

67. Joao A.J. Gromkov N.V.  
*Penza, Penza State University*  
HISTORY OF DEVELOPMENT OF ELECTRO-MUSICAL INSTRUMENTS IN RUSSIA
68. Fedorenko, J.V.  
*Moscow, NRU HSE*  
INVESTIGATION LISSAJOUS ORBITS AROUND THE L2 LIBRATION POINT OF THE EARTH-MOON SYSTEM

69. O.E. Gluhova, A.S. Kolesnikova, M.M. Slepchenkov, G.V. Savostyanov  
*Saratov State University, Saratov, Russia*  
NEW IT-SOLUTIONS FOR BREAKTHROUGH RESEARCH IN NANO- AND BIOELECTRONICS

70. Korsakov I.N., Atabaeva V.D., Vorobyeva E.E.  
*Institute of Information Technologies, National Research University Higher School of Economics, Russia*  
THE PATIENT-PHYSICIAN RELATIONSHIP IN REMOTE HEALTHCARE MONITORING

71. Kropotov Y.A.  
*Murom Institute (branch) of Vladimir State University named after Alexander and Nikolay Stoletovs*  
MULTI-CHANNEL ALGORITHM COMPENSATION ECHO SIGNALS IN TELECOMMUNICATION HANDSFREE SYSTEMS

72. Lysenko A.V., Zatylkin A.V., Yurkov N.K.  
*Penza State University, Russia*  
ACTIVE PROTECTION SYSTEM OF RADIO-ELECTRONIC FACILITIES

73. Kolganov A., Sviridov A.  
*Moscow, MIEM, NRU «Higher School of Economics»*  
GSM MODULES IN ENERGY EFFICIENT M2M-SYSTEMS

74. Mashkov, V., Barilla, J., Simr, P.  
*Usti nad Labem, University J.E. Purkyne*  
ILLUSTRATIVE MODELING OF COALITION FORMATION

75. Golev D.M.  
*Penza, Penzenskii Gosudarstvennyi Universitet*  
MEASURING DEVICE FOR CALIBRATION OF MECHANICAL CONVERTING SYSTEM OF FIBER-OPTIC DIFFERENTIAL PRESSURE SENSOR

76. Botvinkin P., Kamaev V.  
*Volgograd State Technical University*  
METHODS OF PROTECTION FROM ADVERSE FACTORS THAT MAY AFFECT AUTOMATED INFORMATION AND MEASUREMENT SYSTEMS

77. Mironova A.S.  
*Penza, Penza State Tecnological University*  
MEDICAL ASPECTS OF RESEARCH GUNNER’S HEALTH

78. Miroshkin V.M.  

CREATE A CLOUD DATABASE IN A PRIVATE DATA CENTER USING WINDOWS AZURE PACK

Penza State Technological University, Russia
INCREASING THE PRECISION OF METROLOGICAL CHARACTERISTICS OF SMART SENSORS IN LARGE SCALE MONITORING SYSTEMS

80. Kulikova, O. A.
Penza State technological University (Penza, Russia)

81. Monakhov M.A.
Moscow, NationalResearchUniversity“Higher School of Economics”
PROCEDURE FOR CREATING DATABASE PARTITIONON THE CHARACTERISTICS OF RELIABILITY OF MECHANICAL ELEMENTS

82. Mozgovoi Yu.D, Khritkin S.A.
Moscow Institute of Electronics and Mathematics, National Research University Higher School of Economics (MIEM NRU HSE)
PHYSICAL EFFECTS AND PROBLEMS IN GAMMA-ELECTRONICS

83. Murashkina E.N.
Penza State Technological University, Russia
DEVELOPMENT SEQUENCE DIAGRAM OF NEURAL NETWORK IDENTIFICATION OF A COMPLEX SIGNAL USING THE UNIFIED MODELING LANGUAGE UML 2.0

84. Shaymardanov R.V., Elizarov A.A.
Russia, Moscow, MIEM HSE
MICROWAVE MEDICAL ELECTROD BASED ON SLOW-WAVE SYSTEM

85. Nazarov D.
Vladivostok, Institute of Automation and Control Processes
AN APPROACH TO COMPLEX SYSTEMS SENSITIVITY ESTIMATION ON THE BASIS OF REGIONS OF ACCEPTABILITY

86. V. D. Krevchik1, M. B. Semenov1, R. V. Zaitsev1, P. V. Krevchik1, A. K. Aringazin2, K. Yamamoto3
1Penza State University of Russia, Russia, 2Eurasian National University, Kazakhstan, 3International Medical Center, Japan
NONLINEAR TRANSPORT AND OPTICAL PROPERTIES OF QUANTUM DOTS FOR NANOMEDICINE

87. Eremin D.V., Ivanov F.F.
Surgut State University, Khanty-Mansiysk Autonomous Region – Ugra
NUMERICAL SIMULATION OF THE NATURAL GAS FLOW IN THE SECTION OF THE GAS PIPELINE

   Penza State University
   METHODEICAL ERRORS OF DIELECTRIC PARAMETERS OF FERROELECTRICS MEASUREMENT

   Penza State University
   PARAMETERS INTERDEPENDENCY ANALYSIS OF UNIVERSITIES INTERNATIONAL RATINGS BASED ON QUALITY CONTROL TOOLS

90. Pilkov A. V. Radomsky A. N.
   «Academician A. L. Mints Radiotechnical Institute», Moscow
   THIRD ORDER INTERMODULATION DISTORTION REQUIREMENTS FEAUTERES FORMULTI–CHANNEL RADIO RECIEVER

91. Afanasyeva M. A.
   National Research University - Higher School of Economics, Moscow Institute of Electronics and Mathematics
   POLYIMIDES FOR THE PROTECTION OF SPACECRAFT EQUIPMENT

92. Posevkin R.
   St. Petersburg National Research University of Information Technologies, Mechanics and Optics
   SENTIMENT ANALYSIS AS THE METHOD OF INFORMATION EXTRACTION

93. Sviridov A., Kolganov A.
   Moscow, MIEM, NRU «Higher School of Economics»
   PRESELECTOR OF WIRELESS SIGNALS OF SATELLITE NAVIGATION SYSTEMS

94. Pustovalova N.
   Russia, Novosibirsk State Technical University
   USING COMMON ONTOLOGY OF SOFTWARE REQUIREMENTS FOR AUTOMATED REQUIREMENTS FORMALISATION TOOL’S DEVELOPMENT.

95. Puzino Y.A.
   Moscow, MIEM NRU HSE
   SIMULATION OF A CYLINDRICAL ROD STRETCHING PROCESS DURING HOT DEFORMATION

96. Raznometov D. A., Korsakov I.N.
   Institute of Information Technologies, National Research University Higher School of Economics, Russia
   ALGORITHMS FOR GATHERING WIRELESS WEARABLE SENSORS INFORMATION IN REMOTE HEALTHCARE MONITORING
*Penza State University*  
RESEARCH METHODS OF COOLING SYSTEMS

98. **Rozaliev V.L., Orlova Yu.A.**  
*Russia, Volgograd, Volgograd State Technical University*  
APPLYING THE AUTOMATED SYSTEM FOR THE DETERMINATION OF EMOTIONS IN THE EDUCATION'S TASKS FOR PEOPLE WITH DISABILITIES

99. **Salov V.K., Gazizov T.R., Nikitina O.A.**  
*Television and Control Department, Tomsk State University of Control Systems and Radioelectronics, Tomsk, Russian Federation*  
CONVERGENCE OF MULTIPLE ITERATIVE SOLUTION OF LINEAR ALGEBRAIC SYSTEMS WITH A FULLY VARYING MATRIX USING A SINGLE CALCULATED INITIAL PRECONDITIONER

100. **Mityakov A. V, Tatarinov U. S.**  
*Saint Petersburg Electrotechnical University "LETI"*  
SAMPLING DATA PROCESSING – APPROACH TO SPEEDING UP ITERATIVE ALGORITHMS ON MAPREDUCE MODEL

101. **Semenov, A.**  
*Orenburg, Orenburg State University*  
MULTIAGENT APPROACH FOR DEVELOPING HYBRID INTELLECTUAL SYSTEM

102. **Semenova, L.**  
*Orenburg, Orenburg State University*  
DOUBLE-LEVEL EXPERT SUPPORT SYSTEM OF MAKING DECISION IN THE CHOICE OF ELECTRIC SYSTEMS DEVELOPMENT MODEL

103. **Safonova, I. E., Zhelenkov, B. V., Goldovskii, Y. M., Tsyganova N. A.**  
*Moscow, MGUPS(MIIT)*  
TO THE QUESTION OF EVALUATING THE RELIABILITY OF FUNCTIONING OF THE ELEMENTS OF THE TELECOMMUNICATION ENTERPRISE-WIDE NETWORKS

104. **Tarantsev K. V.**  
*Penza State University, Penza, Russia*  
NUMERICAL MODELING OF THE PROCESSES OF COAGULATION AND DISPERSION OF DROPS IN ELECTRIC FIELD

105. **Lushpa I.L.**  
*Moscow, National Research University “Higher School of Economics*  
THE CALCULATION OF THE VIBROINSULATORS’ FAILURE RATE

106. **Artemov I. I., Krevchik V. D., Simonov N.P.**  
*Penza State University of Russia, Russia*
THE FORMATION PROCESS OF NANOCLUSTERS IN THE METAL SURFACE LAYER, INITIATED BY NONLINEAR TUNNELING DYNAMICS IN THE ELECTROSTATIC FIELD

107. Karpov A.V.
Moscow, National Research University Higher School of Economics
INFORMATION PROCESSING METHODS IN VISUAL SENSOR NETWORKS

108. Karpov I.V.
Moscow, National Research University Higher School of Economics
ISSUES OF LONG-HOP AND SHORT-HOP ROUTING IN WIRELESS AUDIO SENSOR NETWORKS

109. Ayusheeva N.N., Kusheeva T.N.
Ulan-Ude, East Siberia State University of Technology and Management
IDENTIFYING SEMANTIC CONTENT-BLOCK OF TERMS AND RELATIONS IN SCIENTIFIC TEXTS

110. Zakhariev I. Yu.
Moscow, MIEM NRU HSE
THE DETERMINATION OF AMg6 ALLOY SUPERPLASTIC CHARACTERISTICS BASED ON THE FREE BULGING TEST

111. Zatylkin A.V., Tankov G.V., Golushko D.A.
Penza State University, Russia
MODELING THE INTRODUCTION OF MECHANICAL INFLUENCES IN THE DESIGN OF RADIO-ELECTRONIC FACILITIES

Novosibirsk, NSTU
INTELLIGENT SYSTEM “OBJECT-MODEL-APPLICATION RESULT”

113. Dianov V.N., Gevondian T.A.
Moscow State Industrial University, Moscow
PARKING SYSTEM OF HIGH RELIABILITY

114. Dianov V.N.
Moscow, Moscow State Industrial University
INTEGRO-DIFFERENTIAL DIAGNOSIS OF FAILURES COMBINATIONAL CIRCUITS

115. Vasil`ev V.A., Kalmykova M.A., Chernov P.S.
Penza State University, Russia
COMPUTER SIMULATIONS OF ELASTIC COPONENTS OF NANO- AND MICROELECTROMECHANICAL SYSTEMS

Togliatti
THE TASK OF DETERMINING THE NUMBER OF TEST PULSES TO EVALUATE THE RESISTANCE OF ENGINE CONTROL SYSTEM OF A VEHICLE TO ELECTROMAGNETIC RADIATION OF LIGHTNING

117. V.N. Elizarov; N.Y. Kelina; 
Penza State Technological University 
THE METHODS OF STATISTICAL ANALYSIS AND DATA MINING IN INFORMATION SYSTEM FOR IMMUNE-BIOCHEMICAL TESTS

118. Ipatova, V. M. 
Dolgoprudny, Moscow Institute of Physics and Technology 
AN ATTRACTOR OF THE DIFFERENTIAL INCLUSION FOR THE MULTILAYER OCEANIC GENERAL CIRCULATION MODEL

119. Kusnetsov V.V., Kechiev L.N. 
Russia, Moscow, MIEM HSE 
CHARGED BOARD EVENT ANALYSIS USING CIRCUIT SIMULATOR FOR PCB MOUNTED MOSFET

120. Kusnetsov V.V. 
Russia, Moscow, MIEM HSE 
ELECTROSTATIC POTENTIAL METER WITH HIGH INPUT OVERSHOOTS ROBUSTNESS

121. Pashchenko D.V., Trokoz D.A. 
Penza State University 
EQUIVALENCE OF INHIBITORY AND NON-INHIBITORY SAFE PETRI NETS

122. Pozhidaev Evgenii D., Smirnov Dmitrii D. and Pozhidaeva Natalia V. 
National Research University Higher School of Economics, 
ABOUT THE MICROSCOPIC PICTURE OF THE HOLE TRANSPORT IN DEH-DOPED POLYCARBONATE

123. Bolotova L.S. 
Moscow, MIEM SRI HSE 
METHOD CONCEPTUALIZATION OF SUBJECT DOMAIN AS A BASIS OF TECHNOLOGY OF ACQUISITION KNOWLEDGE FOR INTELLIGENCE SYSTEMS

124. Pyrkova O.A. 
Moscow Institute of Physics and Technology (MIPT) 
EFFECT OF ACCOUNTING INTERMITTENCY DEPENDENCE ON THE TIME OF LONGITUDINAL CORRELATION COEFFICIENT THIRD ORDER

125. Grachev N.N. 
Moscow, MIEM NRU HSE 
ANALYSIS AND FEATURES PARAMETERS NORMALIZATION EMC COSMIC DEVICES AND SYSTEMS
126. **Grachev N.N.**  
*Moscow, MIEM NRU HSE*  
QUESTIONS ANALYSIS EMC SPACE RES

127. **Tihonov G.V.,*Grachev N.N.**  
*Moscow, MATI; * Moscow, MIEM-HSE*  
CALCULATION LEASE PAYMENTS CURRENT ECONOMIC CONDITIONS

128. **Utselemov V.N.**  
*MESI*  
CURRENT ISSUES IN IMPROVING INFORMATION SECURITY SUBSYSTEM

129. **Dambaeva, S.V., Merdygeev B.D.**  
*Russia, Ulan-Ude, East-Siberian State University of Technology and Management (ESSUTM)*  
USING FCA BASIS THEOREM ON CONCEPT LATTICES IN ANALYZING SCIENTIFIC MONOLOGIC TEXT ONTOLOGY

130. **Burukina I. P., *Burukina I. S.***  
*Penza State University, *Saint Petersburg State University, *Russian State University for the Humanities*  
MULTIWORD EXPRESSION DESCRIPTION IN LEXICAL DATABASES

*Volgograd State Technical University, Volgograd, Russia, * Federal Institute of Industrial Property, Moscow, Russia*  
COMBINING STATISTICAL AND SEMANTIC FEATURES FOR PATENTS PRIOR-ART RETRIEVAL

*Moscow, MIEM NRU HSE, *OAO «GSKB «ALMAZ – ANTEY»*  
METHOD OF COMPUTER MODELLING ACCURACY INCREASE FOR ELECTRONIC MEANS BASED ON INTERCONNECTION OF DIFFERENT PHYSICAL PROCESSES PROCEEDING

133. **Berketov G., Mikryukov A., Fedoseev S.**  
*Moscow, MESI*  
INFORMATIONAL SAFETY SUBSYSTEMS IMPROVEMENT AT RISK CORRUPTED OR LOST DATA

134. **Savin G.I., Sotnikov A.N., Suleymanov R.S.**  
*Moscow, JSCC of RAS*  
COMPARATIVE ANALYSIS OF SOLUTIONS FOR FULL-TEXT SEARCH IN DIGITAL LIBRARIES

135. **Borisova, A.V., Finochenko, V.A.**  
*Rostov State Railway Universitet*  
INSTRUMENTATION AND METHODOLOGY SUPPORT FOR THE MOBILE LABORATORIES IN THE ENVIRONMENTAL CONTROL AND MONITORING OF RAIL TRANSPORT.
136. Vostrikov A.V., Borisov N.I.
Moscow, MIEM HSE
DEVELOPMENT REDUCED COMPUTATIONAL SCHEME IS BASED ON USING NUMERICAL METHODS FOR CALCULATION OF DYNAMIC CHARACTERISTICS MATHEMATICAL MODEL

137. Stepanova E. G.
Stavropol, North-Caucasus Federal University
ANALYSIS THE TRENDS OF EMPLOYMENT IN THE INFORMAL SECTOR OF THE ECONOMY

138. Kulagin(1) V., Dunham(2) D., Shustov(3) B., (2) KinetX,
Moscow Institute of Electronics and Mathematics of National Research University “Higher School of Economics”, Russia; (2) USA; (3) Institute of Astronomy, Russia
PROBLEMS OF ASTEROID AND COMET HAZARD. ROLE OF MODERN INFORMATION TECHNOLOGY.

139. Fokin V. M.
Moscow, National Research University “Higher School of Economics”
RESEARCH OF FAILURE MECHANISMS OF SOLENOIDS AND CONTACTORS

Astrakhan civil engineering institute
BUILDING KNOWLEDGE SPACE FOR SYNTHESIS OF TECHNICAL SYSTEMS WITH ENERGY-CIRCUIT METHOD

141. Tsyganov P.
Moscow, National Research University “Higher School of Economics”
ANALYSIS OF BASIC MECHANISMS AND REASONS OF BREAKDOWN OF COOLING SYSTEMS’ PUMPS

142. Lytvyn O. O., Shtepa N. I., Denisova O. I., Chorna O. S.
Ukraine, Kharkiv, Ukrainian engineering pedagogical academy
INTERNAL EARTH STRUCTURE RENEWAL BY MEANS OF CORE IN INCLINED BOREHOLES ANALYSIS.

143. Krasnov, A.E., Krasnikov, C.A., Chernov, E.A.
Moscow, MSUTM named K.G. Razumovsky
METHOD OF THE COMPRESSION OF PHASE PORTRAITS OF GENERALIZED SPECTRAL DATA FOR SOLVING THEIR CLUSTERING AND RECOGNITION

144. Schelokov S.A., Sokolova I. M.
Orenburg State University
DEVELOPMENT OF HYBRID OBJECT-RELATIONAL DATABASE ON THE BASIS OF THE FRAME AND SLOT NORMAL FORM

145. Shishulin D. N., Yurkov N. K., Yakimov A. N.
Penza, Penza State University
A MODELING OF THE INFLUENCE OF VIBRATION ACTIONS ON THE RADIATION MIRROR ANTENNA BY USING ANSYS

146. **Yarkin A. S., Popov F.A.**
      Biysk Technological Institute (branch) of the AltSTU, Biysk
      DATA PROCESSING METHODS FOR INFORMATION SYSTEM OF SUPPORT TOURISM BUSINESSES

147. **Volosatova, T.M., Belomoytsev, D.E.**
      Moscow, BMSTU
      INDIVIDUAL EDUCATIONAL COURSE SYNTHESIS METHOD USING EVOLUTIONARY METHODS OF EDUCATIONAL CONTENT SPACE FORMATION

      Moscow, MESI
      USE OF EFFICIENCY PARAMETER OF REAL OPTIONS IN THE DECISION INNOVATIVE SOLUTIONS

149. **Khalyutin S.P., Levin A.V., Kharkov V.P., Zhmurov B.V.**
      Moscow, Experimental Studio "NaukaSoft"
      TRENDS AND PROSPECTS OF AIRCRAFT ELECTRICAL EQUIPMENT

150. **Eremina V.**
      Moscow, MNIRTI
      METHOD OF SIGNALS INTERFERENCE IMMUNITY ESTIMATION USED IN MULTICHANNEL COMMUNICATION SYSTEMS

151. **Bilgaeva L.P., Sambyalov Z.G.**
      Ulan-Ude, East Siberia State University of Technology and Management (ESSUTM)
      EVALUATION OF MODIFIED CLUSTERING ALGORITHM CLOPE

152. **Bazaron S.A.**
      Ulan-Ude, East Siberia State University of Technology and Management (ESSUTM)
      THE DEFINITION OF WELL-FORMED FORMULA ALGORITHM

      Moscow, HSE
      INVESTIGATION OF THE THERMAL PROCESSES INFLUENCE IN ELECTRORADIOPRODUCTS ON THE RELIABILITY INDICATORS OF ELECTRONIC RADIO EQUIPMENT BY USING ANALYSIS PROGRAMS OF THERMAL REGIMES

      Moscow, HSE
      DIRECT AND REVERSE PROJECTION PROCEDURES IN PROBLEMS OF 3D OBJECTS RECONSTRUCTION FROM IMAGES
Section 3

INNOVATIVE INFORMATION TECHNOLOGIES IN INDUSTRY

April 24, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

Co-Chairs:
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Scientific Secretary:
Uvaysova A.S.

   Moscow, MIEM NRU HSE; *Moscow, GNU VNIIGiM Rossel'hozakademii
   A METHOD FOR RECOGNIZING INDICATIONS OF ARROW INDICATORS

2. Akbashev, B., Baluk, N., Kechiev, L.
   Moscow State Institute of Electronics and Mathematics Higher School of Economics
   ACTUAL PROBLEMS OF BUILDINGS AND ROOMS PROTECTIONS FROM STRONG EM FIELDS

   Technological Institute of Service (branch) Don State Technical University, Stavropol
   LOCAL ELECTRO-OPTICAL NAVIGATION SYSTEM AGRICULTURAL MACHINERY.

4. Bogachyov, K.A., Kryuchkov, N.M.
   Moscow Institute of Electronics and Mathematics, National Research University Higher School of Economics (MIEM NRU HSE)
   THE CAPACITOR WITH INTEGRATED CHARGING CURRENT CONTROL UNIT

5. Růžičková, M
   University of Economics in Prague, Faculty of International Relations
   CASE STUDY OR FOREIGN DIRECT INVESTMENT TO RUSSIA

6. Alshanskaya, T.
   Togliatti, Volga Region State University of Service
   OPTIMIZATION OF DEVELOPMENT OF THE BASIC EDUCATIONAL PROGRAMS OF PROFESSIONAL EDUCATION BASED ON IMPLEMENT OF INTELLECTUAL INFORMATION SYSTEM

7. Makarova, I.V., Khabibullin, R.G., Belyaev, E.I.,
   Kazan (Volga region) federal university, Naberezhnye Chelny
   IMPROVEMENT OF AUTOMOBILE WARRANTY SERVICE SYSTEM QUALITY BY MULTIDIMENSIONAL DATA ANALYSIS

8. Adamanskiy A.V., Denisov A.L., Kopytov A.V., Tyutyunkov V.E.,
   Novosibirsk State University, NSU Novosibirsk, Russia
   EJDB – EMBEDDED JSON DATABASE ENGINE.
9. Filsova, V.K.
Russia. Ufa, Ufa State Aviation Technical University (UGATU)
DEVELOPMENT AXIOMS AND QUERY FOR ONTOLOGY OIL PRODUCTION

Moscow, MSTU MIREA
APPLICATIONS OF FUZZY SETS THEORY IN MANAGEMENT PROBLEMS ANALYSIS

11. Malynkin, K. V., Androsov, V. A.
Moscow, SPA «Mobile Information Systems»
USING MULTI-RESOLUTION ANALYTICAL DIGITAL MAP MODEL IN AIRBORNE GEOGRAPHIC INFORMATION SYSTEMS

12. Khantimirov, R.
Moscow, MESI
INITIAL RESOURCE PROVISIONING IN IAAS CLOUDS BASED ON THE ANALYTIC HIERARCHY PROCESS

13. Kechiev, L.
Moscow State Institute of Electronics and Mathematics Higher School of Economics
INTRA-SYSTEM EMC: STATE, PROBLEMS AND TRENDS

Institute of Applied Mathematics and Mechanics, NAS of Ukraine (IAMM NASU),
Ukraine, Donetsk
IMPROVING THE ACCURACY OF SOUND DIRECTION FINDING BY THE GROUP OF MOBILE ROBOTS THROUGH INFORMATION REDUNDANCY

15. Uvaysov, S. U.,*Diagilev, V. I.,*Kokovin, V. A.
MIEM HSE, *The International University “Dubna” of Nature, Society and Man, Branch “Protvino”
ANALYSIS OF WORK OF INFRA-Low FREQUENCY HARMONIC OSCILLATOR

16. Nedopeka, A., Bushmeleva, K.
Surgut, SurGU
AUTOMATED SYSTEM FOR THE ORGANIZATION OF CARGOTRANSPORTATION COMPANY

17. Kolobova, EA
Penza State Technological University, Penza
UTILIZATION TECHNOLOGY OF OIL-CONTAINING WASTES AS A DIRECTION OF RATIONAL NATURE MANAGEMENT

18. Akhmetgareyev, R.O., Bushmeleva, K.I.
Surgut State University
CLASSIFICATION OF DECISION-MAKING SUPPORT SYSTEMS FOR MAIN PIPELINE MONITORING TASKS
Russia, Volgograd, Volgograd State Technical University  
AUTOMATED ABSTRACTION METHODICS APPLIED TO INTERNET NEWS TEXTS

Penza state university  
STRUCTURAL-DIFFERENTIAL SEGMENTATION OF IMAGES OF DOT OBJECTS ON THE DECREASING BACKGROUND

Penza state university  
STRUCTURAL-DIFFERENTIAL SEGMENTATION OF IMAGES OF SHAPED OBJECTS ON THE DECREASING BACKGROUND

22. Mescheryakov, O.A.  
Penza State University, Penza, Russia  
SOLVING OF MULTICRITERIA PROBLEM OF OPTIMAL SOFTWARE PRODUCT SELECTION

23. Astafurova, O.A., Salnikova, N.A., Astafurov V.V.  
Russian Presidential Academy of National Economy and Public Administration, Volgograd branch  
sampling techniques in methods of modelling of systems of the automated design of ultrahigh frequencies devices

Penza, Russia, Penza State University  
WIRELESS HETEROGENEOUS NETWORK FOR MONITORING AND SUPERVISORY CONTROL AT URBAN HEATING SUPPLY SYSTEM

25. Andrianov, A.  
ZAO “EC-Leasing”, St. Petersbourg State University  
USING DATA MINING TO CONSTRUCT A SOCIAL GRAPH AND AFFILIATION NETWORK

26. Karapuzov, M., Polesskiy, S.  
NRU HSE MIEM  
PRINCIPLES OF CREATING RELIABILITY SCHEMES FOR ELECTRIC AND MECHANIC SYSTEMS

27. Gribanov, A.D., Kozlov, M.K., Guseva, N., Nikitin, V.S.  
National research university (Moscow Aviation Institute), Moscow, Russia  
INFORMATION TECHNOLOGIES FOR AIRCREW’S FUNCTIONAL HEALTH STATE ESTIMATION IN REAL TIME

28. Kokin, N.N.  
Moscow, HSE
29. **Lifanov, I. P.**
*Russian Federation, Moscow, Moscow Aviation Institute (State University of Aerospace Technology)*

Program «ROC-CONSTRUCTOR» FOR ROC-ANALYSIS APPLICATION IN MEDICAL TESTS

*Volgograd State Technical University, Volgograd Russia, **Katholieke University Leuven, Geel Belgium, ***Kharkov Technical University, Kharkov Ukraine*

DATA PREPARATION FOR RESEARCH ON ENERGY EFFICIENCY OF BUILDINGS

31. **Zhuk, S. ¹, Tyukov, A.¹, Kamaev, V.¹, Brebels, A.², Shevchenko, S.³**
¹ VSTU, Volgograd Russia, ² KULeuven, Geel Belgium, ³ KTU, Kharkov Ukraine

DIGITAL SIGNAGE AS EFFECTIVE TOOL OF ENERGY MANAGEMENT

32. **Akbashev B., Baluk N., Mikheyev V.**
*Moscow State Institute of Electronics and Mathematics Higher School of Economics*

STRONG EM-PULSE DEVICES TESTING RESISTIVITY AND SAFETY TEST METHODS

33. **Naykhanova, I.V.**
*Moscow, BMSTU*

CURRENT STATE EVALUATION OF PERSONAL DATA SECURITY ENSURING

34. **Tarantseva, K.R., Trazanov, A.V.**
*Penza State Technological University, Penza, Russia*

USING SOLID WORKS FOR ANALYSIS OF EFFECTIVE PULSE OF BLAST CLEANING INTERNAL SURFACE OF GAS CYLINDER

*Volgograd, VSTU*

THE USING OF AGENTS AND FUZZY NEURAL NETWORKS FOR MAINTENANCE AND REPAIR ON EXAMPLE OF ROAD-BUILDING MACHINES

*Moscow, JSC “RDI “Polyus” named by M.F. Stelmakh”, MIEM NRU HSE*

ZEEMAN LASER GYRO IN QUASIFOURMODE REGIME

37. **Zorina, E.V.**
*National Research Tomsk Polytechnic University, Tomsk, Russia*

THE CONTROL OF THE MICROWAVE PLASMA CHEMICAL REACTOR THERMAL MODE
<table>
<thead>
<tr>
<th>No.</th>
<th>Authors</th>
<th>Affiliations</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>Zorina E.V.</td>
<td><em>National Research Tomsk Polytechnic University</em></td>
<td>MAGNETIC PARTICLE TESTING OF AEROSTRUCTURES</td>
</tr>
<tr>
<td>40</td>
<td>Kurbanmagomedov, K. D.</td>
<td><em>Moscow State Open University named by V. S. Chernomyrdin Institute (branch) in Makhachkala, Russia</em></td>
<td>THE ANALYSIS OF THE RESOURCE MODIFICATION OF TECHNICAL SYSTEMS RELIABILITY</td>
</tr>
<tr>
<td>41</td>
<td>Arzybaev, A.</td>
<td><em>Blagonravrov Institute of Mechanical Engineering, Russian Academy of Sciences, Moscow, Russia</em></td>
<td>THE METHOD OF DESIGNING OF PART MANUFACTURE</td>
</tr>
<tr>
<td>42</td>
<td>Artyukhova, M.</td>
<td><em>Moscow, NRU HSE MIEM</em></td>
<td>THE PROJECT EVALUATION OF IC RELIABILITY AND RADIATION RESISTANCE</td>
</tr>
<tr>
<td>43</td>
<td>Barabanova, E.A, Barabanov, I.O., Maltseva,N.S., Kudryavtseva,O.V.</td>
<td><em>Astrakhan State Technical UniversityAstrakhan, Russia</em></td>
<td>METHOD OF PARALLEL INFORMATION PROCESSING FOR THE OPTICAL SWITCHBOARD</td>
</tr>
<tr>
<td>45</td>
<td>Bushmelev, P., Plyusnin, I., Bushmeleva, K., *Uvaysov, S.</td>
<td>Surgut, Surgut State University, *Moscow, MIEM HSE</td>
<td>POSITIONING SYSTEM WIRELESS MODULE ON THE MAIN PIPELINE</td>
</tr>
<tr>
<td>46</td>
<td>Shevchuk, V.P., Gayderzhiy, D.S.</td>
<td><em>NRU MPEI; ENEX (JSC)</em></td>
<td>RESEARCH OF MANAGEMENT ALGORITHMS BY EFFICIENCY OF HEAT POWER OBJECTS FUNCTIONING</td>
</tr>
<tr>
<td>47</td>
<td>Grodzenskiy, S.Ya., Kalacheva, E.A.</td>
<td><em>Moscow, MSTU MIREA</em></td>
<td>THE MAIN TASKS OF THE MODERN QUALITY MANAGEMENT AND INFORMATION SUPPORT TECHNOLOGY OF LIFE-CYCLE FOR HIGH TECHNOLOGY PRODUCTS</td>
</tr>
</tbody>
</table>

50
Moscow, MSTU MIREA
ABOUT THE EFFECTIVENESS OF "GRADUAL TRUNCATION" OF THE WALD SEQUENTIAL TEST

49. Grodzenskiy, Ya.S., Shilov, D.V., Volodina, M.V.
Moscow, MSTU MIREA
BOOTSTRAP AND ITS PLACE IN PRODUCT QUALITY MANAGEMENT

50. Guzhov, V., Ilinykh, S., Sazhin, I., Kabak, E.
Novosibirsk, Novosibirsk State Technical University
QUASI-HETERODYNE METHOD OF THE PHASE MEASURING IN A SERIES OF INTERFEROGRAMS

51. Karasev, A.A., Starykh, V.A.
Moscow, National Research University Higher School of Economics
CLASSIFICATION OF INCIDENTS FOR MANAGEMENT OF INFORMATION SYSTEM

52. Domracheva A.B.
Moscow, BMSTU
ABOUT A PROBLEM OF USING LAPLACE OPERATOR FOR IDENTIFICATION OF INDISTINCT CONTOURS

53. Dutka, M., Bushmeleva, K.
Surgut State University
MAIN PIPELINES DIAGNOSIS METHODS CLASSIFICATION

54. Zhadnov, V.V.
Moscow, National Research University “Higher School of Economics”
INFLUENCE OF THE QUALITY OF TECHNICAL SYSTEMS ON THE RELIABILITY CHARACTERISTICS OF THEIR ELEMENTS

Snezhinsk, RFNC-VNIITF named after Academician E.I. Zababakhin
PECULIARITIES OF MEASURING SIGNALS PROCESSING DURING DETAIL’S DYNAMIC COUNTERBALANCING

56. Molodtsova, Yu.V.
PenzGTU
CREATION OF OBJECT AND FUNCTIONAL MODEL OF DIFFICULT OPERATIONAL AND TECHNOLOGICAL OBJECT.

57. Petrosyants, K.O. Kharitonov, I.A. Kozhukhov, M.V. Sambursky, L.M.
Moscow Institute of Electronics and Mathematics of National Research Institute Higher School of Economics
EXPANDING COMMERCIAL SPICE POSSIBILITIES IN THE FIELD OF EXTREME ENVIRONMENT ELECTRONICS DESIGN BY USING NEW BJT AND MOSFET MODELS WITH ACCOUNT FOR RADIATION INFLUENCE
Moscow, MIEM NRU HSE , *Serpukhov, JSC “Serpukhov plant “Metallist”
DEVELOPMENT THE AUTOMATED GAS MIXTURE ANALYSIS SUBSYSTEM AND DESIGN THE ARCHITECTURE OF THE RING LASERS PRODUCTION MANAGEMENT SYSTEM

59. Fomina, I.
Open Joint-stock Company «MNIRTI»
PROCESS OF DATA TRANSMISSION IN THE ONBOARD CONTROL SYSTEM

60. Lisova E.A.
Togliatti, Volga State University of Service
DEVELOPMENT OF ALGORITHM FOR IMPLEMENTATION AND MANAGEMENT OF HAZARD ANALYSIS AND CRITICAL CONTROL POINTS

61. Mamontov A.V., Nefedov V.N., Simonov V.P.
Moscow Institute of Electronics and Mathematics, Higher School of Economics (MIEM HSE)
TEMPERATURE DISTRIBUTION IN LAYERED BIOLOGICAL TISSUES EXPOSED BY MICROWAVE RADIATION

62. Mamontov A.V., Nefedov V.N.
Moscow Institute of Electronics and Mathematics, Higher School of Economics (MIEM HSE)
TEMPERATURE DISTRIBUTION IN SHEET MATERIALS IN A WAVEGUIDE MICROWAVE DEVICES

63. Alshanskaya T., Kostileva N.
Togliatti, Volga Region State University of Service
FEATURES OF INFORMATION TECHNOLOGY IN THE MANAGEMENT OF QUALITY

64. Palaguta, K. A.
Moscow, MSIU
EVALUATION OF THE EFFECTIVENESS OF CAR SAFETY SYSTEMS

65. Maksimyuk E.V., Mikshina V.S.
Surgut, SurGU
MATHEMATICAL METHODS AND ALGORITHMS FOR DECISION SUPPORT TO ENSURE ENERGY EFFICIENCY

66. Nadeev A.F., Ivanchenko A.Ya., Rahimov D.R.
Kazan
MODELING IDENTIFICATION SYSTEMS AND AIR TRAFFIC CONTROL IN MATLAB

Moscow, MSUTM named K.G. Razumovsky
PRODUCTION COSTS MANAGEMENT USING MATHEMATICAL MODELLING

68. Krasnov, A.E, Feoktistova, N.A. 
Moscow, MSUTM named K.G. Razumovsky
METHODOLOGY AND INFORMATION TECHNOLOGY FOR THE QUANTITATIVE EVALUATION OF THE QUALITY PRODUCTS OF DISTILLERY AND WINE PRODUCTS

Moscow, National Research University Higher School of Economics (HSE)
The laboratory stand for diagnosing of radio-electronic equipment on the example of the common emitter amplifier

70. Kouzaev, G.A. 
Norwegian University of Science and Technology, Trondheim, Norway, NO-7491
COMPUTER-AIDED DESIGN OF HYBRID QUANTUM-CLASSICAL INTEGRATIONS

Moscow, HSE, BMSTU
MATHEMATICAL MODELING OF VIBRODIAGNOSTICS LATENT DEFECTS IN THE CONSTRUCTION OF ELECTRONIC MEANS
Section 4
INNOVATIVE INFORMATION TECHNOLOGIES IN SOCIO-ECONOMIC SPHERE

April 24, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

Co-Chairs:
Tikhomirov N.P., Chetverikov V.M.
Scientific Secretary:
Artyukhova M.A.

1. Meshkov N. A.
Moscow, National Research University Higher School of Economics
APPLICATION OF SELF-ORGANIZATION APPROACH FOR SOLVING THE PROBLEM OF FORECASTING IN AN INTELLIGENT MANAGEMENT SYSTEM OF INNOVATIVE DEVELOPMENT OF THE RUSSIAN MEDICAL-INDUSTRIAL COMPLEX IN THE INFORMATION SOCIETY

2. Lichman A.A.,* Lichman G. I.
Moscow, Russian institute of agrarian problems and informatics named after A.A. Nikonov.*, Moscow Russian institute of mechanization, Moscow.
DESIGN OF THE INFORMATION TECHNOLOGIES FOR VARIABLE RATE APPLICATION OF FERTILIZERS

Moscow, All-Russian Institute of Agrarian Problems and Informatics named after A.A. Nikonov.
NEW INFORMATION TECHNOLOGY IN RUSSIAN AGRICULTURE MANAGEMENT

4. Romanenko I.
All Russian Research Institute of Agricultural Problems and Informatics, Moscow, Russia
MODELLING REGIONAL ALTERNATIVE MANAGEMENT SCENARIOS WITH FUTURE CLIMATIC CHANGE INFLUENCE ACCOUNTING

5. Galakhov, I., Ageykin, M,
EC-leasing, Moscow
FIELDS OF APPLICATION SOCIAL NETWORKS DATA IN ECONOMIC PRODUCTIVITY

Ufa state aviation technical university
INCREASING MANAGEMENT EFFICIENCY DISPROPORTION of REGIONAL HEALTH CARE SYSTEM BASED ON OF THE USE OF CLUSTERING AND SYSTEM APPROACH

7. Doroshenko M.
Institute for Statistical Studies and Economics of Knowledge, National State University Higher School of Economics, Moscow
IT SERVICES AS DRIVERS OF SERVICE AND MANUFACTURING INNOVATION ACTIVITIES.

8. Veber, J., Jirinova, K.
University of Economics, Prague
EVALUATION OF INNOVATION

9. Ezhov G., Klemashev N.
EC-leasing, Moscow
FORECASTING LEADING INDICATOR OF INDIVIDUALS’ DEPOSITS MASS WITHDRAWAL FOR A COMMERCIAL BANK

10. Fionova L.R.
Penza State University
URGENT QUESTIONS IN WORK OF GOVERNMENT BODY’S WITH ELECTRONIC DOCUMENTS

11. Artamonov Ivan
Department of Informatics and Cybernetics, Faculty of Informatics, Accounting and Service, Baikal State University of Economics and Law
COLOURED PETRI NET USAGE FOR MODELING A BUSINESS TRANSACTION IN A SERVICE-ORIENTED ENVIRONMENT

12. Semenikhina I.Y.
Novosibirsk State Technical University
ROUTINIZATION OF BUSINESS PROCESSES OF MANAGEMENT: ANALYSIS OF THE STRATEGIC TOOLS

Volgograd, VSTU
INTELLIGENT SUPPORT OF DECISION MAKING IN WASTE MANAGEMENT USING CASE BASED REASONING AND ONTOLOGY

14. Kiryushina A.
Moscow, EC-leasing JSC
DEVELOPING A MODEL FOR PROCESSING DATA FOR ‘ASSESSMENT AND FORECASTING OF BUSINESS SUSTAINABILITY OF SECTORS OF NATIONAL ECONOMY (USING THE EXAMPLE OF AGRICULTURE)’ PROJECT

15. Krasavina, A.K.
Moscow, MIEM HSE
COMPUTATIONAL COMPLEXITY OF THE TASK ASSIGNMENT ALGORITHM IN PROJECT MANAGEMENT SYSTEM

16. Lê Xuân Quyền, Kravets, A.G., Korotkov, A.A.
Volgograd, VSTU
CRYPTOGRAPHIC PROTOCOL MAINTAINING CONFIDENTIALITY AND ANONYMITY IN SOCIAL NETWORKS
17. **Orlov R. A., Orlova O. B.**  
*Saint-Petersburg, SUAI*  
THE LOGISTIC MANAGEMENT AT THE SPECIAL SEAPORT ECONOMIC AREAS

18. **Zavyalova D.A.**  
*Penza, PenzGTU*  
QUESTIONS OF THE ORGANIZATION OF MEDICAL EXAMINATION OF THE POPULATION USING INDUSTRIAL CONTROL SYSTEM (ICS)

19. **Ribina E.G.**  
*Russia, Moscow, MSU of M.V.Lomonosov*  
SPECIFICITY IMPLEMENTATION OF INTELLIGENT MANAGEMENT IN THE RUSSIAN CITIES

20. **Savin I.I.**  
*Moscow, MIEM HSE*  
METHODS AND TOOLS OF INFORMATION PERSONALIZATION IN PROJECT AND PROCESS MANAGEMENT SYSTEMS

21. **Seminay E.V.**  
*Moscow, Russian University of Economics it. G.V.Plehanova*  
TOOLKIT OF RISK - MANAGEMENT OF FACTORING

22. **Sharafutdinova E.N.**  
*Russia, Novosibirsk State Technical University*  
AUTOMATED INFORMATION SYSTEM “ELECTRONIC INSPECTOR” FOR THE RUSSIAN MINISTRY OF EMERGENCY SITUATIONS

23. **Shmelev Y.**  
*Astrakhan Technical Lyceum*  
DIGITAL ANTI-FORENSICS IN LINUX

24. **Soroko, E.L.*, Voronin, V.M.**  
*National Research University Higher School of Economics*, *Federal State Statistics Service*  
NEW INFORMATION TECHNOLOGY IN DATA PROCESSING OF POPULATION CENSUS RESULTS

25. **Maryna Getman**  
*Donbass State Engineering Academy, Ukraine*  
ANALYSIS OF THE METHODS FOR THE ASSESSMENT OF ENTERPRISE INTELLECTUAL CAPITAL

*Penza, PenzGTU * Penza, PIUF*  
APPLICATION OF COMPUTER TECHNOLOGY IN THE PRACTICE OF NEUROVASCULAR CENTRES
27. Goryunova T.I.  
*Penza, PenzGTU*  
QUESTIONS BUILD MEDICAL SYSTEMS BASED ON CONCEPTUAL SPECIFICATIONS.

28. Goryunova T.I.  
*Penza, PenzGTU*  
THE SOFTWARE OF ONTOLOGICAL PROTECTION IN THE GLOBAL INFORMATION SURROUNDINGS.

*FSEI of HPE «Penza State University», **FSEI of HPE «Penza State Technological University»*  
THROUGH SYSTEM PLANNING SPECIES QUALITATIVE PERFORMANCE MANAGEMENT UNIVERSITY.

30. Vishnevskaya N.G., Galumyan L.E.  
*BashGU, Ufa*  
NON-ECONOMIC COERCION TO WORK WITH EFFECTIVE ECONOMIC PERFORMANCE OF THE RUSSIAN PRISON SYSTEM.

31. Gubina A.V.  
*Russian State Agricultural University*  
PROBLEMS OF LANDSCAPING IN MOSCOW: NEW OPPORTUNITIES IN THE SETTING OF INFORMATION TECHNOLOGY APPLICATION.

32. Galimova A.S., Masalimova G.R.  
*Institute of Economics, Finance and business, Bashkir State University, Ufa*  
PROBLEMS OF FORMATION OF LABOR POTENTIAL OF THE REGION.

33. Valerij A. Kamaev, Aleksej V. Melikov  
*FSBEI HPE Volgograd State Technical University, Penza Artillery Engineering Institute named after Chief Marshal of N.N. Voronov’s Artillery of the Russian Federation Ministry of Defense*  
METHOD OF PREPARATION AND ANALYSIS OF DATA COLLECTED DURING THE EXPERT INTERVIEW.

34. Lovtsov D. A., Dementieva A.V.  
*Moscow, Lebedev Institute of Precision Mechanics and Computer Engineering, Russian Academy of Science*  
METHODS OF PROTECTION OF THE INTELLECTUAL ACTIVITY RESULTS IN INTERNET INFOSPHERE.

35. 1Arakelyan M.A., 1Golyandin A.N., 1,2Shabanov A.P.  
*Moscow, 1 IBS Group, 2 Institute of Informatics Problems of RAS*  
LABORATORY DIAGNOSIS OF INFORMATION BUSINESS SYSTEMS.

36. Baranov A.V., Tagaev A.V.  
*Rostov-on-Don, The South Russian Institute of the Russian Presidential Academy of National Economy and Public Administration*
PRESENT STAGE OF E-GOVERNMENT DEVELOPMENT IN RUSSIAN REGIONS: PROBLEMS AND PROSPECTS

37. Klochkova E.N., *Ledneva O.V.
Moscow, Moscow State University of Economics, Statistics and Informatics; *Moscow, NRU HSE, Synergy Moscow University of Industry and Finance
STATISTICAL ANALYSIS OF REGIONAL IDI INDEX IN THE COMMONWEALTH OF INDEPENDENT STATES (CIS)

38. Kookueva V.V.
Moscow State University of Economics, Statistics and Informatics (MESI)
CURRENT PROBLEMS OF POVERTY AND POPULATION DIFFERENTIATION INCOME IN RUSSIA

39. Tikhomirova T., Sukiasyan A.
Moscow, Plekhanov Russian University of Economics
COMPARATIVE ANALYSIS OF THE RUSSIAN FEDERATION REGIONS TAKING INTO CONSIDERATION THE RISKS OF SOCIAL TENSIONS

40. Ilyasov B.G., Zakieva E.Sh., Filosova E.I.
Ufa, Ufa State Aviation Technical University
SIMULATION MODELING SYSTEM OF THE LIFE QUALITY DYNAMICS

41. Dolomatov M.Yu., Zhuravleva N.A., Martynov V.V., Filosova E.I.
Ufa, Ufa state aviation technical university
APPLICATION OF OPEN SOURCES OF INFORMATION FOR CALCULATION OF SOCIAL TENSION OF SOCIETY

42. Martynov, V.V., Filosova, E.I., Sharonova, Yu.V.
Ufa, USATU
TECHNOLOGY KNOWLEDGE MANAGEMENT IN THE FIELD OF OIL PRODUCTION

43. Lyubovskaya, N. M.
Moscow, MSUTM named K.G. Razumovsky
THE OIL PROCESSING DEVELOPMENT IN RUSSIA ON THE BASIS OF CORPORATE FORSYTHE'S TECHNOLOGY

44. Aevskii V.V., Chetverikov V.M.
Moscow, NRU HSE
RUSSIAN CREDIT RATE AND ARBITRAGE THEORY

45. Yastrebov A.P., Yastrebov V.A.
Saint Petersburg State University of Aerospace Instrumentation
THE ROLE OF INTERNET - COMMUNICATIONS IN QUALITY CONTROL AND DEVELOPMENT OF INNOVATION ACTIVITY OF ENTERPRISE

*Volgograd , Volgograd State Technical University, **Volgograd , Volgograd State Medical University
CATEGORICAL REPRESENTATION OF THE MODEL OF THE KNEE
47. Gasanbekova, I.Z.A., Isaeva, Z. U., Aliev, S. A.
1Republican Cancer Clinic, 2 LLC Medical center «Vash Doktor», 3 Department of Oncology AD DSMA, Makhachkala, Republic Of Dagestan, Russia
OPTIMIZATION OF TREATMENT METHODS OF BACKGROUND AND PRECANCEROUS DISEASES OF THE CERVIX UTERI IN OUTPATIENT GYNECOLOGY

48. Shklovsky, B.L., Popov, A.P., Baksheev, V.I., Uvaysova, K.U., Isaeva, Z.U.
FSBE “3 CMCH of A.A. Vishnevskiy” RF DM, Krasnogorsk, Russia; 2 Municipal clinical hospital №71, Moscow, Russia; The medical centre «Your doctor», Makhachkala, Russia
RESULTS OF TWO YEAR EDUCATION PROGRAM OF PATIENTS WITH CORONARY HEART DISEASE, COMBINED WITH TYPE 2 DIABETES MELLITUS

49. Gasanbekova, Z.A., Aliev, S.A.
1Republican Oncology Center, 2 Department of Oncology DSMA, Makhachkala, Republic of Dagestan, Russia
OPTIMIZING TREATMENT OF TROPHOBLASTIC DISEASE

50. Aliev, S.A., Alieva, M.S.
Department of Oncology DSMA, SBI RD SCA "Dagenstan Thoracic Surgery Centre", Makhachkala, Republic of Dagestan, Russia
MULTILEVEL ANALYSIS ONCOSURGERY ASSISTANCE AND IMPROVEMENT OF ONE-STAGE RADICAL SURGERY ON THE ESOPHAGUS AND GASTRIC CARDIA.

Daghestan State University
FALSIFICATION OF MEDICINES – A FACTOR OF CAUSING DEATH ON IMPRUDENCE OWING TO IMPROPER EXECUTION BY THE MEDICAL WORKER OF THE PROFESSIONAL DUTIES

52. Zijadova D. Z.
Daghestan State University
YOUTH EXTREMISM IN THE NORTH CAUCASUS – THREAT OF SAFETY OF THE RUSSIAN STATE

53. Kryuchkov V. G.
The department of economic security and the opposition of corruption of Russian Interior Ministry department in Omsk region
FEMALE EXTREMISM IN THE NORTH CAUCASUS AS – EXTREME MANIFESTATIONS OF ACTIVITY OF CRIMINAL COMMUNITIES OF EXTREMIST NATURE

54. Magomedov K.R.
Daghestan State University
ABUSES OF POWERS OF OFFICE AND EXCESS OF POWERS OF OFFICE AMONG EMPLOYEES OF LAW-ENFORCEMENT BODIES ARE – A THREAT OF PUBLIC SAFETY

55. Ismailova P. U.  
Moscow  
CRIMINAL POLLUTION OF ATMOSPHERIC AIR – THREAT OF ECOLOGICAL SAFETY

56. Murzayeva D. G.  
Daghestan state university  
CRIMINOLOGICAL PROBLEMS OF VIOLATIONS OF THE RULES OF LABOR PROTECTION

57. Rabcevich, A.A  
BushGU, Ufa  
MODERN TRENDS OF INVESTMENT: MACROECONOMIC ANALYSIS, MODELING, REGULATION
INTERNATIONAL FESTIVAL
"DIGITAL FUTURE 2014!"

April 23-24, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

MFEB EVENTS PROGRAMME 2014:

Master Class
April 23, 2014 at 10:00
Master: Veroninka I. Yarnikh
Adviser to the head RARIO on managerial competencies, certified specialist in management of compliance (Switzerland)

EFFECTIVE COMMUNICATIONS AND COMPLIANCE MANAGEMENT WITHIN THE INFORMATION SOCIETY

Round table
April 23, 2014 at 12:00
Master: Veroninka I. Yarnikh
Adviser to the head RARIO on managerial competencies, certified specialist in management of compliance (Switzerland)

IDEAS OF COMPLIANCE MANAGEMENT FOR INFORMATION COSIETY

SEMINARS

April 24, 2014 at 16:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)
Master: Denis B. Soloviev
The Far Eastern Federal University, Vladivostok

I. DATABASE " DEMAND AND SUPPLY FOR INNOVATION DEVELOPMENTS

II. ELECTRONIC EMULATOR OF INNOVATION ACTIVITY OF HIGH SCHOOL.

ROUND TABLES

April 23, 2014 at 14:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)
Master: Revyakina I.A., Filippov A.N., Begishev A.I.
Agilent Technologies

AGILENT TECHNOLOGIES' SOLUTIONS IN THE FIELD OF SCIENCE AND EDUCATION

April 23, 2014 at 16:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)
Master: Ananin A.A.
National Instruments

OPEN PROGRAMMABLE PLATFORM IS THE VECTOR OF TECHNOLOGY DEVELOPMENT
April 24, 2014 at 14:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)

Master: Denis B. Soloviev
The Far Eastern Federal University, Vladivostok

USING THE INFORMATION TECHNOLOGIES IN MANAGEMENT OF SCIENCE AND INNOVATION ACTIVITIES OF HIGHER EDUCATIONAL INSTITUTIONS

Masters: Dr. Jose Estabil, Skoltech MIT Initiative and MIT Portugal Program, USA;
Erdin Beshimov, MIT office of Digital learning, USA.

OPEN DISTANCE LEARNING COURSE (MOOC) FOR RUSSIAN EDX PLATFORM AND USING OF MIT (MITX) COURSES IN EDUCATIONAL ACTIVITIES OF UNIVERSITIES

SUMMING UP, MAKING OF DECISIONS, CLOSING CEREMONY.

April 25, 2014 at 10:00
(Russian Centre of Science and Culture in Prague (RCSC), ul. Na Zátorce 16)
Новый подход к организации лабораторных работ с помощью ручных анализаторов Agilent FieldFox

Предимущества использования анализаторов Agilent FieldFox в учебном процессе:

- Функциональность 10 приборов в одном для экономии бюджета
- Анализатор спектра, анализатор цепей, кабельно-антенный тестер и многое другое
- Точные измерения до 26,5 ГГц
- Легко переносить из аудитории в лабораторию
- В комплект поставки включены материалы по основам ВЧ-/СВЧ-измерений и лабораторные работы

Возможность удаленного управления с помощью iOS

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8 800 500 0288 (звонок по России бесплатный)
Группа электронных измерений Agilent, включая 9500 ее сотрудников и 12000 измерительных приборов и решений, становится независимой компанией Keysight Technologies.

Подробнее на сайте www.keysight.ru
More than 35 years National Instruments Company creates high-tech measuring systems for leading companies in the aerospace industry, mechanical engineering, electronics and microelectronics, telecommunications, oil industry, energy and transport. National Instruments (USA) is a leader in the development and manufacture of hardware and software for measurement automation, experiment, diagnosing, managing a wide range of applications. NI Technology provides fast development and modernization of workshops, preparing students for successful solutions to engineering and scientific problems in areas such as electrical engineering, electronics, mechatronics, development management and control systems, digital signal processing and video, telecommunications, communications. Russian office of National Instruments for more than 10 years actively collaborates with industry and research institutions in Russia that can successfully implement large-scale projects to develop measurement systems as soon as possible. The most important areas of specialization of a company include certification of the equipment supplied, its warranty service, technical support, conducting trainings and refresher courses.
NI CompactDAQ - complete USB-or Ethernet-data acquisition system intended for measurement signals and for industrial process control.

PXI - a modular platform intended for creating rich and high-performance measurement and control systems. Architectural PXI consists of a chassis, in which modular devices are set in, controllers and interfaces for remote control platform. For today, the total number of units produced up to about 1500 types. A total number of companies engaged in the development and manufacture of modular instruments in the PXI format is 70.

NI CompactRIO is a reliable compact industrial system control and data acquisition, which expanded opportunities, thanks to technology reconfigurable input/output (reconfigurable input/output - RIO) FPGA (programmable logic integrated circuit).

Single-Board RIO is intended for creating high-volume embedded intelligent systems for data collection and management of complex machines and mechanisms.

NI WSN. Wireless sensor network (WSN) consists of three main components: measuring nodes, gateway and software. Units for measuring distributed in space, equipped with sensors to monitor physical phenomena, or observation of the environment. The collected data are transmitted wirelessly to a gateway connected to other wired systems, where you can carry out the collection, processing, analysis and presentation of results of measurements using the software. Routers are a special type of measurement units, which can be used to increase the duration of the transmission and reliability of WSN.