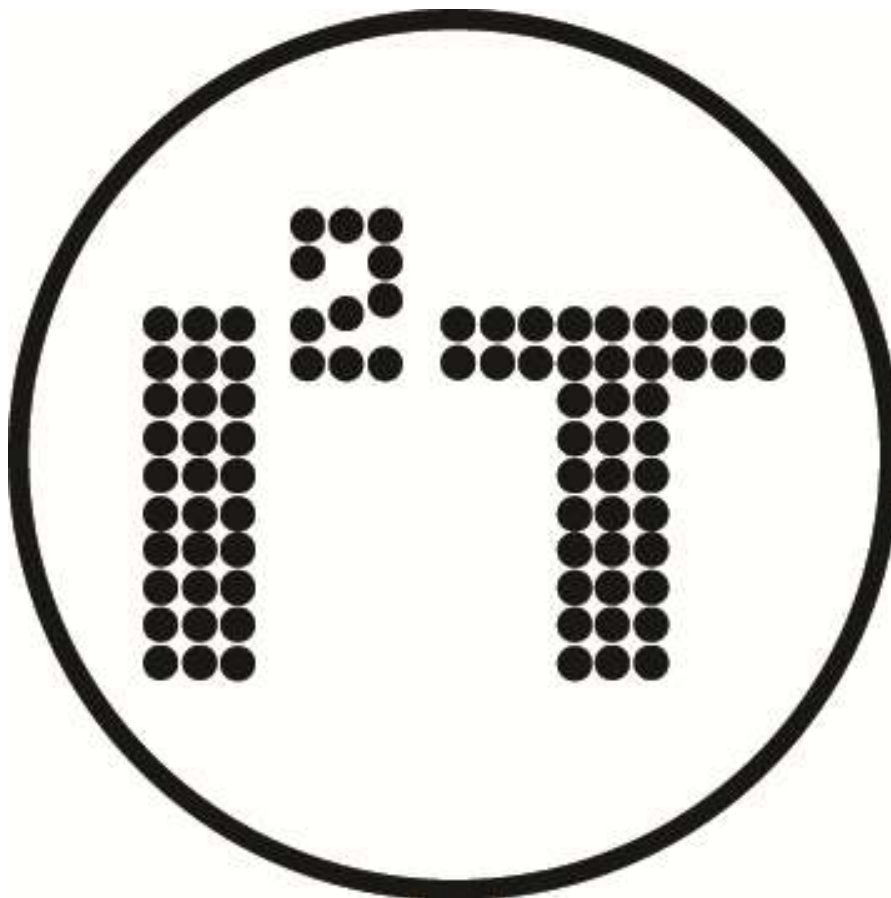


**Programme of the International
Scientific – Practical Conference
« INFORMATION INNOVATIVE TECHNOLOGIES »**



**Prague – 2018
April 23-27**

EVENTS

Plenary meeting



Fundamental issues of innovations

Results of fundamental researches in different scientific and practical activities are considered

Form of the report: plenary

Time-limit of the speech – up to 30 minutes

Section meetings



Section 1. Information technologies in education

Questions under consideration: educational process management at the high, secondary and basic education; distance education; ICT for improvement of teaching quality and others.

Form of the report – section

Time-limit of the speech – up to 10 minutes



Section 2. Information technologies in science and industry

Use of modern information technologies in provision of scholar researches and new types of equipment and technologies creation.

Form of the report – section

Time-limit of the speech – up to 10 minutes



Section 3. Information technologies in social-economic sphere

This section is dedicated to issues of innovative and information technologies use in different spheres of society life and activities.

Form of the report – section

Time-limit of the speech – up to 10 minutes





Section 4. Economy of information systems and digitalization

The section is devoted to the economic analysis of information systems and the current process of transition to a digital economy (digitalization).



Form of the report – section








Time-limit of the speech – up to 10 minutes

ORGANIZERS

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| Moscow Technological University (MIREA) |  |
| Russian Centre for Science and Culture in Prague |  |

| Sponsors | |
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| Experimental laboratory NaukaSoft |  |

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| Association of graduates and employees of AFEA named after prof. Zhukovsky |  |
| Immanuel Kant Baltic Federal University |  |
| Institute of Electronics and Information Technology of Lublin University of Technology |  |
| FSBEI HE DSMU MOH Russia |  |
| Permanent Mission of the Republic of Dagestan to the President of the Russian Federation |  |
| Tomsk State University of Control Systems and Radioelectronics. |  Томский государственный университет систем управления и радиоэлектроники |
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INFORMATION PARTNERS

"Information Technologies"
"Measurement Techniques"
"Quality. Innovation. Education»
"Sensors and Systems"
"EMC Technologies"
"Methods of Management Quality"
"Management Challenges"
"Caspian Journal Management and High Technologies"
"Reliability & Quality of Complex Systems"
"Russian technological journal"

Dear Colleagues,

I wholeheartedly welcome participants of the International Scientific and Practical conference “Information Innovative Technologies”



Today many countries seek transition to a qualitatively new, innovative vector of scientific and technological development as one of their priorities. Discussing topical issues of improving national innovation policies, introducing novel information technologies into prioritized sectors of the digital economy, science and education as well as addressing other crucial problems may create an impetus to achieve the goal.

Naturally the development of information innovative technologies and means of communication is attracting a great deal of public attention. People strive for cooperation in order to create and implement new formats of information interaction. We see innovative communication technologies as a foundation for establishing modern information society and a key element to facilitate economy of a new innovative type.

The system of information innovative technologies being implemented on their basis will help general public, scientific and education institutions, businesses and governments to work more efficiently. Information technologies are embedded in virtually every aspect of human life, making each step of its development impossible without coordinated decision-making.

The conference today is a convenient platform for professionals in business, education and science to converse. I sincerely hope that discussing the above-mentioned issues of implementing information innovative technologies within the framework of the forum would become a significant support for solving strategic tasks, increasing people’s welfare and standard of living. Thanks to the organizers’ efforts, forum participants can enjoy an intense and exciting programme. We are looking forward to seeing the results of topical discussions and the recommendations derived.

I wish the participants of the International Scientific and Practical Conference to achieve their goals and successfully realize new ideas for the creation and implementation of information and innovative technologies that will undoubtedly appear on this forum.

President of MTU A.S. Sigov

Dear colleagues!



This year our university is once again holding the annual International Scientific and Practical Conference "Information and Innovative Technologies".

This conference is taking place at a time when the higher education system faces issues associated with finding fundamentally new solutions and mechanisms allowing to reflect the new policies of many countries in this sphere.

Active introduction of the latest information and innovative technologies is one of the key conditions for the national development. In addition to the economic effects, information technologies have a huge impact on the modern lifestyle, introducing new business models, as well as novel methods of state management and education formats.

Formation of professional human resources is a prerequisite for the advancement of information innovative technologies. We have to further improve the system of training and professional development for information technology professionals, introduce educational and professional standards that comply with the international ones.

At the same time, a serious increase in the competence level of future specialists appears impossible without the involvement of employers. It is the employers who determine the content, structure and quality assessment criteria of the novel education system, being its major customer.

I hope that the conference held by our university will allow many of its participants to bring their ideas to the wider audiences in various fields of activity, to share their accumulated experience and opinions on the most vital issues and problems, to create favorable conditions for further cooperation and creative activity of its individual participants as well as research teams.

I wish everyone fruitful and meaningful work, new business links established, and success!

Rector of MTU S.A. Kudzh

**Welcoming word to the participants
of the international scientific and practical conference
«Information Innovative Technologies»**

Andrey Viktorovitch Konchakov

Associate director of the Russian centre for science and culture in Prague



Dear organizers, participants and guests of the International Scientific and Practical Conference «Information Innovative Technologies»!

Indeed, it is my great pleasure to have an opportunity to host the conference in Russian center for science and culture in Prague. It is dedicated to up-to-date information technologies for building and creating a modern education platform.

It is a great pleasure for me to host the conference in Russian center for science and culture in Prague. The Conference is dedicated to up-to-date information technologies for creation and development the modern education platform. It is known that management improvement in education using advanced information technologies is one of the most important factors in development of economy and society.

In many countries, the cooperation between state universities and companies of the innovation and education sphere develops differently. The major Conference goal is collaboration of state authorities, educational institutions, public and business organizations of Russia and their like-minded representatives from abroad.

I believe that the I²T feedback would be especially good for further educational improvements based on new information technologies.

I wish the organizers, participants, guests of this Conference to get success, and be assure of the full support for the innovative projects presented and promoted by the means of Russian Centre for Science and Culture in Prague.

Andrey Konchakov

Welcome words of chairman of the conference organizing committee.



Dear colleagues,

It's my pleasure to greet you at the beginning of our annual International Scientific and Practical conference which has already become a tradition! On behalf of the organizing committee, let me express my gratitude to all those who have found the opportunity to come for full participation in the work of the event. In addition, I would like to thank the Russian Center of Science and Culture in Prague for the heartwarming reception and excellent conditions for the planned plenary and sectional meetings, round tables and master-classes.

Organizing this event in the geographical center of Europe - the Czech Republic - we are looking forward to broad international participation and exchange of opinions, problems and solutions to these problems in the field of information technologies and their innovative applications in a wide range of human activities: from education and science to the economy and social sphere.

Considering the needs for the participants in publishing the materials of their works in peer-reviewed journals indexed with Scopus and WoS, we plan to hold an international seminar within the framework of our conference. The seminar is dedicated increasing the design efficiency for electronic devices and technological production processes.

I am glad to announce that the next year's seminar has been included in the IEEE calendar under the number 44515.

Meanwhile, we have always believed that one should seek novel ideas and groundbreaking results at the intersection of different science branches. Therefore, the conference agenda will remain broad in terms of the problems under consideration and open-minded towards the emergence of new sections, roundtables, master classes and other forms of international scientific and practical cooperation. That said, information technologies will remain the unifying basis.

I wish creative inspiration, rewarding work and pleasant impressions for all the participants of the conference.

Yours Saygid U. Uvaysov

CONFERENCE SCHEDULE

| EVENTS | 23.04.17 Mon | 24.04.17 Tue | 25.04.17 Wed | 26.04.17 Thu | 27.04.17 Fri |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Arrival and accommodation of participants | All day long | | | | |
| Meeting of the Organizing Committee | From 11.00 to 13.00 | | | | |
| Registration of participants | | From 09.00 to 10.00 | | | |
| The Conference Opening and plenary session | | From 10.00 to 17.00 | | | |
| Section meeting | | | From 10.00 to 16.00 | From 10.00 to 16.00 | |
| Round tables | | | From 16.00 to 18.00 | From 16.00 to 18.00 | |
| Final meeting, summarizing and making conclusions | | | | | From 10.00 to 12.00 |

Lunch break - From 13.00 to 14.00

OPENING CEREMONY

April 24, 2018 at 10:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

- Greeting remarks by the scientific supervisor A.S.Sigov
- Greeting remarks by the chair of the program committee S.A.Kudzh
- Greeting remarks by the director of the Russian centre for science and culture in Prague A.V.Konchakov
- Greeting remarks of Russian trade representative in Czech Republic S.K.Stupar
- Greeting remarks by the Chairman of the Organizing Committee S.U.Uvaysov
- Greeting remarks by the conference sponsor S.P.Khalyutin (General Director Experimental laboratory NaukaSoft)
- Greeting remarks by First Deputy Head of Information Technologies Department OJSC "SURGUTNEFTEGAS" O.Yu.Latypova
- Greeting remarks by the organisational partner V.P.Kharkov (Association of graduates and employees of AFEA named after prof. Zhukovsky)
- Greeting remarks by the rector of Lublin University of Technology Kacejko Piotr
- Greeting remarks by the rector of Yugra State University T.D.Karnimskaya
- Greeting remarks by the rector of Tomsk State University of Control Systems and Radioelectronics A.A.Shelupanov
- Greeting remarks by the Representatives of the Czech Republic

PLENARY SESSION

April 24, 2018 at 11:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

*Chairman: Uvaysov S.U.
Academic Secretary: Lyshov S.M.*

1. Lugachov M.I., Skripkin K.G.
Moscow State University
UNDERSTANDING INFORMATION REVOLUTION
2. Karminskaya T.D.
Yugra state university, Rector
PROBLEMS AND TRENDS IN HIGHER EDUCATION
3. Avakyan A.A.
JSC "SRIAE", professor
INNOVATIVE SOLUTIONS IN DEVELOPING A HIGHLY RELIABLE
AVIATION OF CIVIL AIRCRAFT
4. Perelyaev S.E.
A. Ishlinsky Institute for Problems in Mechanics
WAVE SOLID-STATE GYROSCOPE - THE INERTIAL SENSOR OF NEW
GENERATION

5. Ismagilov F.R.
Ufa State Aviation Technical University, professor
INFORMATION TECHNOLOGIES IN DEVELOPMENT OF HIGH EFFICIENT
STARTER-GENERATORS OF AVIATION GAZATURBINE ENGINES
6. Khalyutin S.P.
Experimental laboratory NaukaSoft, General Director
MODERN STATE AND PROSPECTS OF CREATION the FULLY ELECTRIC
PLANES
7. Khairtdinov M.S.
Institute computational mathematics and mathematical geophysics of Siberian
Branch of RAS, principal scientific research
INFORMATION TECHNOLOGIES IN solution the PROBLEMS OF
GEOPHYSICAL EARTH MONITORING
8. Omarov N.S.-M.
Dagestan State Medical Unuversity
MODERN INNOVATIVE TECHNOLOGIES IN MEDICINE
9. Karev V.A., Kravets A.G.
Volgograd State Technical University
INVESTIGATION OF ATTACKS METHODS ON INFORMATION SYSTEMS

Section 1
INFORMATION TECHNOLOGIES IN EDUCATION

April 25, 2018 at 10:00
(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

Chairman: Karminskaya T.D.
Academic Secretary: Kuzina E.A.

1. Mudrakova O.A.
Russian State Social University, Moscow
INFORMATION TECHNOLOGIES AS A FACTOR IN THE FORMATION OF
THE INFORMATION CULTURE OF PUPILS
2. Pestryaeva Svetlana
RSU named after A.N. Kosygina
COMMUNICATIVE APPROACH TO STUDYING ENGLISH TEXT WITH THE
USE OF ICT
3. Goloshubova O. M., Naumov V.J.*, Avdeuk O.A.*
State Budget Professional Educational Institution "Volgograd Economic and
Technical College", *Federal State Budget Educational Institution of Higher
Education "Volgograd State Technical University"
USING AR-TECHNOLOGIES IN THE CONTEMPORARY EDUCATIONAL
PROCESS

4. Aydarkin EK*, Pavlovskaya MA*, **
*Southern Federal University, **Don State Technical University
EDUCATIONAL TECHNOLOGIES FOR IMPROVING OF ASSESSMENT EFFICIENCY
5. Elbakyan A.S.
Volgograd State Social Pedagogical University, Volgograd
SPECIFIC FEATURES OF THE EDUCATIONAL SYSTEM IN ADDITIONAL EDUCATIONAL INSTITUTIONS IN THE RUSSIAN FEDERATION
6. Pepelyaeva M.A., Stasyshin V.M.
Novosibirsk State Technical University
ESTIMATION OF COMPUTATIONAL PERFORMANCE FOR VDI PRIVATE CLOUD
7. Avdeuk, O. A., Druzhinina L. V., Lemeskina I. G., Pavlova E. S., Prikhodkova I. V., Koroleva I. Yu.
Volgograd, Volgograd State Technical University
THE ALGORITHM OF PREPARING STUDENTS TO PARTICIPATE IN OLYMPIADS IN INFORMATICS
8. Aseeva S.D., Aseeva E.N., Avdeyuk O.A., Marchuk D.V.
Volgograd State Technical University
METHODS OF ASSESSING THE ACTIVITY OF A UNIVERSITY PROFESSOR
9. Ananyevski A.A., Timonina O.D, Bulakh D.A.
National Research University of Electronic Technology, Moscow, Russia
DEVELOPMENT OF AN ACADEMIC CLOUD SERVICE FOR DESIGNING DIGITAL INTEGRATED CIRCUITS
10. Bogodistova E.S., Telnov G.G.
Russian University of Transport, Russia, Moscow
INTERACTIVE EXPERIMENTS WITH OPTICAL DISC DRIVE AND ESTIMATING RECORDING DENSITY
11. Katasonova G.R., Sotnikov A.D.,
The Bonch-Bruевич Saint-Petersburg State University of Telecommunications
ABOUT THE TRAINING OF ACADEMIC BACHELORS IN PERIOD OF EDUCATIONAL STANDARDS MODERNIZATION
12. Larina T.B., Shabanov D.V.
Russian university of transport (MIIT),
THE COMPLEX DATABASE FOR THE ORGANIZATION OF EDUCATIONAL PROCESSES OF DEPARTMENT
13. Makarova I.V., Shubenkova K.A., Bagateeva A.O., Mukhametdinov E.M., Mavrin V.G.
Kazan Federal University
DIGITALIZATION OF SOCIETY – NEW CHALLENGES TO THE ENGINEERING EDUCATION SYSTEM

14. Martynov V.V., Filsova E.I., Shiryaev O.V., Zakieva E.Sh.
Ufa state aviation technical university
MANAGEMENT OF EDUCATIONAL PROGRAMS THAT TAKE INTO
ACCOUNT REQUIREMENTS OF EMPLOYERS
15. Panin V.A., Privalov AN, Bogatireva J.I.
Tula State Pedagogical University named after L.N. Tolstoy
OPTIMIZATION OF THE SOFTWARE OF THE EXPERIMENTAL STAND FOR
THE EVALUATION OF THE STRESS-STRAIN STATE OF THE PRODUCT
OBTAINED USING ADDITIVE TECHNOLOGIES
16. Privalov A.N., Bogatireva J.I.
Tula State Pedagogical University
SPEAKING ABOUT THE DESIGNING AND CREATING A PORTAL "YOUNG
SCIENTISTS OF THE TULA REGION"
17. Safonova I.E.
Moscow Witte University, Russian University of Transport (RUT - MIIT)
THE PROPAGATION MODEL OF GRAVITATIONAL WAVES IN CURVED
SPACE-TIME
18. Safonova I.E., Sudnishnikova S.I.*
Moscow Witte University, Russian University of Transport (RUT - MIIT), *Moscow
Witte University
TRAINING PROGRAM ON METHODS OF PRESENTATION OF DATA IN
VARIOUS TYPES OF COMPUTERS
19. Sotnikov A.D., Katasonova G.R.
The Bonch-Bruевич Saint-Petersburg State University of Telecommunications
THE HIGHER EDUCATION SYSTEM IN «DIGITAL ECONOMY»
20. Sotnikov A.D., Katasonova G.R.
The Bonch-Bruевич Saint-Petersburg State University of Telecommunications
STRUCTURAL-FUNCTIONAL ORGANIZATION OF TELEMEDICINE
SERVICES IN APPLIED INFOCOMMUNICATION SYSTEMS

Section 2

INFORMATION TECHNOLOGIES IN SCIENCE AND INDUSTRY

April 25, 2018 at 10:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

Chairman: Mescheryakov R.V.

Academic Secretary: Khalyutina O.S.

1. Selenya K.A., Trefilov N.A.
Moscow Technical University (MIREA)
MODELING CAMERAS MICROWAVE HEATING TUNNEL TYPE

2. Dementiev A. N., Nefedov, V. I. Trefilov, N..A.
Moscow Technical University (MIREA)
APPLICATION OF METHODS OF SYSTEMS ANALYSIS FOR PROBLEMS OF ELECTROMAGNETIC COMPATIBILITY OF THE SPACECRAFT
3. Palaguta K.A., Link I.P.
Moscow, Moscow Polytechnic University
ANALYSIS OF INTERFACES FOR THE INTERACTION OF VEHICLES WITH EACH OTHER AND WITH THE INFRASTRUCTURE
4. Arkhipova A.E.
National Research University "Higher School of Economics"
ELECTRONIC DEVICE FOR RECORDING CHANGES IN GEOMETRIC PARAMETERS DURING GAS FORMING PROCESS
5. Batarueva E.I.
National Research University Higher School of Economics (A.N. Tikhonov Moscow Institute of Electronics and Mathematics)
ESTIMATION OF THE DELAY TIME MEASUREMENT ERROR IN THE REDUCED MODELS OF LSI INTERCONNECTS
6. Uvaysova A.S., Bushmelev P.E.*, Uvaysov S.U.** , Bushmeleva K.I.***
Moscow State Technical University, *Communications Department LLC «Gazprom transgaz Surgut», **Moscow Technological University, ***Surgut State University
METHOD OF DETECTION OF METHANE LEAKS INCLINED LASER BEAM WITH THE AIRCRAFT IN THE MONITORING OF THE PIPELINE
7. Grachev N.N., Safonov S.N.
National Research University Higher School of Economics
INVESTIGATION OF BEHAVIOR OF VARIABLE CONTACT IN THE PROCESS OF EDUCATION AND DISTRIBUTION OF CONTACT RADIO TRANSMISSIONS
8. Chernodarov A. V.
«NaukaSoft» Experimental Laboratory, Ltd., Moscow, Russia,
IDENTIFICATION AND AN INVERSE PROBLEM OF ADAPTIVE FILTERING
9. Ermakov A.S., Gvozdarev R.S., Andreev I.V., Ionov K.S.
Research and Production Corporation «LIANOZOVO ELECTROMECHANICAL PLANT»
RESEARCHING OF POSSIBILITY OF ADDITIVE TECHNOLOGIES APPLYING WITHIN MODERN MICROWAVE TECHNIQUE PRODUCTION
10. Filatov S.E.
Lianozovo electromechanical plant, Moscow State Technological University Stankin
DEVELOPMENT OF AUTOMATED PRODUCTION PROCESS CONTROL SYSTEM OF SUPERHIGH FREQUENCY MODULES OF KNOWLEDGE-INTENSIVE RADAR STATION

11. Drize A.D., Klimov K.N.
Research & Production Corporation «Lianozovo Electromechanical Plant»
EM SIMULATION OF THE DISH ANTENNA USING PROGRAM COMPLEX ANSYS HFSS
12. Gritsenko Yu.B., Meshcheryakov R.V., Putova R.E. *
Tomsk University of Control Systems and Radioelectronics, *Moscow Technological University
RATIONALE FOR SELECTING THE TYPE OF CONTROL SYSTEM FOR UNDERWATER PRODUCTION WITH THE USE OF THE COAST STATION
13. Grodzenskiy S.Ya., Grodzenskiy Ya.S., Korshunov M.S.
Moscow Technological University (MIREA)
THE TAYLOR SYSTEM, LEAN PRODUCTION AND AGILE MANUFACTURING
14. Khalyutina O.S., Kharkov V.P.*
LLC “Experimental laboratory NaukaSoft”
PARAMETRIC IDENTIFICATION OF DYNAMICAL SYSTEMS IN PROBLEMS OF OPTIMAL CONTROL
15. Klimov K.N.
Research & Production Corporation «Lianozovo Electromechanical Plant»
DISTRIBUTION SYSTEM FOR MULTI-BEAM ACTIVE PHASED ARRAY ANTENNAS
16. Kozlovsky I. B., Malafeev A.V., Kolesnikov, S. M.
Moscow technical University (MIREA)
SIMULATION OF STRIPLINE ANTENNAS FOR MOBILE COMMUNICATION SYSTEMS
17. Akimov A.A., Litvinov A.N.
Penza, Penza State University
VIBRATION RESISTANCE ANALYSIS OF CONTACT SYSTEMS IN VACUUM SWITCHING DEVICES
18. Mishchenkova A.I., Krasnikov S.A., Nikolaeva S.V.
Federal State Budget Educational Institution of Higher Education «K.G. Razumovsky Moscow State University of technologies and management (the First Cossack University) »
SELF-REACTANCE METHODS OF EVALUATION OF VALUES OF INDEXES OF FUNCTIONALLY-TECHNOLOGICAL PROPERTIES OF LIQUID ENVIRONMENTS
19. Monakhova K.V.***, Kesov Y.V.**
*Higher School of Economics Moscow), **The Main Research and Testing Center for Robotics of Defense Ministry of the Russian Federation.
PROSPECTS OF DEVELOPMENT OF GROUND ROBOTIC ENGINEERING COMPLEXES FOR MILITARY PURPOSE

20. Chernyshov N.N., Belousov A.V., Rogozin I.V., M.A.F. Alkhaldeh*
Belgorod State Technological University named after V.G. Shukhov, Russia,
*Kharkov National University of Radio Electronics, Ukraine
USING PHYSICAL PROCESSES IN SEMICONDUCTOR MATERIAL FOR
PHOTOELECTRIC ENERGY CONVERSION IN THE EDUCATIONAL
PROCESS OF ELECTRIC POWER SPECIALTIES
21. Nazarov D.A.
Institute of Automation and Control Processes, Far Eastern Branch of Russian
Academy of Sciences, Vladivostok
PARALLEL ALGORITHM OF INSCRIBING FIGURES INTO ACCEPTABILITY
REGION
22. Nekrasov H.A., Romanova I.I.
National Research University Higher School of Economics
HARDWARE-SOFTWARE APPROACH FOR CONTROL OF COMPUTER
NETWORKS
23. Palaguta K.A., Alexeev A.A.
Moscow, Moscow Polytechnic University
THE USE OF GENETIC ALGORITHMS FOR CALCULATING THE
TRAJECTORY OF THE OBSTACLE DETOUR
24. Razheva A.V., Rozaliev V.L., Orlova Y.A.
Volgograd State Technical University
MODERN EYE TRACKING RESEARCH AND TECHNOLOGY
25. Rozaliev V.L., Gusynin O.S, Orlova Y.A.
Volgograd State Technical University
HUMAN EMOTION RECOGNITION IN REAL TIME
26. Ulyev A.D., Rozaliev V.L., Alekseev A.V.
Volgograd State Technical University
AUTOMATED RECOGNITION ADVISERS ON VIDEO
27. Yurkova E.M., Kuzina E.A.*
University of Economics, Faculty of Informatics and Statistics (Praga, Czech
Republic), * Moscow technologic University «MIREA» (Moscow, Russia)
PROJECT MANAGEMENT IN MODERN ECONOMICS
28. Alekseyev A.S. *, Prikhodko V.V., Novikov S.G., Berintsev A.V., Somov A.I.
S.P.Kapitsa Technological Research Institute of Ulyanovsk State University
RFID-BASED INFORMATION SYSTEM FOR MONITORING PERSONAL
RADIATION DOSES
29. Bardin V.A., Vasil`ev, Artemov I.I., V. A., Chernov, P. S., Tsarev P.S.
Penza, PSU
INFORMATION-MEASURING AND CONTROL SYSTEMS USING
PIEZOELECTRIC ACTUATORS AND MOTORS

30. Glukhov P.A., Uvaysov S.U.
Moscow Technological University (MIREA)
MINIATURIZATION OF TYPICAL RADIOELECTRONIC FUNCTIONAL
UNITS FOR THE SPACE VEHICLES.
31. Guzhov V.I., Ilinykh S.P.
Novosibirsk State Technical University, Novosibirsk Russia
REMOVING THE INFLUENCE OF NONLINEAR DISTORTIONS IN THE
METHODS USING PHASE SHIFT INTERFEROMETRY
32. Palaguta K.A., Lvov N.Yu., Lvovskiy T.A.
Moscow, Moscow Polytech University
AUTOMATION OF FATIGUE VIBRATION TESTING AT HIGH
TEMPERATURES
33. Popov F.A., Anufrieva N.Y., Selivanova D.A.
Biysk Technological Institute (branch) of the Altay State Technical University
INTERFACE-BASED COMPUTER-AIDED DESIGN OF MULTI-COMPONENT
FOOD PRODUCTS
34. SudorGIN, S.A., Lebedev, N.G.*
Volgograd State Agricultural University , *Volgograd State Agricultural University,
DIFFERENTIAL THERMOPOWER CARBON NANOSTRUCTURES IN AN
EXTERNAL ELECTRIC FIELD
35. J.G. Bermúdez S.
Southern Federal University, Taganrog.
APPROBATION AND RESULTS OF EXPERIMENTAL STUDIES OF THE
METHOD OF TEXTS SEGMENTATION AND SEMANTIC COMPARISON
36. Mukha Yu.P., Avdeuk O.A., Koroleva I.Yu.
Volgograd, Volgograd State Technical University
METROLOGICAL ESTIMATION OF THE MEASUREMENT ERROR IN THE
STRUCTURAL AND ANALYTICAL DESIGN OF COMPLEX MEASUREMENT
SYSTEMS
37. Polyakov V.S., Avdeuk O.A., Naumov V.Yu., Pavlova E.S., Skvortsov M.G.
Volgograd, Volgograd State Technical University
REPRESENTATION OF ALGORITHMS IN MATRIX-PREDICATE FORM FOR
SOLVING THE PROBLEM OF SYNTHESIS OF INFORMATION-MEASURING
SYSTEMS

Section 2
INFORMATION TECHNOLOGIES IN SCIENCE AND INDUSTRY

April 26, 2018 at 10:00
(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

Chairman: Mescheryakov R.V.
Academic Secretary: Khalyutina O.S.

1. Druzhinina L.V.
Volgograd State Technical University
ANALYSIS OF ERRORS IN THE PROCESS OF USING NEURAL NETWORKS
TO NORMALIZE SIGNALS
2. Mucha Y.P., Sekachev V.A., Avdeuyk O.A.
Volgograd State Technical University
CURRENT PROBLEMS IN CASE OF CREATION OF ALGORITHMS OF
RECOGNITION OF BASIC ELECTRIC CIRCUITS
3. Zaporotskova I.V., Boroznina N.P., Boroznin S.V., Zaporotskov P.A.
Volgograd State University
ON THE POSSIBILITY OF CREATING SENSORS BASED ON SURFACE-
CARBOXYLATED BORON-CARBON NANOTUBES: COMPUTER
MODELING
4. Boroznin S.V., Zaporotskova I.V., Boroznina N.P., Zaporotskov P.A.
Volgograd State University
VACANCY TRANSPORT PROPERTIES IN BORON-CARBON BC3
NANOTUBES
5. Zaporotskova I.V., Elbakyan L.S.*
Volgograd state university
MODELING OF PROCESSES IN THE CREATION OF NEW POLYMER
COMPOSITES BASED ON TERNARY COPOLYMER OF
METHYLMETHACRYLATE, BUTYLMETHACRYLATE AND METHACRYLIC
ACID DOPED BY CARBON NANOTUBES
6. Emanakov I.V.
Moscow technological university (MIREA)
LEAN PRODUCTION – ASSESSMENT OF IMPLEMENTATION EFFECT
7. Godin A.S.
Research & Production Corporation «Lianozovo Electromechanical Plant»
THE USAGE OF IMPEDANCE-MATCHED MATERIAL FOR INCREASING
ANTENNA EMITTERS WAVELENGTH
8. Grodzenskiy S.Ya., Kirov A.V., Fursov S.A.
Moscow Technological University (MIREA)
CONFIGURATION MANAGEMENT AS A COMPONENT OF THE LIFE
CYCLE MANAGEMENT SYSTEM
9. Grodzenskiy Ya.S., Fursov S.A., Kirov A.V.
Moscow Technological University (MIREA)
QUALITY MANAGEMENT SYSTEM: HISTORY, PROBLEMS AND
PERSPECTIVE

10. Chesalin A.N., Grodzensky Ya.S., Kozyar T.I.
Moscow Technological University (MIREA)
STATISTICAL ANALYSIS OF TRAFFIC IN INTRUSION DETECTION SYSTEMS
11. Grigor'ev A.V., Bannov V.Ya., Zhumashev N.G.*, Chuvashlev K.A., Chibrikov A.A.
Penza state university, *Military institute of Forces of air defense of the Republic of Kazakhstan of T.Ya. Begeldinov
RESEARCH OF PROJECTION OF THE VECTOR OF VIBRATION MOVEMENT OF THE OBJECT PLANE
12. Grigor'ev A.V., Trusov V.A., Naumova I.Yu., Fomin M.V., Druzhinin N.Yu.
Penza state university
RESEARCH OF GEOMETRICAL PARAMETERS OF BLUR OF THE IMAGE OF THE ROUND TAG AT HER RECIPROCATING VIBRATION MOVEMENT
13. Ismagilov F.R., Vavilov V.Ye, Ayguzina, V.V. Khabirova, Ya.F.
Ufa State Aviation Technical University
DESIGN TECHNOLOGIES OF THE HIGH-SPEED ELECTRICAL MACHINES WITH THE STATOR CORE MADE OF AMORPHOUS MAGNETIC MATERIAL
14. Izmaylov A.A.
JSC RPC Lianozovo Electromechanical Plant, Moscow, 127411, Russian Federation
MINIATURIZED SATELLITE ANTENNA USING ARTIFICIAL MAGNETIC CONDUCTORS (AMC) OF VHF BAND
15. Khairetdinov M.S.^{1,2}, Voskoboinikova G.V.¹
¹Institute of Computational Mathematics and Mathematical Geophysics SB RAS,
²Novosibirsk State Technical University, Novosibirsk.
INFORMATION COMPUTATIONAL TECHNOLOGY IN PROBLEM OF GEOPHYSICAL MONITORING
16. Kirichenko A. A.
National Research University "Higher School of Economics"
NEURAL NETWORK PROGRAMMING IS A TOOL FOR CREATING ARTIFICIAL COGNITIVE SYSTEMS
17. Konov K.I.^{1,2}, Klimov K.N.¹, Drize A.D.¹
¹JSC "Scientific and Production Association" Lianozovo Electromechanical Plant",
²NRU "Higher School of Economics"
EXTRAORDINARY WAVE IN A MAGNETIZED PLASMA NUMERICAL SIMULATION FOR OBJECTS MOVING WITH HYPERSONIC VELOCITIES
18. Alexander I. Kruglov, Andrey S. Godin*, Konstantin N. Klimov*
CADFEM CIS, * JSC R&P LEMZ
NUMERICAL ELECTRODYNAMICS MODELING RCS ELECTRICAL DIPOLE WITH HUYGENS CUBE FEEDING USING IMPEDANCE MATCHED MATERIAL

19. Kuzyakov B.A.
Moscow Technological University (MIREA), Moscow
COMBINED OPTICAL SYSTEM OF INFORMATION TRANSFER WITH THE
USE OF THE ANGULAR ORBITAL MOMENTUM OF PHOTONS
20. Loskutov I.A.
Moscow technological university (MIREA)
«CAUSES FOR PROTRACTED PRODUCTION OF EQUIPMENT FOR
NUCLEAR POWER PLANTS»
21. Osipov A.L., Trushina V.P.
Novosibirsk State University of Economics and Management
COMPUTER SYSTEM FOR CONSTRUCTING THE FUNCTION OF
EFFICIENCY
22. Pshenichkin A.S.
Research & Production Corporation «Lianozovo Electromechanical Plant»
PRINCIPLES OF DESIGN OF SOLID-STATE TRANSMITTERS WITH
EFFECTIVE SUMMATION OF POWERS OF EACH AMPLIFIERS
23. Rychkov E. N., Pirogov Yu. A.*
Siberian Federal University, *Moscow State University
THE 5G COMMUNICATION SYSTEM ALGORITHMS MODELLING FOR THE
USAGE IN ROBOTICS AND INTERNET OF THINGS
24. Schneider A.D., Mikhryachev D.A., Filchikov R.S., Nadyrbekov G.Zh., Lysenko A.V.
Penza State University
NODE OF VOLTAGE AND INDICATION STABILIZATION FOR
ELECTRONICS ELECTRONICS UNIT EP20
25. Trushina V.P., Osipov A.L.
Novosibirsk State University of Economics and Management
INFORMATION TECHNOLOGY FORECASTING OF DANGER CLASSES ON
MOBILE DEVICES
26. Utkin B.V., Anishin M.N., Gazitov S.R.
TUSUR
THE MATHEMATICAL MODEL OF GENERALIZED ELECTRIC MACHINE
FOR STEPPER MOTOR
27. Voskoboynikova G.M., Khairtdinov M.S.
Institute of Computational Mathematics and Mathematical Geophysics Siberian
Branch of RAS
SIMULATION OF INTERACTION OF ACOUSTIC OSCILLATIONS WITH
FOREST
28. Zhadnov V.V.
National Research University “Higher School of Economics”
MODEL OF ELECTRONIC COMPONENTS FAILURES FOR USE IN
SIMULATION

29. Bulakh D.A., Lapin A.V., Pozdnyakov V.A.
National Research University of Electronic Technology, Moscow, Russia
ADOPTATION OF THE PETRI NETS ALGORITHM AS THE BASIS FOR
SIMULATION OF BEHAVIORAL DESCRIPTION OF DIGITAL CIRCUITS
30. Vasil'ev V.A., Surovtsev D.A., Smirnov I.I., Chernov P.S.
Penza, PSU
THE WORLD MARKET AND TECHNOLOGICAL VARIETY OF
VIBROACCELERATION SENSORS AND TRANSDUCERS
31. Zayarny V. P.*, Nefyodov E.I.**, Parpula S. A.*, Ponomarev I. N.***
*Volograd State Technical University, **V.A. Kotel'nikov Institute of Radio
Engineering and Electronics of RAS, Moscow, *** Volograd State University
FEATURES OF ELECTRODYNAMIC CHARACTERISTICS OF THE
SYMMETRIC SLOTS ON THE CONDUCTIVE HALF-PLANE IN THE
MICROWAVE REGION
32. Korotkova G.K., Astakhova E.S., Ivanov O.A.*
HSE, MIREA
THE STRUCTURE OF THE REMOTELY CONTROLLED BLOCK OF SOCKETS
33. Klyuchnikov A.V.
Snezhinsk, RFNC-VNIITF named after Academician E.I. Zababakhin
VERIFICATION OF DYNAMIC BALANCING STAND ACCURACY
34. Murashkina T.I., Istomina T.V. *, Slavkin I.E., Chukareva M.M., Badeeva E.A., Motin A.V.
FGBOU VO «Penza State University», *FGBOU VO «Penza State Technological University»
INTELLECTUAL MEASURING SYSTEM BASED OF FIBER OPTIC SENSORS
35. Korotkova G.K., Astakhova E.S., Ivanov I.A.
HSE
ANALYSIS OF REMOTE POWER MANAGEMENT SYSTEMS FOR SERVER
EQUIPMENT
36. Zhuravlev V.Ph., Perelyaev S.E., Alekhin A.V*.
A. Ishlinsky Institute for Problems in Mechanics, Russian Academy of Sciences,
Bauman State Technical University, Russia
WAVE SOLID-STATE GYROSCOPE - THE INERTIAL SENSOR OF NEW
GENERATION
37. Gorshkov P.S., Lyalyuk I.N., Vetoshkin V.M.
OOO «Eksperimental'naya masterskaya NaukaSoft»
THE PROBLEM OF INFORMATION OBJECTS SEMANTIC SIMILARITY
REVEALING BY MEANS OF THEIR ONTOLOGIES
38. Kharitonov I.A.
National Research University “Higher School of Economics” (Moscow Institute of
Electronics and Mathematics)

APPLICATION OF ELECTRO-THERMO-RAD MODELS FOR SPICE
SIMULATION OF DIGITAL CMOS CIRCUIT BEHAVIOR WITH ACCOUNT
FOR COMBINED THERMAL AND RADIATION EFFECTS

39. Zaporotskova I.V., Boroznina N.P., Boroznin S.V., Zaporotskov P.A.
Volgograd State University
COMPUTER MODELING OF THE HYDROGENATION PROCESS FOR
BORON CONTAINING NANOTUBE

Section 3

INFORMATION TECHNOLOGIES IN SOCIAL-ECONOMIC SPHERE

April 26, 2018 at 10:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

Chairman: Kravets A.G.

Scientific Secretary: Kuzina E.A.

1. Omarov Z.A.
Dagestan State University
MATHEMATICAL MODEL DEVELOPMENT OF A GESTATIONAL
COMPLICATIONS RISK IN MULTIPAROUS
2. Belinskaya M.A., Borimova A.A., Katueva Y.V.
Russian Academy of Sciences Library
INNOVATIVE TECHNOLOGIES FOR PRESERVATION OF UNIQUE
LIBRARY COLLECTIONS
3. Gadzhimetov A.A.
Dagestan State University
NEW TECHNOLOGIES FOR MANUFACTURING ARMS AND THEIR LEGAL
ESTIMATION
4. Gasanbekova Z.A., Aliev S.A.*, Meshcheryakova L.A.***, Gasanguseynova Zh.A.***
Dagestan Center for Thoracic Surgery, Department of Oncology, DSMU *, FSBI
"ROSC by N.N. Blokhin" Ministry of Health of the Russian Federation, Moscow**,
FSBEI HE "Dagestan State Medical University" (DSMU) ***
ERRORS IN DIAGNOSIS OF MALIGNANT TROPHOBLASTIC TUMORS
5. Isayeva Z.U., Gasanbekova Z.M, Shahsinova R.N*
OOO Medical Center "Your Doctor", Ministry of Health of Dagestan Republic*
OPTIMIZATION OF DIAGNOSIS AND TREATMENT OF CERVIX
PRECANCEROUS CONDITIONS
6. Karev V.A., Kravets A.G.
Volgograd State Technical University
INVESTIGATION OF ATTACKS METHODS ON INFORMATION SYSTEMS

7. Shikhnabieva E.D.
FGBOU HE "Dagestan State Medical University" MH RF, Makhachkala
ESTIMATION OF CLINICAL EFFICIENCY OF COMPLEX THERAPY OF
CHRONIC GENERALIZED PERIODONTITIS WITH USING OZONIZED
THROMBOCYTE AUTOPLAZM
8. Mirkina O.N.
Federal state budgetary educational institution of higher professional education
«Smolensk state University»
INNOVATIVE APPROACHES TO THE FORMATION OF DISTRIBUTION
POLICY AT MACHINE-BUILDING ENTERPRISES
9. Nurmagomedova S.S., Omarova P.M., Omarov N.S.-M, Alieva A.Z.
Dagestan State Medical University
PECULIARITIES OF DIAGNOSTICS AND TREATMENT OF THE OVARIAN
POLYCYSTIC SYNDROME IN ADOLESCENTS
10. Medzhidova D. R., Omarov N. S.-M., Shifman E. M.*.
FGBOU IN Dagestan state medical University of the Ministry of health of Russia,
*Department GBUZ MO MONIKI Department of anesthesiology and intensive care,
*FGBOU IN Dagestan state medical University of the Ministry of health of Russia
MAINTAINING PERIOPERATIVE PERIOD IN CESAREAN SECTION IN
MODERN OBSTETRICS
11. Reykhert N.V.
FGBEI Smolensk State University
INTRODUCTION OF INNOVATIONS IN THE BANKING SECTOR
12. Suleimanova N.D, Kharkhachaeva S.M.*
FSBEI HE "Dagestan State Medical University" under Ministry of Public Health of
the Russian Federation, *SBI "Republican Center for Family Health Protection and
Reproduction" under Ministry of Public Health of the Republic of Dagestan
EFFICIENCY OF TARGET TREATMENT WITH PROMYSAN PREPARATION
IN WOMEN WITH I DEGREE CERVICAL INTRAEPITELIAL NEOPLASIA
13. Tarasova I.A., Simonov A.B., Sivolobova M.D., Avdeyuk O.A.
Volgograd State Technical University
MATHEMATICAL JUSTIFICATION OF INVESTING MONEY IN DIFFERENT
GROUPS OF GOODS IN CONDITIONS OF GROWING INFLATION
14. Luzgin S.N.
Pushkov Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave
Propagation, Moscow, Russia
WIKISTORY – A PEOPLE'S HISTORY
15. Ilyasov B.G., Makarova E.A., Martynov V.V., Zakieva E.Sh., Gabdullina E.R.
Ufa State Aviation Technical University
INTELLECTUAL ANALYSIS OF REGIONAL DATA IN THE SPHERE OF
EDUCATION, LABOR, INNOVATION: THE APPLICATION OF THE
PRINCIPAL COMPONENTS METHOD

16. Tikhomirov N.P.
Plekhanov Russian University of Economics, Moscow
DEVELOPING STRATEGIES FOR OVERCOMING DEPOPULATION IN
RUSSIA
17. Tikhomirova T.M.
Plekhanov Russian University of Economics, Moscow
STATISTICAL METHODS OF PREMATURE MORTALITY ESTIMATION IN
RUSSIA
18. Magomedova M. R.
Daghestan State University
INFORMATION TECHNOLOGIES AS A MEANS OF INVOLVING YOUTH
INTO TRAINING FOR THE PURPOSE OF CARRING OUT TERRORIST
ACTIVITIES
19. Akamova R. I.
Daghestan State University
PECULIARITIES OF EXECUTION OF PUNISHMENT IN RELATION TO
WOMEN CONVICTED OF COMMITTING CRIMES OF A TERRORIST AND
EXTREMIST NATURE USING INFORMATION TECHNOLOGY
20. Zijadova D.Z.
Daghestan State University
INFORMATION AND PROPAGANDA SUPPORT OF THE SYSTEM OF
CRIME COUNTERACTION OF TERRORIST AND EXTREMIST
ORIENTATION IN THE REPUBLICS OF THE NORTH CAUCASUS
21. Alirzaev Z.K.
LEGAL ENSURING INFORMATION SECURITY OF THE RUSSIAN
FEDERATION
22. Ismailova P. U.
Chamber of advocates Dagestan Republic
PROBLEMS OF THE ECOLOGICAL CRIMES LATENCY IN DAGESTAN
23. Ismailova P.U.
Chamber of advocates Dagestan Republic
ANALYSIS OF THE ENVIRONMENTAL LEGISLATION STATE IN THE
DAGESTAN REPUBLIC
24. Vinogradov S.N., Uvaysova K.U., Shklovsky B.L., Vorobyov E.G., Lazarev A.B.,
Prohorchik A.A. Baksheev V.I.
FSBI “3 CMCH them. A.A. Vishnevskogo” Russian Defence Ministry; SBEPH
“CCH named after M.E. Zhadkevich DHM”
THE PROBLEM OF DEFINING, CLASSIFYING AND CODING THE CONCEPT
OF "MULTIFOCAL ATHEROSCLEROSIS" FOR OPERATING AUTOMATED
INFORMATION SYSTEM OF A POLYCLINIC

25. Ramazanova L., * Makkaeva S.
Astrakhan State Medical University, Ophthalmological department "Medical and sanitary unit" Gazprom-Astrakhan, * Medical stomatological institute
EXAMINATION OF THE FUNCTIONAL STATEMENT OF THE VISUAL ANALYZER IN PATIENTS WITH CHRONIC VERTEBRAL-BASILAR INSUFFICIENCY
26. Tikhonov G. V., Solodova A.D.
Moscow, MAI
FEATURES OF DEVELOPMENT OF MACHINE-BUILDING COMPLEX IN THE ECONOMY OF THE RUSSIAN FEDERATION

Section 4

ECONOMY OF INFORMATION SYSTEMS AND DIGITALIZATION

April 26, 2018 at 10:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

***Chairman: Skripkin K.G.
Scientific Secretary: Lishov S.M.***

1. Latypova O.Yu.
OJSC “Surgutneftegas”
DEVELOPING ENTERPRISE INFORMATION SYSTEM USING THE CYNEFIN FRAMEWORK
2. Laptun L.A.
OJSC “Surgutneftegas”
DIGITAL ENTERPRISE
3. Razumnaya O.A.
OJSC “Surgutneftegas”
ONTOLOGY DRIVING DEVELOPMENT OF DIGITAL ANALYTIC PLATFORM
4. Sidorova E.Yu.
NUST MISIS
CREATION OF CONDITIONS AND BACKGROUNDS NECESSARY FOR THE PRODUCTION OF SCIENCE-INTENSIVE PRODUCTS IN APPLIED SCIENTIFIC INSTITUTIONS
5. Sotnikov A. N., Cherednichenko I.N.
Joint Supercomputer Center of the Russian Academy of Sciences - Branch of Federal State Institution «Scientific Research Institute for System Analysis of the Russian Academy of Sciences»
THE APPLICATION OF AUTO-ADAPTIVE FONTS THEORY FOR MODELING THE DEFECTS OF TEXT SCANS.

6. Lugachov M.I., Skripkin K.G.
Moscow State University, Economic Faculty, National Research University – Higher School of Economics, Faculty of Business and Management, School of Business Informatics
UNDERSTANDING INFORMATION REVOLUTION
7. Eliseeva E.
National University of Science and Technology “MISiS”, Russia
DIGITALIZATION OF RUSSIAN COMPANIES ACCOUNTING
MANAGEMENT
8. Shmeleva N.V.
National University of Science and Technology “MISIS” (NUST “MISIS)
DIGITAL ECONOMY: CONCEPTS, TRENDS AND VISIONS
9. Efashkin I.G.
NUST MISIS, Institute of Economics and Management of Industrial Enterprises,
(Moscow, Russia)
CLASSIFICATION AND COST-EFFECTIVENESS OF EDUCATIONAL
QUALITY ASSESTMENT SYSTEMS.
10. Fedorova N.O., Khaet I.L.*
Russian University of Transport (RUT - MIIT), *ZAO "i-Teco"
BLOCKCHAIN AS A KEY TECHNOLOGY FOR TRUSTED ENVIRONMENT
11. Terekhova A.Yu.
NUST MISIS
DIGITAL TECHNOLOGIES USAGE FOR COSTS REDUCE IN THE ADDITIVE
MANUFACTURING OF METAL PRODUCTS FOR AIRCRAFT
MANUFACTURING
12. Alekseeva E.V.
NUST MISIS
PROSPECTS AND PROBLEMS OF DIGITAL MANUFACTURING IN THE
CONDITIONS OF MECHANICAL ENGINEERING ENTERPRISES
13. Vondracek Stanislav
MECAS ESI s.r.o.
ESI’S SUPPORT FOR THE INDUSTRY 4.0 TRANSFORMATION

ROUND TABLES

April 25, 2018 at 16:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

Master: Isayeva Z.U.

THE PATIENT ROLE IN THE MODERN HEALTH CARE SYSTEM

MASTER-CLASS

April 26, 2018 at 16:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

Speaker: Vasil'ev V.A.

**PREPARATION AND WRITING THE SCIENTIFIC ARTICLE WITH THE
REQUIREMENTS OF HIGH-CRITICAL EDITIONS**

SUMMING UP, MAKING OF DECISIONS, CLOSING CEREMONY.

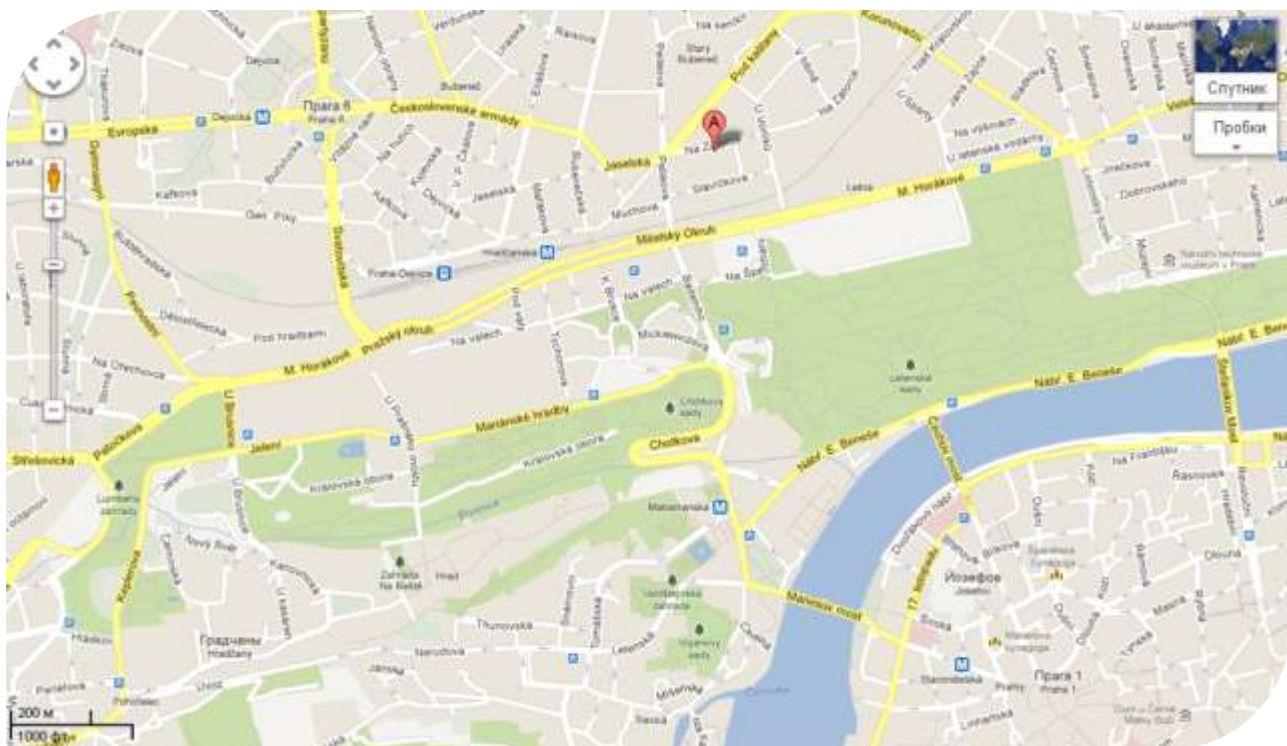
April 27, 2018 at 10:00

(Russian Centre of Science and Culture in Prague, ul. Na Zátorce 16)

LOCATION

Russian Science and Culture Centre in Prague

Address: Na Zátorce str., 16.



CONTACTS

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E-mail: i2t@diag.ru*

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

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