

SCIENTIFIC PROGRAMM

**International
Conference on Recent
Advances in
Engineering,
Technology and Applied
Sciences**

USA, Detroit

November 23, 2017

International Conference on Recent Advances in Engineering, Technology and Applied Sciences, USA, Detroit

Editor-in-chief
Natalya Krasnova
Scientific Community-based
organization "Professional Science"
Nizhny Novgorod, Beketova 53

Co- editor-in-chief
Yuliya Kanaeva
Scientific Community-based
organization "Professional Science"
Nizhny Novgorod, Beketova 53

Publishing
Smashwords. Inc.
USA, Los Gatos (CA) 15951
Gatos Blvd., Suite 16 Los Gatos,
CA
95032

EDITORIAL BOARD

Krasnova Natalya	PhD, Editor-in-chief	Scientific Community-based organization "Professional Science"
Petkova Yekaterina —	Ph.D (Medicine), Associate Professor, Teacher	Medical University Plovdiv (Bulgaria)
Isintaev Takabay Isintayuly	Candidate of Technical Sciences, Associate Professor, Associate Professor of "Machine Building"	Kostanay State University named after A. Baytursynov, Kostanay (Kazakhstan)
Muhammadeeva Raila Minibulatovna	candidate of technical sciences, associate professor, associate professor	Kokshetau University Abai Myrzahmetov, Kokshetau (Kazakhstan)
Papanov Stoyan Iliev	Ph.D (Pharmacy), chief assistant, teacher	Medical University Plovdiv (Bulgaria)
Ibraeva Lyazat Kataevna	Doctor of medical sciences, associate professor	National Center for Hygiene of Work and Occupational Diseases, Karaganda (Kazakhstan)

Editorial Office: Professional Science Nizhny Novgorod, Beketova 53, mail@scipro.ru

Publishing Office: Smashwords. Inc. USA, Los Gatos (CA) 15951 Gatos Blvd., Suite 16 Los Gatos, CA 95032

Scientific Program

13:00 - 13:30	Registrations
13:30 - 14:30	Opening Ceremony Introduction
14:30 - 19:00	General Conference Schedule

CONFERENCE PARTICIPANTS

<p>Korobova Olga A. Maksimenko Lyubov A. Grigoryev Dmitry O.</p>	<p>1. doctor of technical sciences, professor of the department of IHOF 2. Candidate of Technical Sciences, Associate Professor of the Department of Geomatics and Real Estate Infrastructure SGUGiT 3. student of 3-rd year</p>	<p>Novosibirsk State University of Architecture and Civil Engineering</p>
<p>Krisjanis Maya Voldemarovna, Scientific supervisor: Alekseev Aleksandr Evgenyevich</p>	<p>1. senior lecturer of Department of electric power engineering and electrical engineering. 2. Professor, doctor of technical Sciences.</p>	<p>Northern (Arctic) Federal University named after M. V. Lomonosov, Arkhangelsk city.</p>
<p>Sazykin V. G. Kudryakov A. G. Gerasimov N. I.</p>	<p>1. ScD in Engineering, Professor, department of use of electric energy 2. PhD in Engineering, Associate Professor, department of use of electric energy 3. Graduate student, department of use of electric energy</p>	<p>Kuban State Agrarian University</p>
<p>Pudovkin Anatoly P., Danilov Stanislav N., Ivanov Aleksandr V., Panasyuk Yuri N.</p>	<p>1. Ph. D., Professor, FGBOU VO "TSTU" 2. Ph. D., Professor, FGBOU VO "TSTU" 3. Ph. D., Professor, FGBOU VO "TSTU" 4. Ph. D., associate Professor, FGBOU VO "TSTU"</p>	<p>FGBOU VO "TSTU"</p>
<p>Yumanov Alexey Alexandrovich</p>		<p>Voronezh state technical University, Voronezh</p>
<p>Kolyada Ekaterina Michailovna</p>	<p>Doctor in art studies, associate professor</p>	<p>The Saint-Petersburg Mining University, Saint-Petersburg, Russia</p>
<p>Eliseev A.V. Kopylov Yu.R. Eliseev S.V.</p>	<p>1. Senior Researcher, Ph.D. of Engineering Science 2. Doctor of Technical Sciences, Professor 3. Doctor of Technical Sciences, Professor</p>	<p>Irkutsk State Transport University, Irkutsk, Russia Voronezh State Technical University, Voronezh, Russia</p>
<p>Orlenko A.I. Kinash N.Zh. Vuong Q.T.</p>		<p>Krasnoyarsk Institute of Railway Transport, Krasnoyarsk, Russia Moscow Engineering Center of the Moscow Railway</p>

		- branch of OAO Russian Railways, Moscow, Russia Irkutsk State Transport University, Irkutsk, Russia
Trofimets Valeriy	Dr. of Eng. Sc., Prof, Department of Information Systems and Computing	Saint-Petersburg Mining University
Rezepkin Alexander Kulikov Dmitry Kulikov Yuri Ufimova Alia	1. Master student of the department of information systems 2. Master student of the department of information systems 3. Master student of the department of information systems 4. Student of the department of chemistry	Saint-Petersburg State Electrotechnical University «LETI» Orenburg State University
Danilenko Irina. Frizen Daniil Korneeva Olga Batrakova Yuliya Morozova Yekaterina Svirina Ksenia Gerasimova Alexandra Goryacheva Ksenia Marinin Alexander Karapetyan A. K		Volgograd State Agrarian University
Nikitina Zoya Kimovna, Gordonova Irina Konstantinovna	1. Ph. D. (Biol), Leading Research Scientist, 2. Dr. Sc. (Biol), Professor	All-Russian Scientific Institute of Medicinal and Aromatic Plants, Moscow, Russia
Orobets V.A. Sevostyanova O.I Kastarnova E.S.	1. Student 2. PhD in Biological sciences 3. PhD in Veterinary sciences	The Stavropol State Agrarian University
Kalmykov Nikolay Arinushkina Natalya Markelov Anton Neverov Alexander Ruchkin Alexey Guzhov Andrey		branch of the Russian Presidential Academy of National Economy and Public Administration
Khanova Tatyana Gennadievna Soboleva Julia Andreevna Platova Albina Gennadievna,	1. Senior Teacher, 2. Head, 3. Student 4. Candidate of Pedagogical Sciences, Associate Professor of the	Minin Nizhny Novgorod State Pedagogical University MBDOU "Kindergarten No. 319"

Odintsova Elena Vyacheslavovna	Department of Psychology and Pedagogy of Preschool and Primary Education,	
Semenkova Elena Aleksandrovna		State Educational Institution "Auxiliary School No. 24 in the City of Orsha"
Kalashnikova N.A., Mironova D.A., Vovsi - Tillye L.A.	1. Senior Lecturer, Department of Foreign Languages №1, 2. PhD, Associate Professor, Department of Foreign Languages №1 3. PhD, Associate Prof., Department of Foreign Languages №1	Plekhanov Russian University of Economics
Ivantsova Maria Nikolaevna Selezneva Irina Stanislavovna Bezmaternykh Maxim Alekseevich Baldin Victor Yurievich		Ural Federal University named after the first President of Russia B. N. Yeltsin
Hlyustov Vitaliy Konstantinovich, Yelekesheva Mira Manarovna	1. doctor of agricultural sciences, professor of the «Forestry and melioration landscapes» department 2. postgraduate student of the «Forestry and melioration landscapes» department	Russian State Agrarian University – Moscow Agricultural Academy named after K.A. Timiryazev
Zakharova Olga Vladimirovna Scientific adviser Rakov V.I.		Orel State University named after I.S. Turgenev
Akulova Inna Ivanovna Schukina Tatyana Vasilyevna		Voronezh state technical university, Voronezh
Zolotukhina Ia.A. Prokshits E.E. Sotnikova O.A.	1. Assistant of the Department of Design of Buildings and Structures named after N.V. Troitsky, Voronezh 2. Assistant of the Department of Design of Buildings and Structures named after N.V. Troitsky, Voronezh 3. D. Sc. in Engineering,	State Technical University, Voronezh, Russia

	Prof. of the Department of Design of Buildings and Structures named after N.V. Troitsky	
Tulskaya Svetlana Gennadyevna	candidate of technical Sciences, associate Professor of Department of heat and gas supply and oil and gas business	Voronezh State Technical University, Voronezh
Konstantinov Alen Vladimirovich Scientific adviser Shpenst V.A.	1. Post-graduate student of the Department of Electronic Systems 2. Doctor of technical sciences, professor	Saint-Petersburg Mining University
Volodina Olga V.	PhD in Pedagogy, Associate Professor	Petrozavodsk State University
Bashkirov Alexey, Astahov Nikolai, Babilkin Igor, Muratov Alexander, Horoshailova Marina		Voronezh state technical University (VGTU)
Bashkirov Alexey	Candidate of technical Sciences, docent of the Department "Design and manufacture of radio"	Voronezh state technical University (VGTU)
Mizanbekov I.T, Nurmanbekova G.K.	1. undergraduate 2. c.e.s., a. professor	Kazakh national agrarian university
Amelkin Vladimir Vladimirovich	Graduate student, Computer Science and Information Technologies Department	Kaluga State University named after K.E. Tsiolkovskiy
Deryugina A.V., Ivashchenko M.N., Ignatyev P.S., Samodelkin A.G., Skvortsova G.A., Side K. R.		Nizhny Novgorod state University. N. And. Lobachevsky Nizhny Novgorod state agricultural Academy Ural optical-mechanical plant. After E. S. Yalamov
Kuznetsov Alexander Konstantinovich, Myskova Olga Vladimirovna		Russian State University named after A.N. Kosygin (Technology, Design, Art)

International Conference on Recent Advances in Engineering, Technology and Applied Sciences, USA, Detroit

November 23, 2017

SECTION 1. CIVIL ENGINEERING

1. Korobova O. A., Maksimenko L. A., Grigoriev D. O. On the calculation of the soil bases, taking into account their deformation anisotropy

SECTION 2. ELECTRICAL ENGINEERING

1. Krisjanis M.V., Alekseev A.E. Evaluation of the thermal state of a linear induction motor operating as a positioner in the edging machine
2. Sazykin V. G., Kudryakov A. G., Gerasimov N. I. Improving the registration systems of emergency operation in distribution networks with voltage of 6-10 kV

SECTION 3. ELECTRONICS ENGINEERING

1. Pudovkin, A.P., Danilov S.N., Ivanov A.V., Panasyuk Yu.N. Estimation of location coordinates in the system of vehicle control to ensure traffic safety

SECTION 4. ENVIRONMENTAL ENGINEERING

1. Yumanov A.A. Comparative analysis of aerotank aeration systems

SECTION 5. MATERIAL ENGINEERING

1. Kolyada E.M. Prospects for the use of recycled glass in contemporary landscape design

SECTION 6. MECHANICAL ENGINEERING

1. Eliseev A.V., Kopylov Yu.R., Eliseev S.V. Possibilities of dynamic correction of structure of vibration fields of working elements of technological machines

2. Orlenko A.I., Kinash N.Zh., Vuong Q.T. Introduction of additional couplings for changing the dynamic status of the vibration system

SECTION 7. RESOURCE ENGINEERING

1. Trofimets V. The tasks of multi-criteria choice in the management of industrial safety of oil and gas facilities

SECTION 8. SIMULATION AND MODELING

1. Rezepkin A.V., Kulikov D.V., Kulikov Y.O., Ufimova A.K. Computer modeling by ab initio methods of the formation of different ligand amino acids complexes with zinc and cobalt

SECTION 9. BIOTECHNOLOGY

1. Danilenko I., Batrakova Y., Frizen D., Korneeva O., Morozova E., Svirina K., Gerasimova A., Goryacheva K., Marinin A. Development and use of premixes and BVMK in poultry farming.
2. Nikitina Z.K., Gordonova I.K. Exogenous regulation of biosynthetic activity of *Penicillium citrinum* – keratinases producer
3. Orobets V.A., Sevostyanova O.I., Kastarnova E.S. Obtaining of ecologically safe poultry products based on the use of adaptogenic complexes.

SECTION 10. EDUCATIONAL TECHNOLOGY

1. Kalmykov N., Arinushkina N., Markelov A., Neverov A., Ruchkin A., Guzhov A. About the results of the implantation of the FTP «Research and development on the priority directions of development of the scientific and technological complex of Russia for 2007-2013» and «Scientific and scientific and pedagogical personnel of innovative Russia for 2009-2013»: archive of 2014
2. Khanova T.G., Soboleva Yu.A., Platova A.G., Odintsova E.V. Use of the project method in environmental education of preschool children
3. Semenkova E. Pedagogical competence as a backbone in professional activity
4. Vovsi - Tillye L.A., Kalashnikova N.A., Mironova D.A. Professionally oriented lexical units for the students of the non-linguistic university

SECTION 11. ENERGY TECHNOLOGY

1. Ivantsova M.N., Selezneva I.S., Bezmaternykh M.A., Baldin V.Y. Energy saving at the dairy industry enterprises

SECTION 12. GREEN TECHNOLOGY

1. Hlyustov V.K., Yelekesheva M.M. Growth simulation of the dendrometric parameters of mixed white poplar in the floodplains of river Ural

SECTION 13. INFORMATION TECHNOLOGY

1. Zakharova O.V. About algorithmic basis of digital regulation

SECTION 14. RENEWABLE ENERGY

1. Schukina T.V., Akulova I.I. To a question of expediency of use solar energy in the territory of the Russian Federation

SECTION 15. SUSTAINABLE TECHNOLOGY

1. Zolotukhina I.A., Prokshits E.E., Sotnikova O.A. Social events in designing energy-efficient quarter with the requirements of sustainable development of territories in Voronezh region

SECTION 16. CURRENT ISSUES AND CHALLENGES IN TECHNOLOGY

1. Tulskeya S.G. Development and validation of the application of effective schemes of air exchange for premises for production purposes

SECTION 17. ARTIFICIAL INTELLIGENCE

1. Konstantinov A.V. Technology artificial intelligence control of mobile robots
2. Volodina O.V. Prospects and threats of artificial intelligence

SECTION 18. DIGITAL COMMUNICATION

1. Astakhov N.V., Bashkirov A.V, Bobylkin I.S., Muratov A.V., Khoroshaylova M.V. Analysis of various models of ldpc decoder using fpga
2. Bashkirov A.V. Model of the nonbinary LDPC decoder of low complexity based on the extended algorithm Min-Sum

SECTION 19. INTELLIGENT TRANSPORTATION SYSTEMS

1. Mizanbekov I.T, Nurmanbekova G.K. Directions of state-private partnership in transport transportation

SECTION 20. INTERNET AND WEB APPLICATIONS

1. Amelkin V. Bootstrap framework integration into lancetcms

SECTION 21. CURRENT ISSUES AND CHALLENGES IN APPLIED SCIENCE

1. Deryugina A.V., Ivashchenko M.N., Ignatyev P.S., Samodelkin A.G., Skvortsova G.A., Side K. R. The effect of low-intensity laser radiation on the surface architectonics of erythrocytes in norm and under stress

SECTION 22. INDUSTRIAL DESIGN

1. Kuznetsov A.K., Myskova O.V. Modern coating materials and design of sun awning objects.

