

**VI Международная научно–  
практическая конференция**

**«МЕНЕДЖМЕНТ КАЧЕСТВА,  
ТРАНСПОРТНАЯ И ИНФОРМАЦИОННАЯ  
БЕЗОПАСНОСТЬ, ИНФОРМАЦИОННЫЕ  
ТЕХНОЛОГИИ»**

**International Scientific  
and Practical Conference**

**«QUALITY MANAGEMENT,  
TRANSPORT AND INFORMATION SECURITY,  
INFORMATION TECHNOLOGIES»**

**ПРОГРАММА**

**IT&QM&IS – 2021**

МИНИСТЕРСТВО ТРАНСПОРТА РОССИЙСКОЙ ФЕДЕРАЦИИ

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ

ИКТИ РАН



РОССИЙСКИЙ УНИВЕРСИТЕТ  
ТРАНСПОРТА (МИИТ)



СПбГЭТУ «ЛЭТИ»  
ПЕРВЫЙ ЭЛЕКТРОТЕХНИЧЕСКИЙ



**ПРОГРАММА  
VI МЕЖДУНАРОДНОЙ НАУЧНО-  
ПРАКТИЧЕСКОЙ КОНФЕРЕНЦИИ**

**«МЕНЕДЖМЕНТ КАЧЕСТВА, ТРАНСПОРТНАЯ  
И ИНФОРМАЦИОННАЯ БЕЗОПАСНОСТЬ,  
ИНФОРМАЦИОННЫЕ  
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**International Scientific  
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**«QUALITY MANAGEMENT,  
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**6 - 10 сентября 2021 г.**

*Государственная академия промышленного  
менеджмента им. Н.П. Пастухова*

**ПРОГРАММА**  
**VI МЕЖДУНАРОДНОЙ НАУЧНО-ПРАКТИЧЕСКОЙ КОНФЕРЕНЦИИ**  
**«МЕНЕДЖМЕНТ КАЧЕСТВА, ТРАНСПОРТНАЯ И ИНФОРМАЦИОННАЯ**  
**БЕЗОПАСНОСТЬ, ИНФОРМАЦИОННЫЕ ТЕХНОЛОГИИ»**  
**IT&QM&IS – 2021**

**Место проведения:** Государственной академии промышленного менеджмента им. Н.П. Пастухова  
г. Ярославль, ул. Республиканская, 42/24

**5 СЕНТЯБРЯ – ВОСКРЕСЕНЬЕ / SEPTEMBER 5 – SUNDAY**

Заезд участников конференции.

**6 СЕНТЯБРЯ – ПОНЕДЕЛЬНИК / SEPTEMBER 6 – MONDAY**

**9:00 – 10:00 – Регистрация участников.**

Место проведения – 2-ой этаж

**10:00** – Открытие Международной научно-практической конференции «Менеджмент качества, транспортная и информационная безопасность, информационные технологии» (IT&QM&IS–2021) и Школы молодых ученых, аспирантов, магистрантов и студентов «Качество. Инновации. Образование».

**Модератор / moderator** *Аниськина Нина Николаевна*

**Время / Time** 10:00 – 13:30

**Ауд./Aud.** 214 (конференц-зал)

Приветственное слово **Аниськиной Нины Николаевны** – ректора Государственной академии промышленного менеджмента им. Н.П. Пастухова (Академия Пастухова), г. Ярославль.

Выступление **Азарова Владимира Николаевича** – директора «Европейского центра по качеству», главного редактора журнала «Качество. Инновации. Образование», г. Москва.

Выступление **Шапошников Сергея Олеговича** – представителя Российской Северо-западной секции IEEE, г. Санкт-Петербург.

**ПЛЕНАРНОЕ ЗАСЕДАНИЕ / PLENARY SESSION**

- **Докладчик - профессор, д.т.н. Васильев Виктор Андреевич**  
*Кадровый потенциал менеджмента качества на основе цифровых технологий*  
(Васильев В.А., Александрова С.В.)
- **Докладчик - профессор, д.т.н. Азаров Владимир Николаевич**  
*Цифровая трансформация экономики в период пандемии и пост пандемии*  
(Азаров В.Н., Леохин Ю.Л., Чекмарёв А.В.)

**11:30 – 11:50 – Кофе-брейк**

- **Докладчик – профессор, д.т.н. Шептунов Сергей Александрович**  
*Цифровые трансформации технологий (на примере хирургии)*  
(Шептунов С.А.)
- **Докладчик - профессор, д.т.н. Саксонов Евгений Александрович**  
*Информационная и функциональная безопасность распределенных систем обработки информации*  
(Саксонов Е., Леохин Ю.Л., Азаров В.Н.)
- **Докладчик – профессор, д.э.н. Кузьмина Светлана Николаевна**  
*Обеспечение устойчивости развития сообществ: практика применения инструментов менеджмента качества*  
(Кузьмина С.Н.)

13:00 – 14:30 – Обед

14:30 – 16:00 – Секционные доклады

16:15 – 18:30 – Секционные доклады

18:30 – Фуршет для участников конференции

**7 СЕНТЯБРЯ – ВТОРНИК / SEPTEMBER 7 – TUESDAY**

10:00 – 11:30 – Секционные доклады  
11:30 – 11:45 – Кофе-брейк  
11:45 – 13:30 – Секционные доклады  
13:30 – 14:30 – Обед  
14:30 – 18:00 – Секционные доклады

**8 СЕНТЯБРЯ – СРЕДА / SEPTEMBER 8 – WEDNESDAY**

11:00 – 16:00 - Экскурсия

**9 СЕНТЯБРЯ – ЧЕТВЕРГ / SEPTEMBER 9 – THURSDAY**

10:00 – 11:30 – Секционные доклады  
11:30 – 11:45 – Кофе-брейк  
11:45 – 13:30 – Секционные доклады  
13:30 – 14:30 – Обед  
14:30 – 18:00 – Секционные доклады  
**15:00 – 18:00 – Работа Школы молодых ученых, аспирантов, магистров и студентов  
«Качество. Инновации. Образование»**

**10 СЕНТЯБРЯ – ПЯТНИЦА / SEPTEMBER 10 – FRIDAY**

10:00 – 12:15 – Секционные доклады  
12:30 – Круглый стол. Принятие решений. Закрытие конференции.

**11 СЕНТЯБРЯ – СУББОТА / SEPTEMBER 11 – SATURDAY**

Отъезд участников конференции

**Ссылка для онлайн подключения участников конференции**

<https://us02web.zoom.us/j/89886713427?pwd=MzRldFFJMnQ3d3RPeFlyUGpjOVdSQ09>

Meeting ID: 898 8671 3427

Passcode: 214214

## СОДЕРЖАНИЕ/ CONTENT

### Секция 1 / Section 1

#### **Интегрированные системы менеджмента цифрового технологического предприятия. / Integrated Management Systems for Digital Technology Enterprises**

**Модераторы / moderators** *Васильев Виктор Андреевич,  
Одинокое Сергей Анатольевич*

**Дата / Data** 06.09.2021

**Ауд./Aud. 214**

**Время / Time** 14:30 – 16:00

1. Methods of Digital Transformation of Management Systems  
*Aleksandrova Svetlana V., Vasiliev Victor A., Aleksandrov Mark N.*
2. Application of Neural Networks in Production Control Tasks  
*Chernoded Andrei I., Vasiliev Victor A., Tsytkov Alexander V.*
3. The Safety of Technological Solutions in the Digital Transformation of the Transportation Complex  
*Drozhdov Nikita A., Kuzina Elena L., Vasilenko Marina A., Tagiltseva Julia A., Nadolinsky Pavel V.,  
Poltorak Alexander V.*
4. Risk Simulation Based on Variational Bayesian Neural Network in Integrated Management Systems  
*Dyakonova Elena V., Odinokov Sergei A.*
5. The Use of Information Technology in the Strategic Management and Planning of a Digital  
Technology Enterprise  
*Dzhamaldinova Marina D., Privalov Victor I., Menshikova Margarita A.*
6. Integrated Management Systems for Digital Technology Enterprises  
*Dzhamaldinova Marina D., Kurdyukova Natalia O., Kunanbayeva Kymbat B.*
7. Life Cycle of Products and Services in Digital Technology Enterprises  
*Fattakhov Khamit I., Silenov Maksim A., Brusakova Irina A.*

**Время / Time** 16:15 – 18:30

8. Integration of Modern Technologies into the Quality Management System  
of the Town-forming Organization  
*Kunanbayeva Kymbat B., Kurdyukova Natalia O., Dzhamaldinova Marina D.*
9. Decision-making Based on Evidence in the Quality Management of Innovation Processes  
*Odinokov Sergei A., Vasiliev Victor A.*
10. Integration of Knowledge Management Systems and Product Data in a Single Information Space  
of a High-Tech Enterprise  
*Porsev Kirill I., Ivanova Valeria A., Abramov Pavel I., Aniskina Nina N.*
11. Improvement of the Decision Support Method for Control Systems of Technological Equipment  
*Rybakov Anatoly V., Diachenko Evgeni P., Shurpo Aleksandr N., Sabanchiev Aslan M.,  
Averchenkov Andrey V., Artemov Igor I.*
12. Smart Solving the Problem of Optimal Allocation of Project Resources  
*Starodubtsev Igor Yu., Desyatnikov Felix A., Khripunov Yu V.*
13. Efficient Quality and Environmental Management of a Digital Transport Company  
*Vasilenko Marina A., Kuzina Elena L., Drozdov Nikita A., Tagiltseva Julia A., Prokopova Anastasia M.,  
Semibratova Svetlana V.*
14. Digital Technologies as a Factor of Transport Service Quality  
*Vasilenko Marina A., Kuzina Elena L., Drozdov Nikita A., Tagiltseva Julia A., Kuzina Marina A.,  
Rakhaev Vladislav A.*
15. Подходы к оценке системы менеджмента качества со стороны высшего руководства с позиции  
адаптивности и устойчивости  
*Антипов Д. В., Губанова О. Г.*

16. Опыт реализации обучающих программ в сфере управления качеством на предприятии  
*Митрофанова И. П., Багин В. А., Ризак Д. А., Родионова С. Н.*
17. Интегрированная модель системы управления организацией на основе технологий менеджмента качества и бережливого производства  
*Силаева В. В., Семенов В. П.*

## **Секция 2 / Section 2**

### **Технологическая, техногенная, информационно-коммуникационная и транспортная безопасность / Technological, Information, Communication, and Transport Security**

**Модераторы / moderators** *Нарусова Елена Юрьевна,  
Рогов Анатолий Алексеевич*

**Дата / Data** **06.09.2021**

**Ауд./Aud. 208**

**Время / Time** **14:30 – 16:00**

1. The Concept of a Distributed System for Vibration and Deformation Monitoring of the Railway Track Infrastructure and its Adjacent Objects  
*Bolshakova Alexandra V., Boronakhin Alexandr M., Larionov Daniil Yu., Tkachenko Anna N., Shalymov Roman V.*
2. Technological Safety of a Passenger Car. Ensuring Reliable Maintenance of the Main Components and Elements of a Passenger Car During Its Operation Cycle  
*Evseev Dmitriy G., Kulikov Mikhail Yu., Shinkaruk Andrey S.*
3. Ensuring Safety of Production Processes of Maintaining Forest-park Territories in a Megalopolis  
*Kublitskii Anton O., Rogov Anatoly A.*
4. Use of Absolute Randomness System to Ensure Information Security  
*Kulagin Vladimir P., Titov Andrey P., Bunina Lyudmila V., Bykovsky Sergey S., Alexandrov Alexander E., Savelyev Oleg A.*
5. Developing Architecture of Electronic Means of Ensuring the Safe Crossing of Railway Tracks  
*Narusova Elena Yu., Struchalin Vladimir G.*
6. Analysis of the System of Legal Means of Licensing and Certification in the Field of Cybersecurity  
*Nikolskaia Kseniia Yu.*

**Время / Time** **16:15 – 18:30**

7. The Relationship Between Cybersecurity and Artificial Intelligence  
*Nikolskaia Kseniia Yu., Naumov Victor B.*
8. The Main Directions of Ensuring Cybersecurity in Russia and the World  
*Nikolskaia Kseniia Yu., Minbaleev Aleksey V.*
9. Ensuring Reliability and Safety of the Continuous Passenger Transport Technical Systems  
*Rogov Anatoly A., Kublitskii Anton O., Kopylov Oleg A.*
10. Blockchain System Prototype for the Tasks of Metallurgical and Machine-building Enterprises  
*Snegireva Daria A.*
11. Review of Modern Blockchain Platforms  
*Snegireva Daria A.*
12. Review of Modern Vulnerabilities in Blockchain Systems  
*Snegireva Daria A.*
13. Ensuring Safety at Transport Infrastructure Facilities  
*Struchalin Vladimir G., Narusova Elena Yu.*
14. Simulation of the Dangerous Events Occurrence in Technological Processes in Railway Transport  
*Struchalin Vladimir G., Narusova Elena Yu.*

15. Technical and Legal Principles of Information Security on the Example of Russia  
*Zharova Anna K., Elin Vladimir M.*

### **Секция 3 / Section 3**

#### **Менеджмент систем транспортной и информационной безопасности / Management of Transport and Information Security Systems**

**Модераторы / moderators** *Лившиц Илья Иосифович,  
Лонцих Павел Абрамович*

**Дата / Data** 07.09.2021

**Ауд./Aud. 208**

**Время / Time** 10:00 – 11:30

1. Implementation of the Risk-based Approach Methodology in Information Security Management Systems  
*Aleksandrov Mark N., Vasiliev Victor A., Aleksandrova Svetlana V.*
2. Review of Existing Blockchain-Based Insurance Solutions  
*Averin Andrey, Musaev Elnur, Rukhlov Pavel*
3. Review of Existing Solutions in the Field of Real Estate and Cadastral Accounting Based on Blockchain Technology  
*Averin Andrey, Rukhlov Pavel, Musaev Elnur*
4. Review of Systems for Issuing and Verifying Library Cards Based on Blockchain Technology  
*Averin Andrey, Degtyarev Vladimir, Bogatyreva Veronika*
5. The Risk Management in the Urbanized Territories Transport Infrastructure  
*Drozдов Nikita A., Kuzina Elena L., Vasilenko Marina A., Tagiltseva Julia A., Kuzina Marina A., Prokopchuk Vladimir Yu.*
6. Improving the Quality of Electricity in Electrical Supply Networks of Industrial Enterprises  
*Konyukhov Vladimir Y., Livshitz Ilya I., Oparina Tatiana A.*

**Время / Time** 11:45 – 13:30

7. Industrial Systems Security Assessments Study  
*Livshitz Ilya I., Lontsikh Pawel A., Lontsikh Natalia P., Golovina Elena Yu., Safonova Olga M.*
8. A Study of Modern Risk Management Methods for Industrial Safety Assurance in the Fuel and Energy Industry  
*Livshitz Ilya I., Lontsikh Pawel A., Lontsikh Natalia P., Golovina Elena Yu., Safonova Olga M.*
9. Project Management in the Website UX / UI Development: System-Oriented Analysis and Business Process Management Principles  
*Lontsikh Pawel A., Koksharov Andrey V., Livshitz Ilia I., Lontsikh Natalia P., Gulov Alexey E.*
10. System-oriented Analysis and Classification of Process Control Methods for Software Development  
*Lontsikh Pawel A., Gulov Alexey E., Livshitz Ilia I., Koksharov Andrey V., Golovina Elena Yu.*
11. Remote Audit Improvement Methods in the System-oriented Information and Security Analysis  
*Lontsikh Pawel A., Safonova Olga M., Koksharov Andrey V., Lontsikh Natalia P., Golovina Elena Yu.*
12. Business Process Management System Modernization Using Neural Technologies  
*Lontsikh Pawel A., Livshitz Ilia I., Rodionov Nikita S., Tatarnikova Lyudmila I.*
13. Optimal Solution to the Problem of Choosing Means to Minimize Information Security Risks  
*Volkov Andrei I., Semin Valeriy G., Semina Elisaveta V.*



#### **Секция 4 / Section 4**

##### **IT–сервис менеджмент. Защита информации / IT-services Management. Protection of Information**

**Модераторы / moderators** *Азаров Владимир Николаевич,  
Леохин Юрий Львович*

**Дата / Data** 10.09.2021

**Ауд./Aud.** 207

**Время / Time** 10:00 – 12:15

1. Analysis of Risks in Security Threats to the Object of Informatization  
*Akatov Maxim S., Tuv Alexander L.*
2. Development of the Model of Digital Technology Stack for Promoting Accounts in the Field of Science and Education on Social Media Platforms  
*Barashkova Anastasia L., Vorob'ev Ivan V., Zapolskaya Anna N.*
3. Development and Implementation of Privacy Information Management for Compliance with International Standard ISO 27701:2019  
*Grishaeva Svetlana A.*
4. Assessment of Information Security in Integrated Systems  
*Khashirova Tatiana Yu., Mamuchiev Ibragim I., Mamuchieva Madina I., Ozhiganova Marina I., Kostyukov Alexandr D., Shumeyko Irina P.*
5. Smart Service for Medical Care of the Region's Population  
*Kopytina Ekaterina A., Kopytin Aleksey V., Desyatirikov Felix A.*
6. Mathematical and Algorithmic Prevention of Biometric Data Leaks  
*Kuznetsova Nataliya M., Karlova Tatyana V., Bekmeshov Alexander Y., Kirillova Elena A., Mikhaylova Marianna V., Averchenkov Andrey V.*
7. Assessing Information Security in Telecommunication Systems  
*Lavlinskaya Oksana Yu., Kuripta Oksana V., Desyatirikov Felix A.*
8. Automatic Equivalency Restoration after Software Patching  
*Lubkin Ivan A., Zolotarev Vyacheslav V.*
9. Information and Functional Security of Distributed Information Processing Systems  
*Saksonov Evgeny A., Leokhin Yuri L., Azarov Vladimir N.*

#### **Секция 5 / Section 5**

##### **Интеллектуальный транспорт и транспортные системы / Smart Transport and Transport Systems**

**Модераторы / moderators** *Кузина Елена Леонидовна,  
Савчук Рамиля Рафиковна*

**Дата / Data** 09.09.2021

**Ауд./Aud.** 214

**Время / Time** 10:00 – 11:30

1. Comprehensive Analysis of Transport Mobility of the Population and Gravitational Modeling of Transport Movements in the Leningrad Region  
*Budrin Aleksander G., Budrina Elena V., Lebedeva Anna S., Momotova Irina A., Rogavichene Larisa I., Rykova Irina S.*
2. Intelligent Transport Systems: Analysis of the Current State and Prospects of Development  
*Macheret Pavel D., Savchuk Ramilya R., Shkuratov Grigory*
3. Identification of Time Series Models of Car Traffic Volume Fluctuations for Further Construction of Prediction Models  
*Malovetskaya Ekaterina V., Bolshakov Roman S.*
4. To the Question of Transport Infrastructure Development in Conditions of Digitalization  
*Martyakoa Elena V., Nikolaevski Vladimir E., Pleshakov Mikhail R.*



5. The International Cargo Transportations in South Russian Transport and Logistics System  
*Tagiltseva Julia A., Kuzina Elena L., Drozdov Nikita A., Vasilenko Marina A., Kuzina Marina A., Korenyakina Natalia N.*
6. The Intelligent Transportation System in Multimodal Freight Transportation  
*Tagiltseva Julia A., Kuzina Elena L., Drozdov Nikita A., Vasilenko Marina A., Barashyan Vitalina Yu., Churilov Artem I.*

## **Секция 6 / Section 6**

**Автоматизированные системы контроля и управления качеством. Инструментальные средства контроля качества продукции и услуг. Программно-аппаратные и технические средства контроля и управления / Automated Systems for Quality Control and Management. Tools for Products and Services Quality Control and Management. Quality Control and Management Software and Hardware**

**Модераторы / moderators** *Исаев Владимир Владимирович,  
Семи́н Валерий Григорьевич,  
Акто́в Макси́м Серге́евич*

**Дата / Data** 07.09.2021

**Ауд./Aud.** 214

**Время / Time** 10:00 – 11:30

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*Alexandrov Islam A., Muranov Alexander N., Mikhailov Maxim S.*
2. Information Technologies in Quality Management Processes  
*Barmenkov Evgenij Y., Bazaev Anton N.*
3. Modeling Publication Terminology Maps on Quality Assessment Problems of Printed Circuit Boards  
*Chvanova Marina S., Vasilyev Fedor V., Isaev Vladimir V., Baranov Vladislav Yu.*
4. Fast-variable Processes Analysis Using Classical and Approximation Spectral Analysis Methods  
*Dosko Sergei I., Sheptunov Sergey A., Tlibekov Alexey Kh., Spasenov Alexey Yu.*
5. Smart Tool for Tracing Humidity and Temperature of Products During Transportation  
*Dudina Diana A., Vasiliev Victor A., Mandrakov Egor S.*
6. Data Quality and Standardization for Effective Use of Digital Platforms  
*Efimova Olga V., Igonnikov Boris V., Isakov Michail P., Dmitrieva Elizaveta I.*

**Время / Time** 11:45 – 13:30

7. Acoustic Emission Technique for Machine Parts Quality Control  
*Evseev Dmitriy G., Medvedev Boris M., Medvedev Philipp B., Homenko Andrey A., Kulikov Mikhail Yu.*
8. Development of a System for Automated Control of the Process of Manufacturing Products by the Method of Additive Manufacturing  
*Girs Roman A., Shevkhuzhev Astemir O., Yakhutlov Umar M., Sabanchiev Aslan M.*
9. Features of Advanced Product Quality Planning in the Space Industry Enterprises  
*Grishaeva Svetlana A., Barmenkov Evgeny Y., Borisova Ekaterina V.*
10. Automation of Loading and Unloading Operations Based on an Electric Drive with Dynamic Braking  
*Guskova Marina F., Varicheva Veronika V.*
11. Applying Digital Filters to Suppress Noise in the Derivative Term of the PID Controller  
*Kilov Aslan A., Konstantyan Vladislav N., Sannikov Alexandr S., Sheptunov Sergey A., Chetvertakov Aleksandr A.*
12. Applicability of Quality Metrics and New Approaches to the PDCA Cycle in Improving Quality Control and Management Systems Applied in Aircraft Manufacturing Processes  
*Kunakov Egor P., Gulov Alexei E., Lontsikh Natalia P., Rodionov Nikita S., Golovina Elena Yu.*

13. Implementation of Machine Vision and Other Automated Systems to Ensure the Collection of Representative Statistics of Process Control and Quality Management at Industrial Enterprises  
*Kurdyukova Natalia O., Ognev Iurii V., Kunanbayeva Kymbat B.*

**Время / Time 14:30 – 16:00**

14. Improving the Control of the Automated Technological Environment to Improve the Efficiency of the Tool in Environments with a Glow Discharge  
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15. Development of a Cryptocurrency IoT wallet with Automatic Authentication  
*Lomazina Tatyana A., Surovtsova Tatyana G., Ivanov Dmitrii A.*
16. Architecture Model of Digital Quality Management System  
*Martyakova Elena V., Gorchakova Elena N.*
17. Digital Transformation of Employment Centers Based on the Concept of Lean Manufacturing  
*Porsev Kirill I., Aniskina Nina N., Romanova Inna A., Ostanina Olga I.*
18. The State of an Electrical Contact Connection as a Diagnostic Object  
*Sepp Yuriy I., Kosyanov Nikita M.*
19. Management Models Based on the Situational Approach in the Presence of Factors of Fuzziness and Uncertainty  
*Titov Andrey V., Rogov Anatoly A.*

**Время / Time 16:15 – 18:00**

20. Formalized Models of the Space of Properties in the Problem of Complex Assessment of the State of Management Objects  
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21. Methods for Determining the Interface Boundary During Material Processing  
*Tsygankova Olga A., Nakhusheva Alena S., Atabaeva Daniza M., Shevkhuzhev Astemir O.*
22. Application of an Optical Sensor for Fracture and Chips Control on Metal Surfaces  
*Tuv Alexander L., Akatov Maxim S., Starostenko Vladimir I., Dzamalutdinov Marat G.*
23. Application of Ultrasonic Method for Non-Contact Control of External Defects of Metal Surfaces  
*Tuv Alexander L., Akatov Maxim S., Bilalov Arslan Y.*
24. Integration of Quality Management Tools into a Digital Management System  
*Vasiliev Victor A., Aleksandrova Svetlana V., Aleksandrov Mark N.*
25. Fuzzy Sets in the Problems of Assessing the Quality of Mobile Applications  
*Volkov Andrei I., Semin Valeriy G., Semin Vladimir V.*

## **Секция 7 / Section 7**

**Мехатронные и робототехнические системы. Мехатронные технологии в медицине, биологии и нано построениях /  
Mechatronic and Robotic Systems. Mechatronic Systems in Medicine, Biology, and Nano Industry**

**Модераторы / moderators** *Шептунов Сергей Александрович,  
Олейник Андрей Владимирович*

**Дата / Data** 07.09.2021

**Ауд./Aud. 208**

**Время / Time 14:30 – 16:00**

1. Application of Machine Learning Method for Selection of Cascade PLI Filter in Design of a Computerized ECG Signal Processing System  
*Altay Yeldos A.*
2. A Graphical-User-Interface-Based System for Removal of ECG Data Measurement Noises Using Newton filters: New Data  
*Altay Yeldos A., Lyamin Andrey V., Berngardt Edvard R.*

3. Mechatronic System for Testing Functional Characteristics of Heart Valve Prostheses  
*Evdokimov Sergey V., Evdokimov Alexander S., Artemova Natalia E., Artemov Igor I., Sabanchiev Aslan M., Muzyemnek Alexander Yu.*
4. Contactless Compact Through-joint Supply Voltage and Control Signals Transferring Method  
*Konstantyan Vladislav N., Sabanchiev Aslan M., Sannikov Alexandr S., Aliev Magomedimin I., Glashev Rasul M.*
5. Architecture and Operation Algorithms of a General-Purpose Integrated Bilateral Manipulator System  
*Leskov Alexey G., Illarionov Vladimir V., Moroshkin Svyatoslav D.*
6. Convolutional Neural Networks for Early Prediction of Alzheimer's Diseases  
*Marusina Maria Ya., Bukhalov Alexei D.*

**Время / Time 16:15 – 18:00**

7. Automatic Segmentation of MRI Images of the Hippocampus for Early Detection of Diseases  
*Marusina Maria Ya., Bukhalov Alexei D.*
8. Improving the Efficiency of Mechatronic Systems Based on Optimization Principles  
*Marusina Maria Ya., Silaev Alexej A.*
9. Analysis of a Quadcopter Body Influence on the Root-Mean-Square Error of the Radio Waves Sources Direction-Finding by Means of On-Board Three-Element Circular Antenna Array  
*Samodurov Alexander S., Borisov Dmitry N., Desyatirikova Elena N., Shirshikova Ekaterina A.*
10. Active Control and Management of Vibrations of the Manipulator Positioning System Structures  
*Shavaev Azamat A., Girs Roman A., Yakhutlov Umar M., Nakhushev Rakhim S., Sheptunov Sergey A.*
11. Modal Methods for Biological and Biotechnical Systems' Survey  
*Spasenov Alexey Yu., Kucherov Kirill V., Fedorovich Andrey A., Dosko Sergei I., Sheptunov Sergey A.*
12. Determination of Quantitative Meanings of Informative Parameters in the Assessment of Walking Technique  
*Tsareva Anna V., Alekseev Vladimir V., Kurochkin Alexey Yu.*

### **Секция 8 / Section 8**

**Интеллектуальные производства. Конструкторско-технологическая информатика в промышленности. Навигационно-информационные системы, инструментарий и технологии. Глобальные навигационные спутниковые системы / Smart Manufacturing. Design and Technology Information Systems in Industry. Navigation and Information Systems, Tools and Technologies. Global Satellite Navigation Systems**

**Модераторы / moderators** *Червяков Леонид Михайлович,  
Запольская Анна Николаевна*

**Дата / Data** 09.09.2021

**Ауд./Aud. 208**

**Время / Time 10:00 – 11:30**

1. The Production Process as a Complex Cyber-Physical System of Relations  
*Chervyakov Leonid M., Sheptunov Sergey A., Alexandrov Islam A., Bychkova Natalia A., Yakhutlov Martin M.*
2. Method of Designing an Intelligent System for Making Design and Technological Decisions  
*Chervyakov Leonid M., Oleinik Andrey V., Bychkova Natalia A.*
3. Visualization of Virtual Devices in the Design and Operation of Automation Systems and Tools  
*Desyatirikova Elena N., Efimova Olga E., Akimov Valery I., Polukazakov Aleksey V.*
4. Development and Analysis of Models for the Formation of Contact Radio Interference under Deterministic and Random Mechanical Effects on the Contact Mechanical Joints of Moving Objects  
*Grachev Nikolay N., Artamonov Dmitriy O., Utkin Boris V.*
5. Models of the Envelope Probability Density for the Signal Reflected from an Extended Object  
*Isaev Vladimir G., Artuschenko Vladimir M., Privalov Victor I.*
6. Evidence-Based Modeling of Thermal Processes in Printed Circuit Assemblies of Optoelectronic Devices

*Kofanov Yury N., Kuznetsov Nikita E., Sotnikova Svetlana Y.*

7. Method of Computer Simulation of Thermal Processes in Optoelectronic Devices  
*Kuznetsov Nikita E., Kofanov Yury N.*

**Время / Time 11:45 – 14:00**

8. Search for Objects by an Unmanned Aerial Vehicle According to the Relief of the Earth's Surface  
*Lutin Vladimir I., Desyatirikova Elena N., Lutina Ekaterina V.*
9. Application of Building Information Modeling Technologies at the Design Stages of Real Estate Objects  
*Macheret Pavel D., Savchuk Ramilya R.*
10. Modification of the Algorithm for Orthogonalization of Geometric Structures to Optimize the Profile of the Stiffness Matrix when Solving Problems by the Finite Element Method  
*Nesterov Ivan V., Merzliakova Aleksandra D., Smirnova Olga V., Bykov Yuri A.*
11. System Optimization of Technological Design by Switching to Additive Methods  
*Popov Alexander P., Popova Tatiana A., Zapolskaya Anna N., Kulikov Mikhail Yu.*
12. Automation of Matching Coordinate Systems of Manipulators with Different Spatial Positions  
*Sabanchiev Aslan M., Nakhushev Rakhim S., Kilov Aslan A., Morozov Aleksandr I., Glashev Rasul M.*
13. Methods for Formation of Recommendations for the Modernization of Production Process Based on Automated Analysis of its Digital Model  
*Voloshko Anna G., Kryukov Oleg S.*
14. Prototyping Electronic Devices on a Dragonfly 3D Printer as a Means of Preserving Original Developments inside the Design Center  
*Vorunichev Dmitry S.*
15. Investigation of the Possibilities of Printing Multilayer Printed Circuit Boards on a Dragonfly 3D Printer with Expired Nanoink  
*Vorunichev Dmitry S.*
16. Application of Additive Technology for 3D Printing of Electronic Devices as a Way to Reduce Prototyping Time  
*Vorunichev Dmitry S.*

## **Секция 9 / Section 9**

### **Системы искусственного интеллекта / Artificial Intelligence Systems**

**Модераторы / moderators** *Мартынов Виталий Владимирович,  
Белов Александр Владимирович,  
Саксонов Евгений Александрович*

**Дата / Data** 09.09.2021

**Ауд./Aud.** 207

**Время / Time** 11:45 – 13:30

1. Machine Learning Approach for the Game Mechanics Problem in Computer Games  
*Belov Aleksandr V., Sapozhnikov Artem A., Semichasnov Iliya V.*
2. Reconstruction of the Face Image from Speech Recording: a Neural Networks Approach  
*Bragin Aleksey K., Ivanov Sergey A.*
3. Data Processing and Computing the Integral Indexes of Russian Regions Development  
*Ilyasov Bary G., Makarova Elena A., Martynov Vitaly V., Zakieva Elena Sh., Gabdullina Elvira R., Mansurova Margarita T.*
4. Software for the Agent-based Simulation System of the Enterprises with Banks Interaction  
*Ilyasov Bary G., Makarova Elena A., Martynov Vitaly V., Zakieva Elena Sh., Gabdullina Elvira R., Solntsev Oleg V.*
5. Transfer Learning for the Russian Language Speech Synthesis  
*Kuzmin Aleksander D., Ivanov Sergey A.*

6. Automated Analysis of Big Data from Social Networks as a Way to Compile a Psychological Portrait of a Personality  
*Lampezhhev Abas H., Alexandrov Islam A., Gorelov Victor A.*

**Время / Time 14:30 – 16:00**

7. Application of Expert Systems in Quality Management  
*Mandrakov Egor S., Vasiliev Victor A., Dudina Diana A.*
8. Classification of Network Traffic Using Generative Adversarial Networks  
*Myakotin Dmitriy, Varkentin Vitalii*
9. Network Traffic and Ensemble Models in Machine Learning  
*Panyushkin Georgy, Varkentin Vitalii*
10. Neural Network Models for the Russian Language Speaker Recognition  
*Popov Andrey S., Ivanov Sergey A.*
11. The Use of Neural Network Models to Improve Software Reliability  
*Sheptunov Sergey A., Sukhanova Natalia V.*
12. Explainable Artificial Intelligence Approaches: Challenges and Perspectives  
*Shevskaya Natalya V.*

**Время / Time 16:15 – 18:00**

13. Classifications of Network Traffic Using Long Short-term Memory  
*Starodubtsev Dmitriy, Varkentin Vitalii, Minbaleev Aleksey V.*
14. The Neural Network Models in Mechanical Engineering  
*Sukhanova Natalia V., Sheptunov Sergey A.*
15. Automated Diagnostics of Early Stages of Diabetic Retinopathy Using Neural Network Modeling Methods  
*Tatarkanov Aslan A., Alexandrov Islam A., Vorobieva Irina V.*
16. Using a One-dimensional Convolution Neural Network to Detect Atrial Fibrillation  
*Tatarkanov Aslan A., Alexandrov Islam A., Bestavashvili Afina A., Kopylov Philip Yu.*
17. Creating a Simulation System of Orthopedic Insoles Based on Data from Three-Dimensional Scan of the Feet  
*Voronov Vyacheslav I., Dovgolevsky Petr A., Voronova Lilia I.*

## **Секция 10 / Section 10**

### **Информационно-коммуникационные технологии в образовании, науке и экономике / Information and Communication Technologies in Education, Science and Economics**

**Модераторы / moderators** *Яхутлов Мартин Мухамедович,  
Чванова Марина Сергеевна,  
Митрофанова Ирина Петровна*

**Дата / Data 06.09.2021**

**Ауд./Aud. 207**

**Время / Time 14:30 – 16:00**

1. Information and Communication Technologies and the Organization of Distance Learning in a Modern University (based on Materials from the Kabardino-Balkarian University)  
*Alikaeva Madina V., Mustafaeva Zemfira A., Uyanaeva Madina B., Ligidov Ramazan M.*
2. Construction of Distributed Enterprises in Pandemic and Post-Pandemic Periods  
*Azarov Vladimir N., Leokhin Yuri L., Chekmarev Anatoly V.*
3. Intelligent Agent for the Formation of the Mature Infocommunication Infrastructure of a Digital Enterprise  
*Brusakova Irina A., Kossukhina Maria A.*
4. Information and Communication Digital Environment to Strengthen Systematization of Engineers' Competencies Development

*Chuvashova Anna D., Elsakova Renata Z., Kotlyarova Irina O., Vaulin Sergey D.*

5. SMART Technologies for Student Mobility in the Open Education System and their Application Criteria  
*Chvanova Marina S.*
6. Using the SMART System for Organizing Mobile Routes in the Open Education System  
*Chvanova Marina S., Skvortsov Alexander A., Samokhvalov Alexey V., Kiseleva Irina A., Molchanov Anatoly A.*

**Время / Time 16:15 – 18:30**

7. Terminological Maps of Publications on the Transformation of Students' Professional Orientations in the Context of their Internet Socialization  
*Chvanova Marina S., Mitrofanova Irina P., Molchanov Anatoly A., Nikolaeva Svetlana V., Shlenov Yury V., Podlesny Dmitry V.*
8. Assessment of the Text Content Quality of a Distance Technical Translation Course for Graduate Students  
*Dmitrieva Elizaveta I., Grubin Ilya V., Ivanova Albina G., Klycheva Natalya A., Semina Vera V.*
9. Using Computer Algebra System Maple for Teaching the Basics of the Finite Element Method  
*Eyrikh Nadezhda V., Markova Natalia V., Zhunusakunova Aijarkyn D., Bazhenov Ruslan I., Matveeva Elena V., Gorbunova Tatiana N.*
10. Benefits of Organizing Remote Education in the Design of a University's Unified Information and Analytical Space Using Artificial Intelligence  
*Gallini Nadezhda I., Gorbunova Nataliya V., Popov Maksim N., Chetyrbok Petr V., Koykova Elzara V.*
11. Criteria and Levels of Formation of Intellectual Creativity of Future IT Specialists  
*Gallini Nadezhda I., Buzni Victoria A., Gorobets Daniil V., Chetyrbok Petr V., Anisimova Lyudmila S.*
12. Gamification Components of a Software Solution Using a Neural Network in the Design of Unified Information and Analytical Space of a University  
*Gallini Nadezhda I., Kamornickiy Daniil T., Latysheva Marianna A., Chetyrbok Petr V., Anisimova Lyudmila S.*
13. The Technology of Using the Information - Recommending System to Establish the Point of Contact of the Audience with the Product  
*Gorbunova Tatiana N., Bazhenov Ruslan I., Paraidin uulu Shailoobek, Arkhipova Zoya V., Samorukov Anatoly A., Bedrina Svetlana L.*
14. Virtual Laboratory Work “Pressure Measurement in a Closed-Loop Pneumatic System” in a Graphical Programming Environment  
*Gusselnikov Samuil, Tsareva Anna V.*
15. Comparative Analysis of the Quality of Teaching Students of the Institute of Informatics, Electronics and Robotics of Kabardino-Balkarian State University at Remote and Traditional Format  
*Islamova Oxana V., Zhilyaev Alan A., Alikaeva Madina V., Arabov Nurgali E.*

**Дата / Data 07.09.2021**

**Ауд./Aud. 207**

**Время / Time 10:00 – 11:30**

16. Manipulative IT and Verbal Strategies in Scientific and Technical Advertising  
*Ivanova Rimma A., Rotanova Mira B., Ivanov Andrey V., Prokhorova Marina V., Philippova Svetlana Yu.*
17. Semantic Deformation of Professional Subject Area of Future Engineers in the Information Retrieval Process  
*Kaftannikov Igor L., Yakusheva Oksana V., Tsytoovich Maria V., Yaroslavova Elena N.*
18. The Unique Challenges of Teaching Artificial Intelligence Systems to Mechatronics and Robotics Students  
*Kalazhokov Zaur K., Senov Khamisha M., Shogenov Beslan V., Yakhutlov Martin M.*
19. System Analysis of Didactic Content in the Virtual Reality System  
*Karlova Tatyana V., Bekmeshov Alexander Y., Kirillova Elena A., Kuznetsova Nataliya M., Mikhaylova Marianna V., Uvarova Ludmila A.*
20. Model of Growth of the Plant on the Example of the Snowdrop Caucasian (*Galanthus caucasicus*)  
*Khashirova Tatiana Yu., Tokmakova Dana A., Edgulovala Elizaveta K., Lamerdonov Kantemir Z.,*

*Thabisimova Maria M., Kalashnikova Lyubov M.*

21. Regularities of Adaptation of Communication Didactic Processes to Modern Digital Information  
*Kirillova Elena A., Karlova Tatyana V., Bekmeshov Alexander Y., Kuznetsova Nataliya M., Mikhaylova Marianna V., Uvarova Ludmila A.*

**Время / Time 11:45 – 13:30**

22. The Influence of New Means of Communication on the Translation of Scientific Knowledge  
*Kochesokov Robert Kh., Yakhutlov Martin M., Kulturbaeva Lyubov M.*
23. Dynamic Processes in Electrical Circuits with Nonlinear Passive Elements  
*Kupova Anastasia V., Lanovenko Elena V., Solovyeva Elena B.*
24. Application of Information and Communication Technologies in Hybrid Learning of Engineering Students  
*Lalova Tatyana I., Tolstykh Olesya M.*
25. Digital Technologies as the Basis of Teaching Special Training Courses at Universities  
*Lemeshko Tatiana B., Gnezdilova Elena V., Ostapchuk Tatiana V.*
26. IT-based E-learning Environment Design in Web Engineering for Students: on the Experience of Regional Universities  
*Luchaninov Dmitry V., Kuldysheva Gulsara K., Shakirova Nazgul A., Bazhenov Ruslan I., Papchenko Elena V., Mendel Viktor V.*
27. Project-Based Learning as an Integrated Component of the Educational Process at Technical University  
*Martyakova Elena V., Nagornaya Olga A.*
28. Two Ways of Using Microsoft Sway to Teach English in Vocational Education  
*Matveeva Natalya V., Fedotkina Elena V.*

**Время / Time 14:30 – 16:00**

29. Integration of CAD and ERP Technologies in the Project Activities of Students of Engineering, Information and Economic Specialties  
*Menshikova Margarita A., Smirnova Polina V., Shtrafina Elena D., Privalov Victor I.*
30. Organization Methodology and Features of Building Metadata Visualization Services on Interactive Maps  
*Nekrasov Hlib A., Pashina Alina S., Azarov Vladimir N.*
31. The Objective Characteristics Estimation in the EEG Evoked Potentials  
*Selskii Anton O., Zhuravlev Maksim O., Runnova Anastasiya E., Novikov Mikhail Yu.*
32. Information and Communication Support for Engineering Students and Faculty Collaboration  
*Seriapina Yulia S., Kotlyarova Irina O., Volchenkova Ksenia N., Semenova Yana V.*
33. Comparing Efficiency of Outsourcing or Insourcing Digital Logistics in Supply Chain Management  
*Sharakhin Pavel S., Levchenko Anna V., Renzhin Daniil A.*
34. Digital Communication Channels of Government Departments  
*Shevtsova Inessa, Dneprovskaya Natalia*
35. Full-Wave Rectification Based on Diode Bridge in NI ELVIS Complex  
*Solovyeva Elena B., Ezerov Kirill S., Inshakov Yury M.*

**Время / Time 16:15 – 18:00**

36. Challenges to the Assessment System of the Research Activities Management in Universities and Scientific Organizations  
*Stepanova Antonina A., Mamedova Natalia A., Urintsov Arkadiy I., Pavlova Ekaterina V.*
37. Application of the Digital Footprint in Teaching English to Engineering Students  
*Tolstykh Olesya M., Petrova Natalia V., Shturba Yana Y., Parastaeva Svetlana G.*



38. Engineers Training for Digital Transformation of Space System Production Based on Information and Communication Technologies  
*Vaulin Sergey D., Shchurov Igor A., Voloshina Irina A., Chuvashova Anna D.*
39. Modeling the Clustering of Wireless Sensor Networks Using the K-means Method  
*Voronova Lilia I., Voronov Vyacheslav I., Mohammad Nawar*
40. Digitalization of Learning by Programs of Bachelors and Masters Training for Machine-building Production  
*Yakhutlov Martin M., Sheptunov Sergey A., Senov Khamisha M., Nartyzhev Ruslan M., Kardanova Marianna R., Islamova Oxana V.*
41. High-Tech Educational Environment as a Means of Personification in Engineering English Language Training  
*Yaroslavova Elena N., Leskina Yulia A.*
42. Prospects for the Use of Artificial Intelligence Technologies in Education  
*Zharova Marina V., Trapitsin Sergey Yu., Timchenko Victor V.*

**Дата / Data** 09.09.2021  
**Время / Time** 10:00 – 11:30

**Ауд./Aud.** 207

43. Enhancing Creative Problem-Solving Skills in Future Engineers through Technology-Mediated Collaborative Inquiry Learning  
*Zhezhera Elena A., Volchenkova Ksenia N.*
44. The Modern Information System of Sleep Structure Detection in Polysomnographic Data Systems Approaches  
*Zhuravlev Maksim O., Ukolov Rodion V., Runnova Anastasiya E., Samatova Kamila S.*
45. The Automatic Method to Recognize the Individual Characteristics in Brain Electrical Activity  
*Zhuravlev Maksim O., Ukolov Rodion V., Runnova Anastasiya E., Nasrullaev Rakhman K.*
46. Role and Task Based Model Adaptation for Security Awareness Game  
*Zolotarev Vyacheslav V., Arkhipova Anastasiya B., Kasimova Alina R., Maznina Yuliya A., Dyakonova Anastasiya I.*
47. Выпрямление и детектирование сигналов в NI ELVIS комплексе  
*Соловьева Е. Б., Езеров К. С., Иншаков Ю. М.*
48. IT-сервис разработки персонального туристического маршрута по КБР  
*Хаширова Т. Ю., Амикоков Э. Т., Токмакова Д. А., Кетова Ф. Р.*

## **Секция 11 / Section 11**

**Электронное образование /  
On-line Education, E-learning**

**Модераторы / moderators** *Шапошников Сергей Олегович,  
Аниськина Нина Николаевна,  
Азаров Владимир Николаевич*

**Дата / Data** 09.09.2021

**Ауд./Aud.** 214

**Время / Time** 11:45 – 13:30

1. Риски и возможности при удалённом режиме работы и дистанционном образовании  
*Лившиц И. И.*
2. Electronic Engineering English Course for Master's Students  
*Balikaeva Marina B.*
3. Assessment of Online Learning Effectiveness by Students of Engineering and IT Degree Programs  
*Baskakova Daria Y., Belash Olga Y., Shaposhnikov Sergey O.*
4. Online Learning as a Tool for Developing Learner Autonomy for Future Engineers  
*Belkina Oksana V., Lazorak Olga V., Yaroslavova Elena N.*

5. Influence of Distance Learning Technologies on the Quality of the Educational Process  
*Borzov Vitaly I., Grishaeva Svetlana A.*
6. Information and Digital Culture for Future Engineers as a Factor of Socialization  
*Grevtseva Gulsina Ya., Litvak Rimma A., Osipova Tatyana V., Balikaeva Marina B., Zhasan Mihail S., Chukovskij Artemij M.*
7. A Platform for Mixed Foreign Language Teaching at a University: Creation and Testing  
*Ivanov Andrey V., Rotanova Mira B., Ivanova Rimma A., Frolova Natalia Kh.*

**Время / Time 14:30 – 16:00**

8. Hybrid Project-Based Learning in Engineering Education  
*Kolova Svetlana M., Belkina Oksana V.*
9. Online Course on Developing STEM Lecturers' Communication Competence for Training International Students  
*Korotkova Ekaterina G., Kuzmina Nadezhda N., Kolova Svetlana M.*
10. On-line and Off-line Educational Means of the Industrial Region Engineers and Academic Staff Training  
*Kotlyarova Irina O., Vaulin Sergey D., Voloshina Irina A., Chuvashova Anna D.*
11. Implementing E-Learning in the System of Engineering Students Training  
*Kuzmina Nadezhda N., Korotkova Ekaterina G., Kolova Svetlana M.*
12. Improvement of Communicative Professional-Oriented Foreign Language Competence of Research Engineers through an Online Course  
*Markus Anna M., Ovinova Lada N., Shraiber Elena G., Skorobogatova Anna S.*
13. The Role of Industry Electronic Dictionaries in the Process of Teaching University Students  
*Morozov Valerii E., Gnezdilova Elena V.*
14. Online Course as a Means of Mastering Professional Communicative Skills of Future Engineers  
*Ovinova Lada N., Shraiber Elena G., Skorobogatova Anna S., Markus Anna M.*

**Время / Time 16:15 – 18:00**

15. LabVIEW Application Programming Interfaces for Remote Access to Power Supply and Spectrum Analyzer  
*Rumyantsev Ivan A., Aivazova Margarita O.*
16. Transformation of the Digital Environment into Actor of E-learning  
*Shevtsova Inessa, Dneprovskaya Natalia*
17. Digital Competence of a Foreign Language Teacher: E-learning in Work  
*Shimichev Alexey S., Rotanova Mira B.*
18. Distant Tour of All-Russian Academic Competition in Foreign Languages as a Tool of Determining the Formation of Communicative Competence among Students of Engineering Specialties  
*Skorobogatova Anna S., Shraiber Elena G., Ovinova Lada N., Markus Anna M.*
19. Some Features of Online Teaching of Mathematical Disciplines for Engineering Specialties  
*Smirnova Olga V., Smirnova Nadezhda V.*
20. Optimization of the Student Assessment Algorithm Based on Classification Methods  
*Timchenko Victor V., Trapitsin Sergey Yu., Kaisheva Kseniia V., Zharova Marina V.*
21. Process Approach to the Management of the Ambulance Dispatcher Service  
*Trapitsin Sergey Yu., Zharova Marina V., Timchenko Victor V., Guschina Irina A.*
22. Online Course on Soft Skills for Global Engineers  
*Volchenkova Ksenia N., Zhezhera Elena A.*

## **Секция 12 / Section 12**

**Организационно-экономические механизмы управления в условиях цифровой трансформации бизнеса /**

## **Organizational and Economic Mechanisms of Management in the Context of Digital Transformation of Business**

**Модераторы / moderators** *Гуськова Марина Федоровна,  
Савчук Рамиля Рафиковна*

**Дата / Data** 10.09.2021

**Ауд./Aud. 208**

**Время / Time** 10:00 – 12:15

1. Analysis of Approaches to Audio&visual Interaction Information Systems Creating in the Context of Digital Transformation  
*Kukharensko Elena G.*
2. Innovative Technologies Monitoring the State of Geographically Distributed Networks Industrial Facilities (Using the Example of Pipeline Transport)  
*Kukharensko Elena G., Alyushina Svetlana G., Yankevskiy Alexey V.*
3. Transformation of Business Technologies into Digital Platforms and Evaluation of the Effectiveness of their Application  
*Salutina Tatyana Y., Platunina Galina P., Vasileva Irina A.*
4. Big Data as a Management Decision-Making Tool in Digital Business Environments  
*Salutina Tatyana Y., Klesareva Elena Y., Platunina Galina P.*
5. Integral Method for Evaluating the Effectiveness of Electronic Interaction between the State and the Population and Business in the Context of Digital Transformation  
*Salutina Tatyana Y., Kuzovkova Tatyana A., Kolotov Yuri O.*
6. Features of Evaluating and Managing the Resources of Mobile Virtual Network Operators of Digital Ecosystems  
*Sharavova Olga I., Sharavova Maria M.*
7. Digital Communications Management of the Organization in the Conditions of the Media Prosumerism Development  
*Soldatova Anastasiya V., Budrin Aleksander G., Budrina Elena V., Presnova Alyona A., Semenov Viktor P.*
8. Customer Loyalty Management in the Context of Digital Transformation of Business  
*Soldatova Anastasiya V., Budrin Aleksander G., Budrina Elena V., Presnova Alyona A., Girsh Linda V.*
9. Innovative Methods of Spectrum Management for the Development of Promising Mobile Networks  
*Volodina Elena E., Kukharensko Elena G., Sukhodolskaya Tatiana A.*

# Организационный комитет конференции

**Азаров Владимир Николаевич** – директор «Европейского центра по качеству», главный редактор журнала «Качество. Инновации. Образование», профессор Российского университета транспорта (МИИТ) г. Москва, сопредседатель комитета.

**Аниськина Нина Николаевна** – ректор Государственной академии промышленного менеджмента им. Н.П. Пастухова, г. Ярославль, сопредседатель комитета.

**Лёвин Борис Алексеевич** – президент Российского университета транспорта (МИИТ), Президент Ассоциации вузов транспорта, г. Москва, сопредседатель оргкомитета.

**Шептунов Сергей Александрович** – директор ИКТИ РАН, г. Москва, сопредседатель оргкомитета.

**Альтудов Юрий Камбулатович** – ректор Кабардино-Балкарского государственного университета им. Х.М. Бербекова, г. Нальчик.

**Афанасьев Валерий Николаевич** – профессор Департамента прикладной математики Национального исследовательского университета ВШЭ, г. Москва.

**Биктимиров Марат Рамилевич** – генеральный директор «e-ARENA» Association, г. Москва.

**Бойцов Борис Васильевич** – профессор МАИ (НИУ), главный редактор журнала «Качество и жизнь», первый вице-президент Академии проблем качества РФ, г. Москва.

**Владимирцев Аркадий Владимирович** – генеральный директор Ассоциации «Русский Регистр», г. Санкт-Петербург.

**Гуськова Марина Федоровна** – профессор Российского университета транспорта (МИИТ), г. Москва.

**Климов Александр Алексеевич** – ректор Российского университета транспорта (МИИТ), г. Москва.

**Мельник Ирина Олеговна** – проректор по экономике и управлению имуществом Академии Пастухова, г. Ярославль.

**Шелудько Виктор Николаевич** – ректор Санкт-Петербургского государственного электротехнического университета «ЛЭТИ» им. В.И. Ульянова (Ленина) (СПбГЭТУ «ЛЭТИ»), г. Санкт-Петербург, сопредседатель оргкомитета.

**Федосеева Татьяна Евгеньевна** – проректор по маркетингу Академии Пастухова, г. Ярославль.

**Katalinic Branko** – President of DAAAM International Vienna, Univ. Prof. Dip.-Ing. Dr. Techn. Dr.mult.h.c.

# Программный комитет конференции

**Майборода Валерий Прохорович** – зав. кафедрой «Менеджмент качества» РУТ (МИИТ), г. Москва, сопредседатель программного комитета.

**Шапошников Сергей Олегович** – представитель Российской Северо-западной секции IEEE, г. Санкт-Петербург, сопредседатель программного комитета.

**Акишин Валерий Николаевич** – Академия Пастухова, г. Ярославль.

**Васильев Виктор Андреевич** – зав. кафедрой МАИ (НИУ), профессор, г. Москва.

**Запольская Анна Николаевна** – ученый секретарь ИКТИ РАН, г. Москва.

**Кузьмина Светлана Николаевна** – зав. кафедрой «Менеджмент и системы качества» СПбГЭТУ «ЛЭТИ», г. Санкт-Петербург.

**Кухаренко Елена Геннадьевна** – декан факультета цифровой экономики и массовых коммуникаций МТУСИ.

**Кэмпбелл Дэвид Роберт** – исполнительный директор Системы аттестации и регистрации персонала в области качества, г. Москва.

**Леохин Юрий Львович** – проректор МТУСИ (Московский институт связи), г. Москва.

**Лонцих Павел Абрамович** – зав. кафедрой ИГТУ, г. Иркутск.

**Олейник Андрей Владимирович** – зав. кафедрой МГТУ «СТАНКИН», г. Москва.

**Савин Е.С.** – научный редактор журнала «Качество. Инновации. Образование.», г. Москва.

**Савчук Рамиля Рафиковна** – доцент Российского университета транспорта, г. Москва.

**Саксонов Евгений Александрович** – профессор МТУСИ (Московский институт связи), г. Москва.

**Сафонова Елена Евгеньевна** – проректор по учебной работе Академии Пастухова, г. Ярославль.

**Шепитько Таисия Васильевна** – директор Института путей, строительства и сооружений РУТ (МИИТ), г. Москва.

**Яхутлов Мартин Мухамедович** – директор политехнического института КБГУ им. Х.М. Бербекова, г. Нальчик.

**Абдужабаров Нуриддин Анварович** – ТашГТУ им. Ислама Каримова, Ташкент (Узбекистан).

**Винцент Харгаден** – Университетский колледж, Дублин (Ирландия).

**Джюлиано Коппотелли** – Университет Рима (Ла Сapienza).

**Клаудио Скарпони** – Университет Рима (Ла Сapienza).

**Петр Копачек** – Технический университет, Вена (Австрия).

**Питер Баррингтон** – Университет Кингстона, Лондон (Великобритания).

**Суитберто Кабрера Гарсиа** – Политехнический университет Валенсии (Италия).

