



I INTERNATIONAL CONFERENCE
TECHNOLOGY & ENTREPRENEURSHIP
IN DIGITAL SOCIETY

07 November 2018
Verkhnyaya Maslovka 15
Moscow, Russian Federation



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**TECHNOLOGY & ENTREPRENEURSHIP
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Time	Room	07 NOVEMBER
10:00 – 11:00	440	Registration
11:00 – 13:00	440	Plenary Session
13:00 – 14:00	440	Coffee Break
14:00 – 17:00	433	Track Digital Economy & e-Business
14:00 – 17:00	435	Track AI and Machine Learning Business Applications
14:00 – 17:00	437	Track Wireless and IoT Technologies
14:00 – 17:00	441	Track Industrial IoT: Risks and Information Security
14:00 – 17:00	444	Track Distributed Registry Technologies and Information Protection in State Information System and Financial Sector

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Industrial IoT: Risks & Information Security

Moderator	Liliya Voronova
Author	Paper Title
Aleksandr Gysev and Vladimir Repinskiy	Anomaly detection by machine learning method based on the Gaussian distribution
Alex Ezhov and Vyacheslav Voronov	Design and development of the module to control the quadrocopter using the signs shown by hands
Andrew Tolkachev and Nataliya Toutova	Application of neural networks for object recognition in video surveillance systems of Industrial IoT
Artem Goncharenko and Liliya Voronova	Real-time recognition system of sign language in the Industrial Internet of Things
Dmitry Ayrapetov and Boris Buyanov	YOLO V3 and YOLO V2 neural network work analysis
Liliya Voronova and Danil Bezumnov	About training of specialists in development Industrial Internet of Things
Michael Artyomov and Liliya Voronova	Design of architecture of the program complex for equipment control using gestures
Nikita Belov, Boris Buyanov and Vera Verba	Classification of objects in real time on board in aircraft using Raspberry pi 3
Vasiliy Usachev and Vyacheslav Voronov	IIoT competencies support in the master's program "Automation of technological processes and production"

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Wireless & IoT Technologies

Moderator	Vitaly Kreyndelin
Author	Paper Title
Aleksy Smirnov	New algorithms for processing signals at the receiver side for wireless communication systems with Massive MIMO technology
Andrey Reznev	Analytical method of forming the equivalent virtual MIMO channel matrix for space-time codes of high dimensions.
Denis Pankratov and Anastasia Stepanova	Linear iterative demodulation algorithm for MIMO systems with large number of antennas
Sergey Melnick and Nikolay Ulpe	Cyber security concept for New Generation Telecommunication
Sergey Melnik and Nikolay Smirnov	Timing Quality for New Generation Networks
Taoufik Ben Rejeb	Effective precoding technique for multiuser MIMO systems
Vadim Chebyshov and Olga Yastrebtsova	Features of the application in wireless communication systems, microstrip antenna arrays with single-layer substrate
Valery Frisk	Experimental study of wireless music and speech communication with the use of technology of single-wire lines
Vitaly Kreyndelin and Elena Grigorieva	Technique of quality improvement of the digital filters with given frequency response requirements
Vitaly Kreyndelin, Denis Pankratov and Mikhail Bakulin	Filtration of Linear Recurrent Sequences with Random Delay and Random Initial Phase

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**Distributed Registry Technologies & Information Protection in State
Information System & Financial Sector**

Moderator	Evgeny Saksonov
Author	Paper Title
Andrey Petukhov, Pavel Pilyugin and Dmitry Ovcharenko	Security of wireless onboard sensor network
Andrey Petukhov, Pavel Pilyugin and Karina Pilyugina	Harmonization of critical information infrastructure object threats
Konstantin Pankov	Asymptotic Enumeration of Binary Orthogonal Arrays
Marina Chvanova, Alexey Popovich, Maria Anurieva, Anastasia Frolova, Karapet Alekyan, Dmitry Makarov	Internet student youth about risks and security of Industrial Internet of Things
Mikhail Gorodnichev, Stanislav Makhrov, Elena Denisova and Ilya Buldin	The research of blockchain technology for data protection in IoT devices
Oleg Sheluhin, Vyacheslav Barkov and Mikhail Polkovnikov	Classification of encrypted application of traffic mobile devices using the data mining
Yakov Dalinger and Evgeny Saksonov	The Blockchain technology in state institutions

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Digital Economy & E-business

Moderator	Natalie Linder
Author	Paper Title
Arkady Trachuk, Natalie Linder and Hayk Nalbandyan	Relations transformation between industrial companies in B2B markets as a result of IoT technology implementation
Elena Davydenko	Features of joint value creation in the context of digitalization
Iliia Rozhkov and Svetlana Karpova	Research on the application of neuromarketing technologies on financial markets
Irina Katunina and Valeria Kashtanova	The Application of Generational Theory to Digital Content Management
Karina Sayapina	The role of professional labor migration in developing an effective knowledge management system in high-technological organization
Marina Chvanova, Ekaterina Saushkina, Maria Anurieva, Alexey Samokhvalov and Anatoly Molchanov	Web-environment for supervision of training computer science students as a new form of Internet socialization in professional community
Natalya Altukhova and Elena Vasilieva	The ecosystem for teaching students entrepreneurship in the Internet
Natalya Udaltsova	Digital economy of Russian: status and prospects of development
Nida Nasee, Amina Shokat, Gulzareen Afza and Noman Mazher	Solid smart waste management system

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AI and Machine Learning Business Applications

Moderator	Niyaz Abdikeev
Author	Paper Title
Artem Frolov and Boris Buyanov	The use of the library OpenCV and neural networks in the recognition of emotional state
Dmitry Namiot, Oleg Pokusaev and Alexander Chekmarev	On forecasting passenger traffic for new urban railways in Moscow
Eduard Martinenko	Using recurrent neural networks with long short-term memory for classification information about crimes and incidents in Russian police system(semantic text classification problem CNN + LSTM)
Fiza Riaz, Mehak Tariq, Fatima Ishaque and Noman Mazhe	Performance Comparison of Load Balancing Algorithms using Cloud Analyst in Cloud Computing
Irina Alyoshina	Artificial intelligence as a challenge for industries, economy and society
Ivan Tarasov	Comparative study of IoT Infrastructure development options for Russian digital economy
Niyaz Abdikeev	System of evaluation of intellectual capital and intangible assets created on the basis of intellectual property