

**International Scientific Conference on Innovations in Digital Economy: SPBPU IDE-2020**

Peter the Great St. Petersburg Polytechnic University

October 22-23, 2020

**Conference program**

**October 22, 2020**

**<https://us02web.zoom.us/j/85310934560>**

**10:00 - 10:30** – Opening Ceremony

**Dr. Vladimir Schepinin** – Director of the Institute of Industrial Management, Economics and Trade, Peter the Great St. Petersburg Polytechnic University, Co-chair of the SPbPU IDE 2020 conference.

**Dr. Ir. Hendri Dwi Saptioratri Budiono**, Dean of Faculty of Engineering, Universitas Indonesia, Co-chair of the SPbPU IDE 2020 conference.

**Dr. Mohammed Ali Berawi**, Currently serves as Executive Director of the Center for Sustainable Infrastructure Development (CSID), Universitas Indonesia, Co-chair of the SPbPU IDE 2020 conference.

**Dr. Dmitrii Rodionov** – Director of the Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University, Co-chair of the SPbPU IDE 2020 conference.

**10.30 – 12.00** – Plenary Session

**Keynote speakers:**

**10.30 – 11.00** – **Dr. Dirk Nitzsche**, Senior Lecturer at Cass Business School, UK: *«FinTech: How technology is changing the Asset Management Industry?»*

**11.00 – 11.30** – **Dr. Tatiana Kudryavtseva**, Professor at Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University, Russia & **Angi Skhvediani**, Research

Assistant at Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University, Russia: *«Bridging the university – industry skill gap: case of the SPbPU master program “Digital economy and business analytics”»*

**12:00 - 13:30** Special Lecture from editors of IJTech journal **Dr. Mohammed Ali Berawi** and **Dr. Nyoman Suwartha**: *“Writing and Publishing a scientific journal paper: Tips and Strategy”*.

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**13:30 - 17:30** – Sections: "Industrial, service and agricultural digitalization", "Economic efficiency and social consequences of digital innovations implementation", "Digital transformation in financial and government sectors" and "Regional innovation systems and clusters"

**In Russian:**

Section Chairman - Andrey Zaytsev, Doctor of Economic Sciences, Professor at the Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University

<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
13:30	Tatyana Golovina	Digital twins as a new paradigm of an industrial enterprise
13:40	Ekaterina Kharitonova	Revealing best practices in legal regulation in the sphere of blockchain technology
13:50	Pecheritsa Elena	Digital Transformation in the Concept of Economic Security of Russia and Its Regions
14:00	Ivan Babkin	Technopark organizational and economic structures: classification and features
14:10	Artur Kuchumov	Influence of Digital Innovations on Environmentalization of Tourist Destinations
14:20	Oleg Lobanov	Three-Dimensional Trends Superposition in Digital Innovation Life Cycle Model
14:30	Elina Stepanova	Innovative development of the export oriented regional agroindustrial cluster
14:40	Alexander Babkin	Digital platforms for industrial clusters and enterprises: essence and structure
14:50	Olga Zinina	The importance of strategic analysis for agricultural holdings in the innovative development of the agricultural sector
15:00	Andrey Stepanchuk	Economic Efficiency Assessment as an Investment Control Tool
15:10	Polovova Tatyana	Cluster development of innovative architecture of territorial and spatial entities
15:20	<b>Andrey Zaytsev</b> and Evgeniy Konnikov	Modeling Changes in the Enterprise Information Capital in the Digital Economy

**In English:**

Section Chairman - Ksenia Pereverzeva, Ph.D. in Economics, Senior Lecturer at the Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University

<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
15:30	Gabriel Reyes	Developing PPP Model with Blockchain-Based Crowdfunding Concept for Port City Project
15:40	Nikolay Lomakin	Artificial neural network model for managing bank capital
15:50	Kirill Sarachuk	Is Ultra-Broadband Enough? The Relation of High-Speed Internet on Entrepreneurship in Brandenburg

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16:00	Natalia Dolotova	EVALUATING THE EFFECTIVENESS OF IMPLEMENTING TARGETED PROGRAMS FOR SMALL BUSINESSES IN A MEGALOPOLIS
16:10	Anastasia Korpusenko	Sentiment Analysis Of Social Networks Messages
16:20	Aleksandra Kobicheva	Neural Network Modeling as a Method for Creating Digital Twins: from Industry 4.0 to Industry 4.1
16:30	Anton Barabanov	Prospects for Digital Transformation of Public Administration in Russia
16:40	Elena Kozonogova	Assessment of the contribution of inter-territorial interaction in the development of the national economy
16:50	<b>Ksenia Pereverzeva</b>	On Technology Readiness to Develop Wind Energy Sector in Russia
17:00	Sergei Grishunin	The comparison of empirical methods for reproduction of credit ratings of the global manufacturing companies
17:10	Alexey Davydov	AGREGATION OF THE CAR-SHARING INDUSTRY IN RUSSIAN FEDERATION
17:20	Ekaterina Solovyova	RESEARCH INTO THE LEVEL OF SUSTAINABLE DEVELOPMENT IN THE MIDDLE EAST

**17:30 – 19:00** Round Table “End-to-end digital technologies in industry” by the Laboratory of Industrial Systems for Streaming Data Processing of the SPbPU NTI Center.

17.30	Иванов Филипп Геннадьевич, заместитель директора по исследованиям и разработкам ООО «Ольвия»	Smart Mobile Enforcement Systems. Интеллектуальные мобильные системы для контроля дорожного движения
17.45	Ярослав Хуторной, программист Лаборатории "Промышленные системы потоковой обработки данных" Центра НТИ СПбПУ	Использование радарных и оптических технологий для автоматического определения пространственного положения комплекса фотофиксации нарушений
18.00	Александр Болдырев, заместитель генерального директора по финансам и развитию ЗАО «Амдор» Анна Овсянникова, ведущий инженер Лаборатории «Промышленные системы потоковой обработки данных» Центра НТИ СПбПУ	Разработка аппаратно-программного комплекса для автоматизации оценки площади покрытия битумом щебней различной природы

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18.30	Павел Счастный, специалист по BIM- технологиям лаборатории «Промышленные системы поточковой обработки данных» Центра НТИ СПбПУ Елизавета Савченко, BIM менеджер АО «НПО Альянс Электро»;	Применение BIM-технологий для проектирования канализационно-очистных сооружений
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**<https://us02web.zoom.us/j/84665664441>**

**10:00 - 14:00** – Sections: "Industrial, service and agricultural digitalization", "Economic efficiency and social consequences of digital innovations implementation", "Digital transformation in financial and government sectors" and "Regional innovation systems and clusters"

**In Russian:**

Section Chairman - Marina Ivanova, Ph.D. in Economics, Associate Professor at the Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University

<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
10:00	<b>Marina Ivanova</b>	Approaches to Evaluation of Digital Transformation of Government: Comparative Analysis of Indicators in the Central and Eastern European Countries
10:10	Valery Bogolyubov	Digital solutions as a key element in improvement of levels of economic security and attractiveness of tourist destinations
10:20	Evgeny Konyshv	Agritourism Development Model In Digital Economy
10:30	Maria Styf	State and Civil Society in the Digital Age: a Search for Methodological Approaches
10:40	Egor Koshelev	FORESIGHT OF MAJOR INNOVATION SYSTEM DEVELOPMENT USING A MULTI-OBJECTIVE GENETIC ALGORITHM
10:50	Yuliya Asaturova	Development of the Industrial Internet of Things in the Russian Economy
11:00	Andrey Polyanin	Integrated approach to the assessment of the economic security of a cluster
11:10	Kochinev Yu. Yu	Formalization of Analytical Procedures for Assessing the Risks of Material Misstatement in Financial Statements due to Fraud
11:20	Nikolova Liudmila	Development of the analysis model of innovative projects efficiency management in the context of

**In English:**

Section Chairman - Elena Rytova, Ph.D. in Economics, Associate Professor at the Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University

<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
11:30	Philipp Shpigalskiy	Digital Transformation of the Russian Agricultural Sector: Technological and Economic Barriers
11:40	Irina Gorbatenko	Formation of a Multi-timeframe Trading Strategy Based on

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		Three Exponential Moving Averages and a Stochastic Oscillator
11:50	Oxana Zhevnyak	Legal Ways to Overcome Barriers to Developing Competition in the Digital Platform Services Market
12:00	Zuzana Dvorakova	How the COVID-19 made universities switch to distance education: the Russian and Czech cases
12:10	Evgeniy Antonov	Information Analysis Support for Decision-making in Matters of Scientific and Technological Development
12:20	Anton Tikhomirov	Art Investment in the Era of Digitalization — Challenges and Prospects
12:30	Lo Thi Hong Van	SUSTAINABLE ECONOMIC GROWTH IN VIETNAM: OPPORTUNITIES AND CHALLENGES OF THE CORONAVIRUS PANDEMIC
12:40	Julia Varlamova and Natalia Larionova	Labour Productivity in the Digital Era: Spatial-temporal Analysis
12:50	Alberto Tron	Evidence on the relationships between earnings and various measures of cash flow
13:00	<b>Elena Rytova</b>	Assessing the Maturity Level of the Digital Government of Saint Petersburg
13:10	Galina Malykhina	Digitalization of medical services for the detection of cerebrovascular regulation based on signal coherence analysis
13:20	Andrea Bencsik	Challenges of Management in the Digital Economy
13:30	Galina Fedotova	Problems of Digital Transformation of Customs Services on Classification of Goods
13:40	Heri Fathurahman	Constructing the Relaxation of the Aviation Industry in Indonesia Impact of COVID-19
13:50	Elina Stepanova	Engineering Centers for the Innovative Development of the Regional Agricultural Enterprises

**In Russian:**

**14:00 - 16:00** – Round Table «Cross-border collaboration in digital age» by participants of the INCROBB project (<https://us02web.zoom.us/j/85695663985>)

<b>14:00</b>	<i>Леухина Майя Сергеевна, студентка Высшей инженерно-экономической школы, СПбПУ</i>	Анализ факторов приграничного сотрудничества с целью повышения конкурентоспособности малых и средних предприятий г. Санкт-Петербург
<b>14:10</b>	<i>Шнейдер Александра Олеговна, студентка Высшей инженерно-</i>	Приграничное сотрудничество как фактор повышения эффективности деятельности малого и среднего предпринимательства г. Санкт-Петербург

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	<i>экономической школы, СПбПУ</i>	
<b>14:20</b>	<i>Схведиани Анги Ерастиевич, ассистент Высшей инженерно-экономической школы, СПбПУ</i>	Анализ и идентификация структуры навыков на рынке труда
<b>14:30</b>	<i>Корсукова Анна Дмитриевна, сертифицированный коуч Российского Экспортного Центра</i>	Оценка результатов исследования барьеров приграничного сотрудничества
<b>14:40</b>	Лебедева Е.Н., Дюков И.И., Тихомиров А.Ф., Кудрявцева Т.Ю., Схведиани А.Е., Корсукова А.Д., Леухина М.С., Шнейдер А.О.	Дискуссия о дальнейших планах исследования по проекту INCROBB

**14:00 - 18:10** – Sections: "Industrial, service and agricultural digitalization", "Economic efficiency and social consequences of digital innovations implementation", "Digital transformation in financial and government sectors" and "Regional innovation systems and clusters"

Section Chairman - Liubov Pokrovskaya, Ph.D. in Economics, Associate Professor at the Graduate School of Industrial Economics, Peter the Great St. Petersburg Polytechnic University

<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
14:00	Olga Arkadeva	Digitalization in state financial risk management
14:10	Mariya Volik	Features of automation of business processes of interaction with customers
14:20	Mikael Galustyan	Improving the Profitability of a Private Investor by Mastering Digital Trading Skills in the Face of Digital Transformation of Stock Markets
14:30	Elena Piskun	Financial Support for Business Entities in the City of Sevastopol
14:40	<b>Liubov Pokrovskaya</b>	SCIENTIFIC AND PRACTICAL RECOMMENDATIONS FOR OUTSOURCING OF LOGISTICS ACTIVITIES
14:50	Aleksandr Volodin	Modern Social and Political Challenges and Mechanisms of their Leveling Using Advanced Digital Technologies
15:00	Olga Nezamova	The role of marketing in increasing competitiveness of the region

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15:10	Alena Rozhkova	Bank's personnel as a tool for improving its competitiveness
15:20	Kichigin Oleg	Analysis of Russian and World Experience in Solving Problems of Waste Management at the Regional Level
15:30	Tatiana Feofilova	Countering illegal withdrawal of funds abroad
15:40	Paul Krivulia	Competitiveness of R&D and project offices as a corporate innovative systems
15:50	Natalia Sycheva	Actualization of Environmental Education as an Innovative and Digital Resource for Sustainable Regional Development
16:00	Natalia Pokrovskaia	Determinants of Tax Capacity for a Territory (Case of Russian Federal Districts)
16:10	Liudmila Guzikova	Depreciation in the Context of Pricing in Digital Economy
16:20	Nikita Tribunskii	APPLYING THE ANALYTIC HIERARCHY PROCESS TO DECISION MAKING ON THE DEVELOPMENT OF URBAN ENERGY SYSTEM
16:30	Marina Efremova and Ekaterina Koroleva	Assessment of digitalization of leading universities in Russia
16:40	Evstratov Alexander	Regional Specifics of Affordability of Higher Pharmaceutical Education in the Russian Federation
16:50	Artem Evseev	Digital activity of industrial enterprises in the context of ensuring sustainable economic development of territories
17:00	Natalia Alekseeva	Efficiency assessment and research of the internal risks in the innovation-active industrial cluster
17:10	Anastasia Sharopatova	Forming a development strategy of the information resources in an agricultural organization
17:20	Kirill Lavrenyuk	Fuzzy Approach for the Formation of an Optimal Portfolio of Strategic Projects to Achieve Regional Development Targets
17:30	Tatiana Mokeeva	Development of an Optimization Model for the Formation of an Innovative Project Portfolio per Stages of the Life Cycle
17:40	Igor Lyukevich	Digital experience: how to find a tool for evaluating the business economic risk
17:50	Leukhina Maya	Analysis of factors of cross-border cooperation in order to increase the competitiveness of small and medium-sized enterprises in Saint-Petersburg
18:00	Darya Kryzhko	Developing and testing an algorithm for identifying future innovative areas of research in conditions of digitalization (on the example of the medical sector)



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18:00	Angi Skhvediani	What agglomeration externalities impact the development of the hi-tech industry sector? Evidence from the Russian regions
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