Business program

KAZAN HALL ~ October 21 ~ Digital human

DIGITAL NATION. HUMANTECH AS BASIS FOR SUSTAINABILITY

Official opening ceremony

KAZAN HALL, October 21 10:20 — 10:48

Speakers

Arkadiy Dvorkovich
Skolkovo Foundation,
Foundation Chairman

Viktor Vekselberg
Skolkovo, Chairman of the
Board of Directors

Maxim Akimov
Government of the Russian
Federation, Deputy Prime
Minister of the Russian
Federation

Mikhail Kotyukov
Ministry of Science and Higher
Education of the Russian
Federation, Minister

The signing of a partnership agreement between Skolkovo Foundation and Rosseti PJSC

KAZAN HALL, October 21 10:48 — 10:50

Speakers

Viktor Vekselberg
Skolkovo, Chairman of the
Board of Directors

Maxim Akimov
Government of the Russian
Federation, Deputy Prime
Minister of the Russian
Federation

Pavel Livinskiy
Rosseti, Director General

Techno-optimists vs Techno-Skeptics. Shaping the Request for Innovations

KAZAN HALL, October 21 11:00 — 12:00

The issue of uncertainty is the key point about technology in modern society. Despite the seemingly obvious demand for new technologies and the belief in their limitless possibilities, the attitude to innovative development is ambiguous. According to the results of the recent study of sociocultural factors of innovative activity of the population, most Russians believe that the achievements of science and technology make life easier and more convenient, and in the long run will solve many problems. At the same time, people's unwillingness to use new technologies or distrust of them can slow down the spread of innovative solutions, and even influence the scientific and technological development of society in general.

The concern of the technological impact on a society is not new, but in a modern oversaturated information environment, evidence-based conclusions are increasingly threatened by convinced techno-skeptics. In the world of post-truth, innovative leaders are forced to defend the scientific method and expand public involvement in the technological agenda, defining the ethical and institutional foundations for the perception of new technologies.

• Is humanity ready for technologies that promise to change the world?
• Can we talk about the massive demand for innovative development in society? Who shapes this demand?
• What sociocultural factors form the prerequisites for broad support of the vector for technological and scientific development?
• How is technology confidence built?
• Who is responsible for the consequences of innovation?

With support of RVC

Speakers

George Held
Beeline, CDO

Alexandr Povalko
RVC, CEO

Mikhail Gelfand
Institute for Information Transmission Problems RAS, Deputy Director

Dmitriy Peskov
Special Representative of the President of the Russian Federation in Digital and Technological Development, -

Alexandr Auzan
Faculty of Economics at Lomonosov Moscow State University, Dean

Ivan Yamshchikov
ABBYY, AI-evangelist

Andrey Sebrant
Yandex, Director, Strategic Marketing

Saied Reza Ameli
Council of the Cultural Revolution I.R. Iran, Secretary Supreme Councilof the Cultural Revolution I.R. Iran

Alexei Grinbaum
CEA-Saclay, Researcher

Moderator

Ekaterina Kumanina
RVC, Director of department for strategic Communication

Australia – Russia. Digitalk

KAZAN HALL, October 21 12:15 — 13:15

Coming soon

Technological presentation of the Moscow innovation cluster: marketplace for technology entrepreneurs

KAZAN HALL, October 21 13:30 — 14:30

Coming soon

Z: Decoding profile of Generation Z consumer and behaviour

KAZAN HALL, October 21 14:45 — 15:45

Virtual reality, high-tech gadgets, online services and mobile information are common elements of the Generation Z's everyday routine. To them, digital reality is not a result of the revolutionary transformations, but the present in which they were born.

These young people are already have powerful market influence, and soon they will become job seekers, active consumers of goods and services. The sooner the market learns how to interact with and attract them, the smoother the process of integration of the generations will be.

- What is "clip thinking", what are its pros and cons?
- What are the value orientations of the new generation?
- Can "Z's" absorb information like previous generations did?
- What new teaching methods are there for children of the digital generation?

Speakers

Natalia Khvan
PepsiCo Russia and BUCCA, HR vice president

Ekaterina Cherkes-zade
«Universal University», Director

Jane Treadwell
World Bank, Lead Digital Development Specialist

Tomas Casas Klett
University of St. Gallen, Director China Competence Center and Assistant Professor

Moderator

Pekka Viljakainen
Skolkovo Foundation, Advisor to the Chairman of the Board of Directors

Ethical dilemmas. Digital identity in modern society

KAZAN HALL, October 21 16:00 — 17:00

The more tasks we delegate to machines and artificial intelligence , the more we have to deal with "soulless" algorithms. Artificial intelligence adds a new dimension to these issues. Systems using AI technology are becoming more autonomous, and the motives behind interactions of the digital and real world are getting more complex. Is there a global threat here? With respect to the morality of an individual, can we assert that AI should have moral reasoning? Is it even possible to formalize ethics and build an absolute code?

Speakers

Arkadiy Dvorkovich
Skolkovo Foundation,
Foundation Chairman

Oksana Tarasenko
Ministry of economic
development of the Russian
Federation, Deputy Minister

Steve Crown
Microsoft, Vice President

Valeriia Zabolotna
Sberbank Corporate University,
Dean

Moderator

Ryan Chilcote
Ryan Chilcote Productions Ltd,
Founder

The finals of the innovations in education competition (KIvO) 2019

KAZAN HALL, October 21 17:15 — 18:15

В 2019 году Конкурс Инноваций в Образовании (www.kivo.hse.ru) проводится в шестой раз. Главная задача конкурса – выявить низовые инновации и предоставить материальные и нематериальные условия для их развития и применения в образовании и социальной практикею. Для участия в Конкурсе нет возрастных и профессиональных ограничений, к заявки могут подать как команды, так и индивидуальные авторы образовательных проектов.
В 2019 году на КИвО была подана 601 заявка, в акселератор Летней школы отобраны 28 команд, в финал вышли 10 проектов. Организаторами конкурса являются Институт образования НИУ ВШЭ и «Рыбаков Фонд» при поддержке Агентства стратегических инициатив.

Финал конкурса представляет собой динамичную питч-сессию и презентацию лучших инновационных образовательных решений 2019, на представление каждого из которых отводится 3-5 от минут. Финал включает голосование жюри и выбор победителя-получателя главного приза, а также номинаций от партнёров. Предусмотрено также зрительское голосование. Главный приз конкурса – тревел-грант в любую точку мира для глобального нетворкинга, обмена опытом и представления своего проекта иностранным инвесторам или вероятным партнёрам.

Speakers

Andrey Galiev
Russian Textbook Corporation,
Vice-president

Victoria Kopylova
Prosveshcheniye, Product vice-
president

Ekaterina Ribakova
Rybakov Foundation, President

Business program

ATRIUM STAGE ~ October 21 ~ Digital human

DIGITAL ERA PSYCHOLOGY

Crypto people. Living in a tokenized world

ATRIUM STAGE, October 21 11:00 — 11:30

Speaker

Changpeng Zhao
Binance, CEO

Business Skills of the Future

ATRIUM STAGE, October 21 11:30 — 12:00

Keynote session

Speaker

Andrei Sharonov
Moscow School of Management
Skolkovo, President

Feminine Tech. Women's leadership in digital

ATRIUM STAGE, October 21 12:00 — 12:20

Keynote session

Speaker

Kristina Tikhonova
Microsoft Rus, President

In Web We Trust.Trust and Security in the Internet

ATRIUM STAGE, October 21 12:20 — 12:40

Keynote session

Speaker

Ilya Sachkov
Group-IB, CEO

Keynote session

ATRIUM STAGE, October 21 12:40 — 13:00

Keynote session

Speaker

Pierre Fautrel
Obvious, Director

How Big Data saves lives?

ATRIUM STAGE, October 21 13:00 — 13:20

Keynote session

Speaker

Hans-Aloys Wischmann
Philips Research, Head of Data
Science and AI

Live music of artificial intelligence

ATRIUM STAGE, October 21 13:20 — 13:40

Keynote session

Keynote session

ATRIUM STAGE, October 21 13:40 — 14:00

Keynote session

Speaker

Davide Quayola
Quayola, Media artist

Is VR the new Opiate of the Masses?

ATRIUM STAGE, October 21 14:00 — 14:20

Keynote session

Speaker

Bob Cooney
Bob Cooney, Author, Speaker,
Entrepreneur

Keynote session

ATRIUM STAGE, October 21 15:00 — 15:30

Speaker

Jasen Wang
Makeblock, CEO

Cluster talks. Moscow and the world. Success stories

ATRIUM STAGE, October 21 15:30 — 16:30

Coming soon

Moderator

David Rowan
Wired, Главный редактор

III International Green Mobility Awards Ceremony 2019

ATRIUM STAGE, October 21 16:30 — 18:00

The international GREEN MOBILITY AWARD was established in 2017 as part of the Nordic Council of Ministers' Project "Green Mobility – towards Clean, Healthy and Accessible Environment" (Green Mobility). The award is annually given to the cities and experts, who implement innovative projects and sustainable development strategies aimed to improve urban mobility, reduce greenhouse gas emissions and air pollution, and create comfortable, accessible, attractive and green public spaces.

Traditionally, the Awards Ceremony ends with a panel discussion involving laureates 2019 and invited experts. This year's main topic of the panel discussion – Transforming Our World Together for the Good of People and the Planet – will help to focus on the 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals.

Organizers: Gehl Architects, Skolkovo Foundation, ICSER Leontief Centre, Green Mobility Initiative

Speakers

Dirk Hilbert
Dresden, Mayor

Elena Belova
Leontief Centre, Secretary
General of ICSER Leontief
Centre, Green Mobility Initiative
Coordinator

Business program

Witte ~ October 21 ~ Digital human

DIGITAL HABITAT

Opening of the track DIGITAL HABITAT

Witte, October 21 11:00 — 11:15

The human habitat is ever-evolving in response to digitalization. It affects infrastructure, transport, communications, and leisure, as well as consumption habits. The Moscow Urban Forum track focuses on the discussion of how technology affects urban spaces and city dwellers, which opportunities are created by technology to enhance the quality of life for people living in cities, and which urban life trends are the important ones for technology businesses to consider.

Speaker

Denis Boykov
Moscow Urban Forum, CEO

Disrupt the city. What makes a 'superstar city'?

Witte, October 21 11:15 — 12:15

World experience demonstrates that technology and innovations help cities transform and become global development centres. Such cities include Singapore, which is well-known for introducing smart technologies into the urban environment, Tokyo – for its high-speed transport, and Dubai – for its investments in construction technology. Introducing high-tech innovations allows building first-class urban infrastructure, creating comfortable living conditions, and saving resources. Such megacities are leading global development, setting the trends and demand for new technological services and products.

Which cities have become superstars through the use of technology?

- How do cities interact with business and technology corporations to drive technological development?
- How do cities create breakthrough technologies?
- What technologies make Moscow a leader in urban development?

Speakers

Edward Lysenko
Department of information technologies of Moscow, Minister of the Government of Moscow, head of the Department

Vicente Guallart
HSE Shukhov Lab Laboratory for Experimental Urban Design, Head

Eduard Gurinovich
CarPrice, Founder

Andrei Kuzyaev
ER-Telecom Holding, President

Dirk Hilbert
Dresden, Mayor

Randeep Sudan
Multiverz Pte. Ltd., Founder

Moderator

Natalya Trunova
Fund Center for Strategic Research, Vice President of the Center for Social Development, Head of Spatial Development

Race of Megacities. Who will be the first to create a new transport market?

The transport sector is in the midst of a digital revolution: micromobility, sharing services and drones promise to change the entire mobility infrastructure in major cities. Major megacities are in a race to create the most efficient and appealing transportation system: they are investing in infrastructure, support innovations and technological developments to maintain their leading positions on the international arena. Such a race directly impacts the development of a city's transportation business and the user experience of its residents: new maps and new kinds of transport appear; the need to have your own car decreases; and public transport becomes more mobile and accessible.

- How does digitalisation alter the transport market?
- How does the introduction and proliferation of advanced technologies impact the user experience?
- What technologies will disrupt the transport market and transport infrastructure in the coming years? Are cities prepared for such a disruption?

Speakers

Muhit Seidahmetov
Delimobil, CEO

Olga Uskova
Cognitive Technologies,
President

Pavel Kozlov
HERE Technologies, Business
Development Director, IoT

Moderator

Aleksandr Polyakov
MosTransProekt, Director

Urban Health: Status of a Healthy City and a Healthy Citizen

Witte, October 21 13:40 — 14:40

A healthy environment is one of the key aspects of the quality of life in a modern-day megacity. To improve the urban environment and combat diseases, cities are implementing sustainable development programs and directing all their resources and departments to work on the urban environment. The health of citizens is affected by many factors, including planning decisions, transport, lifestyle and pollution. Technologies provide a broad spectrum of monitoring, analytical, and gamification tools to maintain a healthy lifestyle.

- How do technologies contribute to creating a healthy urban environment and motivating citizens to follow a healthy lifestyle?
- Which technological solutions are the most popular today – environmental monitoring, wearables, telemedicine or design software? What is widespread in Russia and Moscow, and what kind of solutions are lacking here?
- Who are the key players on the urban health market today? How can incumbents leverage technologies to improve their efficiency?

Speakers

Artem Goldman
Venture Bot, Investor

Yury Krestinskiy
Sberbank, Advisor, Healthcare Industry

Michael Yugay
Moscow International Medical Cluster, CEO

Evgeny Ganshin
Aerostate, Product & BDO

Moderator

Mark Sanevich
BestDoctor, CEO

Diversity agenda. Business as a vehicle for inclusion in a city

Witte, October 21 14:50 — 15:50

Inclusion is no longer just about the image of a company or a city. Rather, it is a business imperative, as it allows attracting new talent, increasing loyalty and engagement among consumers, employees and citizens. A study performed by the World Economic Forum confirms that corporations working on diversity policies are 30-35% more innovative and competitive than an average company on the market. There is also a direct link between the global influence of cities and their inclusion level. Unlike cities, companies have a wider range of targeted tools at their disposal to implement an inclusion policy. As for major companies, their solutions are by default scaled to an entire city.

- How does a diversity and inclusion policy contribute to effective development? Why are corporations and cities increasingly focusing on creating diverse and inclusive environments?
- What tools are available to corporations in this regard? Which practices could be adopted by cities?
- Is inclusion particularly important for the technology sector? How, on the other hand, do technologies help companies and cities become more inclusive?

Speakers

Maria Levitskaya
Sberbank, Head of "Special Bank" project

Denis Kuleshov
Sensor-Tech, Director General

Alexey Lyubimov
Institute of correctional pedagogy, senior researcher

Alyona Svetushkova
Philtech Initiative, Founder Partner

Moderator

Valeriya Kurmak
AIC, Director of Human Experience practices

Park or Social Network? Hybrid Spaces in Modern Cities

Witte, October 21 16:00 — 16:50

It is not uncommon nowadays to see people in a crowded public place not communicating with each other, but rather reading or typing something on their smartphones. Such urban spaces, where people interact both with the physical and virtual environments, are called hybrid spaces. The emergence of these types of spaces has been largely criticised, as they disconnect people and prevent direct communication. However, urban space planners can use these technologies to diversify user scenarios for specific territories, create urban communities on social networks, and promote parks and squares via Instagram or Facebook.

- How do advanced technologies alter our ways of interacting with the urban environment?
- How can city authorities and public space designers leverage the potential of media technologies?
- How do media technologies create real communities around public spaces?
- How can media technologies help promote public urban spaces?

Speaker

Sergey Kuznetsov
Committee for architecture and urban planning of Moscow, Chief architect of Moscow

Personality index. State, business or a man – who will make money from it?

Witte, October 21 17:00 — 18:15

Digital transformation is an objective trend of the 21st century permeating all spheres of society. People in the process of their daily activities constantly generate large amounts of data: when making purchases, moving around the city, interacting with the state, etc. Still, being producers of this data, they do not always recognize the value of bid data. Only a few companies use this data as their main competitive advantage and successfully monetize it. However, big data is also of interest to the state - as the main tool for implementing social management in the era of digital transformation.

- Are companies ready to share data as their competitive advantage with other actors, including the state?
- Who is the ultimate beneficiary of big data dissemination: individual, business, state?
- Is it possible to harmonize the big data analysis system into a single format of national social ratings?

Speakers

Aleksandr Tyahov
CityLife, Board Member

Andrei Prokhorovich
Eurasia Development, CEO

Evgeny Olkhovich
Rosseti, Deputy General Director for Strategic Development and Technological Innovations

Moderator

Leonid Kovachich
Sputnik news agency, senior editor

Business program

Smith ~ October 21 ~ Digital human

OI Tutorial of living in the digital era

Successful failure. The key to leadership failure

Smith, October 21 11:00 — 12:00

Workshop

Speaker

Stuart Lawson
EY, Senior advisor, board
member Skolkovo Ventures

Finding ZOPA. Lost in negotiation

Smith, October 21 12:00 — 13:00

Workshop

Personal branding in digital era

Smith, October 21 13:00 — 14:00

Workshop

Speaker

Michael Gibson
British Higher School of Art and
Design, Lecturer

Gender in Marketing. Searching for the balance

Smith, October 21 14:00 — 15:00

Workshop

Global Leadership

Smith, October 21 15:00 — 16:00

Workshop

Speaker

Steven John DeKrey
Hong Kong University of
Science and Technology,
Associate Dean and Adjunct
Professor

Startup and corporation. Hype or a business need?

Smith, October 21 16:00 — 17:00

Speakers

Claire Ruskin
Cambridge Network, Director

Aleksandr Bedenkov
AstraZeneca, AstraZeneca

Ilya Goldt
New Industry Ventures LLC,
Partner, Managing Director

Moderator

Evgeny Sheenko
Skolkovo Foundation, Head of
strategy

How to interact with the youth of the Millennium generation

Smith, October 21 17:00 — 17:45

Самая большая разница в сценариях и моделях поведения возникает у двух соседних поколений. В управлении сейчас много Иксов (1964-1984 г.р.), они управляют компаниями, внедряют инновации. Самые большие сложности возникают во взаимодействии с Миллениумами (1985-2002 г.р.). Непонятно многое: правда ли они хотят менять мир, что их привлекает и что отталкивает в компаниях, как современным лидерам договариваться с Миллениумами.

Speaker

Evgeniya SHamis
"Sherpa S Pro", RuGenerations,
Founder, CEO

Business program

Digital Art

New language. Digital art as a mediator in the machine-human dialogue

Weber, October 21 11:00 — 12:15

"Art&Science in Skolkovo" project with the support of Moscow Polytech present:

New language. Digital art as a mediator in the machine-human dialogue

Human has long been trying to negotiate with machines to "tame" superpowers and continue to lead this complex world. On the agenda for discussion is the vector of digital human development. Scientists, Skolkovo resident developers, media artists, curators of technological art exhibitions will talk about how communication is organized today: human-human, human-machine, machine-machine. In the "smart world" a new language and a new ethics are born, but it is culture that will remain the environment that helps homo sapiens not to turn into homo cyborg.

- What roles will remain for a human after total robotization?
- Communication in VR and AR - what is the feature?
- How to keep "human" in the era of big data and sensory marketing?
- Can artist predict the future?

Speakers

Denis Kuleshov
Sensor-Tech, Director General

Igor Trapeznikov
vOICe vision, CEO

Ilya Volnov
Moscow Polytech, Center Director

Nikita Bukreev
SensoryLAB, CEO

Alexei Shulgin
Rodchenko Art School, Teacher

Moderator

Elena Demidova
Moscow Polytechnic University, curator of art&science project

Museum in digital. Going beyond the limits

Weber, October 21 12:30 — 13:45

Wander through the halls of the Pushkin Museum in the company of Alice voice assistant, telling you about the Impressionists, or see how the interiors of the Palais des Papes in Avignon looked in real time using AR and 3D? Today, modern museums are trying to use all possible methods of conveying information to visitors, turning a passive spectator into an active participant, who not only contemplates, hears, feels, plunging into a new space, but also chooses a trajectory, plots and actions.

Nevertheless, the use of high technology solutions in museum institutions is much wider. In addition to the multimedia support of the analogue exhibition and the creation of the museum's virtual space with the help of neural networks and face descriptors, you can trace how visitors move and interact with the exposition. In addition, thanks to digitization and modern methods of storing and "freezing" data, virtual archives and digital funds are created, accumulating huge masses of materials at one point, becoming available to the general public worldwide.

- Rethinking the museum institution in digital reality. How not to lose identity?
- Virtual museum. Will the original piece of art lose value?
- High-tech solutions and communication potential of museum projects
- New life of intangible heritage. Study, preservation and popularization
- Omnichannel. Choosing the language to speak about art

Speakers

Irina Smirnova
Panasonic Russia, curator of projects in science, education and culture

Aleksandr Lavrov
Next.space, COO

Egor Yakovlev
izi.TRAVEL, development director

Ulvi Kasimov
.ART, Founder

Elena Slivko-Kolchik
Microsoft Rus, Education Lead

Vadim Vankov
Ministry of Culture, Director of information and digital development Department

Dmitriy Gusev
Big Museum, CEO

Moderator

Vladimir Opredelenov
The Pushkin State Museum of Fine Arts; HSE University, CDTO; the Head of the Department of Information Technologies in Culture

AI for the price of a masterpiece. Inhuman art

"Look at the future – here it is", – this is how the painting "Portrait of Edmond Belamy" was announced, which was the first work completely created by AI sold at an auction. To generate the image, one part of the algorithm used by the French art group Obvious analyzed the source data and formed their own images on the basis of them, and the second tried to detect the difference between the works created by people and artificially generated paintings. Having analyzed 15,000 paintings dating from the 14th through the 20th centuries, the algorithm created its own piece of art.

The work went under the hammer at Christie's for 432 thousand dollars, putting behind masterpieces of first class artists, thereby causing a resonance among the participants of the world art community and becoming the subject of lively discussion about creation, attribution and pricing of AI artworks.

- Can we talk about the legitimization of AI in the art community and the emergence of a new movement?
- How far can a collaboration of natural and artificial intelligence go?
- Who owns the copyright for creating algorithms?
- Will AI change the balance of power in the art market?

Speakers

Ekaterina Dolinina
Christie's Russia, General Manager

Pierre Fautrel
Obvious, Director

Moderator

Mikhail Kamensky
Russian Academy of Fine Arts, full member

Digital Art. New means of expression

Weber, October 21 15:30 — 16:45

Digital technology has become an integral part of the modern creative and presentation process. Digital Art has been developing since the 1970s worldwide. They called it differently: "computer" or "multimedia" art. Today it unites under a broader umbrella concept – New Media Art.

It appeared to be controversial. On the one hand, digital technologies have enriched creativity with new techniques, forms, methods. On the other, there is skepticism and resistance to the growing influence of digital technology on art. Will Digital Art or New Media Art be the foundation of creative expression?

Speakers

Mikhail Levin
British Higher School of Art and Design, Course director for Contemporary Art

Nikita Rodichenko
Tsuru Robotics, CTO

Katya Inozemtseva
Garage Museum of Contemporary Art, Senior curator

Davide Quayola
Quayola, Media artist

Denis Semenov
SaintDenis, Founder

Dmitry Galkin
Tomsk State University, Professor

MusicTech. Is AI the new star of the big scene?

Weber, October 21 17:00 — 18:15

AI captures all new areas and areas of technology. The next thing that seemed not subject to an unemotional machine was the music industry. Major market players are already using neural networks to write music. AI helps musicians find a new sound, simplify the process of creating a composition, integrate music into modern media. With the development of technology in this area, the potential of computer music is growing, and unconventional opportunities are opening up for the generation of unusual sounds. The program uses machine learning algorithms to generate individual sounds and samples, thus turning the process of creating music into a "one-click" process.

- Is "math" enough to create a work of art?
- Can technology completely replace a musician. Or is this just another creative tool?
- Is it possible to "digitize" inspiration?

Speakers

Drew Silverstein
Amper Music, CEO

Andrey Krichevsky
IPChain, President of association

Konstantin Narhov
Chaos Laboratory project, Co-founder and partner

Business program

Plekhanov ~ October 21 ~ Digital human

PHILANTHROPY AND TECHNOLOGIES

Tech for good. Socially-responsible Technologies

Plekhanov, October 21 11:00 — 12:15

The world is undergoing a radical social transformation and we witness how public and private sectors are developing and adapting to these changes. Although the efforts aimed at social impact on both sides were catching up at slower pace so far, respective activities are considered to play a very important role in the development of the economy.

Experts forecast that within the next 10 years the market of tech philanthropy will experience an unprecedented growth. Most of the corporations are already legally required to consider the impact of their work on employees, customers, partners, society and the environment. It becomes evident that the sector where businesses employ technology, IT products and digital services in order to solve socially important problems will become one of the key factors of economic growth in the long run.

- What types of philanthropy`s projects are currently demanded by the market? Of those, which have already been implemented in Russia?
- What technologies are using in charity?
- What challenges hamper the development of the sector?

Speakers

Andrey Shpak
SKOLKOVO Moscow School of Management, Head of Research and Advisory, SKOLKOVO Wealth Transformation Centre

Anna Yanchevskaya
Sistema Charitable Foundation, President

Aleksandra Boldireva
Russian Donors Forum, Executive director

Aleksei Parshikov
CityLife, CEO

Irina Efremova-Garth
IBM, Head of CSR IBM Russia/CIS

Svetlana Ivchenko
Norilsk Nickel, Director of the Department of social policy

Moderator

Ekaterina Donskikh
Charitable Foundation "AiF. Kind heart", CEO

Win-Win. How to make money on a socially oriented business idea?

Plekhanov, October 21 12:30 — 13:45

Today, interest in social business of small and medium-sized entrepreneurs has grown significantly. In the world, government support for social entrepreneurship is also becoming a common practice. If traditionally business success was estimated based on sales volume or stock value, then in the case of social business, the main criterion is the solution of social problems that contribute to social transformations. Socially oriented business not only stimulates social changes, but is also beneficial from the point of view of economic feasibility. As the examples of the last 5 years show, this type of entrepreneurship is not only profitable, but also self-supporting.

- What is the difference between "entrepreneurship" and "social entrepreneurship"?
- Can a double benefit be derived from a socially oriented business?
- Are there any qualitative indicators of social effect?

Speakers

Aleksandr Fudin
Charitable foundation "Help needed", Head of publishing projects

Ekaterina Ribakova
Rybakov Foundation, President

Business-dialogue "Russia-Europe". The territory of high-tech cooperation

Plekhanov, October 21 14:00 — 15:15

Europe is known as a global socially-responsible technology leader. To transform the economy and to generate new and sustainable competitive advantages, the European business is transitioning to a low-carbon, more resource-efficient, circular economy. Digital devices, namely sensors, transmitting, data collecting and computing power units could drastically help to optimize manufacturing processes for the sake of environment and to reduce impact on climate change. This transition is not only an opportunity for businesses and citizens, but a necessity from environmental, economic and social perspectives to move towards a more productive, and sustainable economy.

- European manufacturing and digital technologies for sustainable development
- Societal perspective of implementing new technologies
- Digital technologies for sustainable development

Speaker

Vakhtang Partsvania
Scania Rus, Head of Sustainability & Government Relations

Careful Consuming and Manufacturing. Business and Nature Tandem

Plekhanov, October 21 15:30 — 16:45

The current stage of socio-economic development of leading countries is characterized by the intensification of relations between the state, business and society. An important task is to search for tools and mechanisms to achieve agreement between stakeholders in the field of environmental management and environmental protection.

Involving the commercial sector in solving acute environmental problems allows achieving greater efficiency, pooling resources, and improving results. Today we see how, in terms of forming business priorities, companies are moving away from a closed system that solves the internal tasks of "economic survival" to recognizing the priority of balanced interaction with the development environment, including compliance with environmental quality requirements.

- What are the current trends of business participation in solving environmental development issues?
- What environmental issues are considered most significant for companies around the world? What are the best practices in the world?
- What barriers do companies face?

Speakers

Angus Colvin
British Higher School of Art and Design, Program Leader Design Crafts Programmes

Dmitry Bogdanov
Social Projects Support Fund, Head of department

Aleksei Kiselev
Greenpeace Russia, Unit Head for Toxics

Moderator

Konstantin Polunin
BCG, Partner and Associate Director, Head of Business Development for Public Sector Practice Area

Business program

Keynes ~ October 21 ~ Digital human

EDUCATION AND COMPETENCE OF THE FUTURE

Leaders of the Digital Age. Theory and Practice of Transformation of Business Leaders

Keynes, October 21 11:00 — 12:15

Digitalisation is changing the business and restructuring entire sectors, demanding not only organisational transformation, but also leaders who are ready for the changes necessary to maintain a stable market position. The leaders of digital transformation are innovators and visionaries who convert their technological advantages into investments, leaving behind the 'dinosaurs' that cannot adapt to an ever-changing environment. Meanwhile, success of any technological transformation primarily depends on the human factor: the leader's ability to develop constantly and manage changes, readiness for experiments and decision-making in a situation of high uncertainty, as well as for approbation of new approaches to people management and their own life and work balance.

- What are the components of digital transformation?
- Cases of implementation of digital transformations and challenges they have set for leaders of these changes
- What is a digital transformation team? What are the key competences of its members?

Speakers

Agnes Ritter
Severstal, CTO

Yakov Sergienko
McKinsey and Company CIS, Senior Partner

Stefanos Gialamas
American Community Schools of Athens, Greece, President

Moderator

Nikolay Verkhovskiy
Moscow School of Management "SKOLKOVO", Executive Director "Digital Translation Center", professor of practice, project work director

Education on-demand tools. Human capital technologies and platforms

Keynes, October 21 12:30 — 13:45

Worldwide education is faced with powerful challenges related to digital transformation. The structure of demand is changing, the geography of students, requirements for the service, business models. These changes led to a serious change in the structure of the proposal: small, but modern and relevant EdTech companies are becoming more attractive, and the classic world-famous universities, yielding in competition with them, are actively mastering educational technologies and changing educational processes. The key to global educational markets is easily scalable, customizable solutions and platforms that can quickly update and adapt to the national specifics of consumption of educational services.

- How are platform projects changing the educational industry?
- What educational methods are already more effective in online format?
- Will an individual educational trajectory become the norm for the formation of the future?

Speakers

Yaroslav Kuzminov
National Research University Higher School of Economics, Rector

Dmitrii Voloshin
Otus, Cofounder

Mike Feerick
Alison, CEO

Maxim Spiridonov
Netology group, CEO

Alevtina Chernikova
MISIS, Rector

Alexandra Glazkova
BIOCAD, Vice-president

Lucian Cosinschi
Digital Education Holdings, Chief Experience Officer

Moderator

Alexandr Povalko
RVC, CEO

Chercher un professionnel. New trends in personnel assessment and development in the epoch of corporate transformations

Keynes, October 21 14:00 — 15:15

Talent today is one of the main resources for development and growth of a company. Business owners and managers set ambitious tasks for evaluating and developing staff within an organisation. By setting high expectations on the wrong person, a company may incur reputation costs and financial losses, and vice versa, underestimating one employee's potential and not providing him with proper development opportunities might lead to losing him. With the benefits of the rapid technological progress, more and more innovative methods have emerged for assessing and recruiting staff, data begin to play an increasingly important role in assessing and building individual tracks for staff development. Among new methods of employee assessment are neuro-assessment based on analysis of the brain work during fulfilment of certain tasks and digital footprints analysis.

- What is the role of technologies in modern HR practice?
- What are the opportunities and risks of the technological progress?
- Where is the ethic boundary of using new technologies in staff assessment and selection?
- Classical HR approaches to assessment of competences and innovative methods: opposition or cooperation?

Speaker

Jaroslav Slobodskoy-Plyusnin

Moscow School of Management Skolkovo, Head of assessment

Moderator

Marina Karban

Moscow school of management Skolkovo, Director Executive Education

New people in education. Be innovative, be digital, be committed

All around the world and in all segments education is actively transforming today. In the perimeter of formal education systems, the "new people" appear - innovators in education. Their projects often offer training in areas that are not covered by official national programs, the approaches and methods used do not fit into the pedagogical practices of long standing, and the ways of interacting with customers are fundamentally different from traditional ones. Most innovators are forced to overcome the resistance of formal education systems, the distrust of parents and critical perception from investors. This significantly slows down the integration of these "agents of change" in the transformation of education.

- What should be the request from formal education system to innovators in the interests of developing the entire education system in Russia? What is the experience in other countries?
- What skill set should innovators themselves develop in order to be attractive partners for government, business & society?
- What should be the infrastructure for supporting grass-roots innovation in education? Are existing ecosystem capabilities sufficient?

Speakers

Neil O'Toole
EDvisor Finland, COO

Alexey Shapovalov
Prosveschenie, vice-president

Andrey Selskiy
ANO Data Economy, Director, people and education

Ekaterina Ribakova
Rybakov Foundation, President

Aleksey Gusev
RVC JSC, Director for Innovative Ecosystem Development of RVC JSC

Actually vs Virtually. Role of AR/VR in the education system

Keynes, October 21 17:00 — 18:15

Virtual, augmented and mixed reality technologies are becoming more widespread, not limited to the entertainment industry, which they are traditionally associated with. Today, AR and VR are actively using educational purposes, modern technologies are being introduced in leading universities and corporations. Formats of interactive education are numerous, and their advantages over full-time education are obvious. The transfer of information through virtual and augmented reality is primarily due to the effectiveness of involvement, and the improvement of the educational process. Studies show that using innovative methods in the learning process increase deep understanding and retention of knowledge by 29%.

- What opportunities and risks does AR technology implementation carry?
- What changes does the introduction of information technology in the educational process entail?

Speakers

Denis Timokhin
Sberbank Corporate University, Project director

Vitalii Stepanov
Varwin, Head of development of individual solutions in virtual reality

Moderator

Aleksey Kalenchuk
Skolkovo Foundation, Director of VR / AR and new media direction

Business program

Pareto ~ October 21 ~ Digital human

Telemedforum. Digital healthcare

Global trends in digital healthcare

Pareto, October 21 11:00 — 12:15

Digital technology is one of the priorities in the development of the healthcare sector worldwide. According to Global Market Insights, the global digital medicine market will exceed $379 billion by 2024. Digital technologies are developing rapidly and continue to change right now.

- What digitalization trends exist and which of them will become the main growth points in the coming year?
- How to integrate trends into the country's healthcare system?

Experts from countries actively developing innovative technologies will share their experiences and cases.

Speakers

Michael Yugay
Moscow International Medical Cluster, CEO

Hal Wolf
HIMSS, President & CEO

Roman Bekmansurov
Hadassah Medical, Head of Branch

Evgeny Zaytsev
Helix Ventures, General Partner

Marina Sekacheva
Sechenov University, Director of Oncology institute

Michael Prepelitskiy
Sportidea, founder of the OneTrak project

Nina Kandelaki
GE Healthcare, General Manager

Moderator

Natalya Polushkina
Skolkovo Foundation, Vice-President, Executive Director of Biomedical Technologies Cluster

Legal issues in digital health

Pareto, October 21 12:30 — 13:45

Medicine, like no other industry in the country's economy, is ready for "open innovation." But in the new reality, law becomes not only a tool for digitalization, but also the object of digitalization, therefore, during digital transformation, legal conflicts of legislative regulation are inevitable.

As part of the session, we will discuss regulatory issues in digital healthcare and cases for registering medical software as a medical device. What changes are necessary for the normal functioning of the system and acceleration of new solutions launch on the market?

Speakers

Alexander Panov
Pepeliaev Group LLC, Head of
Life Sciences Practice

Alexander Aronov
Law offices Aronov and
partners, Managing partner

Denis Kachkin
Kachkin & Partners, Attorneys
at Law, Managing partner

Polina Gabay
Faculty of medical law, CEO

Moderator

Igor Drozdov
Skolkovo Foundation, Chairman
of the Executive Board

AI as a digital health tool

Pareto, October 21 14:00 — 15:15

World cases and scenarios of using AI in medicine. What products are introduced and effective in Russia and the world? Is real AI tsunami coming in healthcare? Are projects and solutions of artificial intelligence capable of becoming one of the main drivers of the deep transformation of medicine in the 21st century?

Speakers

Alexander Gusev
K-MIS, Expert

Boris Zingerman
INVITRO, Head of eHealth
department

Sergey Sorokin
LLC "Intellogic" (Botkin.AI), CEO

Anna Mesheryakova
Third Opinion, CEO

Hans-Aloys Wischmann
Philips Research, Head of Data
Science and AI

Martin Ciupa
MindMaze, CAIO

Moderator

Sergey Voinov
Skolkovo Foundation, Head of
Digital Health

IoT in healthcare

Pareto, October 21 15:30 — 16:45

Today, the healthcare sector is a high-tech industry, and the Internet of things is one of the advanced technologies of our era. It is with the Internet of things, which makes a significant contribution to creating a more personalized and patient-oriented medicine, that the high pace of digital transformation and the medical "revolution" are linked. IoMT and mHealth – cases and application features.

Speakers

Igor Shaderkin
Sechenov University, Head of Electronic Health Labs, Institute of Digital Medicine

Michael Fainshtein
Mircod, CEO

Sergey Dyachenko
Shvabe, Advisor to Director

Oleg Medvedev
Moscow State University, Chairman of the Department

Moderator

Natalya Polushkina
Skolkovo Foundation, Vice-President, Executive Director of Biomedical Technologies Cluster

Telemedicine

Pareto, October 21 17:00 — 18:15

Telemedicine is gradually entering our lives. In many countries of the world, e-health technologies are being actively introduced. During the session, we will discuss cases of the introduction of telemedicine technologies in Russia and in the world and the future of telemedicine.

Speakers

Dennis Yudchitz
Online Doctor, CEO

Mikhail Natenzon
R&PC "National Telemedicine Agency", Chairman of Board

Marianna Imenokhoeva
Linktomedicine, Founder

Luiz Ary Messina
RNP Rede Nacional de Educação e Pesquisa do Brasil, Telemedicine University Network Coordinator

Ruslan Zaydullin
DOC+, CEO

Robin Ohannessian
Télémédecine 360, Medical Director

Valery Stolyar
PFUR, Chief of department

Saroj Mishra
Sanjay Gandhi Postgradute Institute of Medical Sciences, Professor & Head

Moderator

Sergey Voinov
Skolkovo Foundation, Head of Digital Health

Business program

Slutsky ~ October 21 ~ Digital human

Round Table

Digital technologies as a source of rapid growth for high-tech companies

Slutsky, October 21 12:15 — 13:15

Российский бизнес в целом уже включился в «цифровую гонку» - в последние годы компании регулярно реализовывали проекты по внедрению цифровых технологий. Пока большинство российских компаний подходят к цифровым технологиям очень прагматично, основной упор делая на то, без чего уже невозможно вести бизнес, не спеша вкладываться в принципиально новые направления. Вместе с тем, есть и примеры эффективной цифровой трансформации отечественными компаниями своего бизнеса. Высокую активность в этом направлении проявляют быстрорастущие технологические компании. Необходимо внимательно посмотреть на их опыт и оценить возможности государства по поддержке реализуемых бизнесом проектов в области цифровизации.

- Какие цифровые технологии применяют быстрорастущие технологические компании сегодня?
- Купить или разрабатывать: дилемма быстрорастущего бизнеса в цифровом мире
- Как оценить эффективность: влияние применения цифровых технологий на экономические показатели бизнеса
- Примеры (кейсы) использования цифровых технологий быстрорастущими технологическими компаниями

Digital Transformation of Government-Business Interaction

Slutsky, October 21 13:30 — 14:45

The global trend of digital transformation of the relations between the state, population and business did not pass by the sphere of support of the private sector by the state and development institutions, including the delivery of infrastructure projects. A large number of special digital platforms for G2B and B2B solutions have emerged, facilitating the interaction of private investors with the public, development institutions, and financing organizations, including with the application of public-private partnership mechanisms. Competing for attracting investors and retaining business, state institutions are thinking more often about creation of special services to facilitate the search of investment offers and sites that simplify the process of obtaining government support measures by the private party, as well as about improvement of communication between market participants.

Given this trend for Russia, as well as for many other countries, the relevant topic is the synchronization of efforts of various development institutions and business associations for creation of effective digital environment of interaction between government and business. The key issues and challenges in this direction include the integration and synchronization of emerging platform solutions, the creation of convenient and efficient services, and the possibility of using public-private partnership mechanisms to create such platforms.

Business program

Open Stage ~ October 21 ~ Digital human

DIGITALKS

Signing ceremonies, presentations, keynote speeches

Open Stage, October 21 11:00 — 12:00

Be inspired! Searching for the technological inspiration

Open Stage, October 21 12:00 — 13:30

Series of keynote speeches on technical creativity and future competencies

• How to involve the younger generation in the innovation environment?
• Where to find and how to motivate technology enthusiasts?
• How can technical creativity be included in educational programs?
• What solutions are used to develop hard and soft skills for engineers and designers of the future?
• Why companies should participate in youth technical creativity projects?

In partnership with RVC

Speakers

Oleksandr Milov
TAKOE, Director

Andrei Teslenko
Mishka AI, COO

Moderator

Natalia Smelkova
RVC, Talents Development
Department, Director

Signing ceremonies

Open Stage, October 21 13:30 — 13:50

Signing of the agreement between Foundation for Assistance to Small Innovative Enterprises and SPSF

Open Stage, October 21 13:50 — 14:00

Superhuman. New technologies erasing borders

Open Stage, October 21 14:00 — 15:00

New technologies are rapidly breaking into our daily lives. Many gadgets are changing its way of life over the centuries. We are starting to unite in virtual communities, this changes the patterns of human behavior, their attitude. A huge amount of information accumulated in digital form allows us to analyze it with the help of neural networks and identify patterns that were previously unknown to us. We have already learned a lot, but in pursuit of the solution of the question "how?", We forget about the significance of the question "why." Within the framework of the session, experts in various fields of life sciences will discuss what awaits humanity in the near future, how society will transform and what place in the future society will be given to man himself.

• How is human consciousness changing in the new technological order?
• Should it be allowed to change human genetic code?
• Will new technologies help extend life?
• How will a person interact with a computer in the future?
• Where is the boundary between man and mechanism?

Speakers

Moderator

Alexandr Auzan
Faculty of Economics at
Lomonosov Moscow State
University, Dean

Vladimir Gubailovsky
Laba.media, Science editor

Elena Grebenshchikova
INION RAS, Head of the Centre

Konstantin Anokhin
Moscow State University,
Institute director

Skolkovo Foundation and Cambridge Network Cooperation

Open Stage, October 21 15:00 — 15:10

Signing ceremony

Junior Talk

Open Stage, October 21 15:10 — 16:00

Junior Talk is an open event where it will be possible to see innovations from students' perspective, to discuss what the Skolkovo innovation center is, what innovations are born here and in what areas they are applied. Why are there educational institutions on the territory of Skolkovo and what is the peculiarity of the school located within the innovation center? What opportunities does Skolkovo provide to students and how can students themselves participate in the innovation movement?

Speakers

Oleg Dubnov

Skolkovo Foundation, Vice President and Executive Director at Energy Efficiency Cluster

Yury Saprykin

Skolkovo Foundation, Vice-President for Regional and International Development

Sergey Dutov

Skolkovo Fund, Business Development Director

Moderators

Oksana Demyanenko

International Gymnasium of Skolkovo, Director

Anastasiya Mikheeva

International gymnasium of the Skolkovo innovation center, Director of Counselling Services&Support

Endowment as an innovative school management tool

Open Stage, October 21 16:00 — 17:00

An endowment, or endowment fund, is incorrectly perceived solely as a financial instrument. At the moment, it is more accurate to consider it as an innovative tool for managing an educational organization, affecting not only content and meanings, but also a conceptual approach. The Endowment Fund allows you to create a loyal community around the school and attract not only financial investments, but also human capital.

Speakers

Irina Abankina

Higher School of Economics, Director of Educational Development

MAKSIM SUDAKOV

IT PARK, Chairman of the board

Oksana Oracheva

Vladimir Potanin Foundation, General Director

Moderator

Elena Zelentsova

Non-commercial organization "Foundation for Development of the Center for Elaboration and Commercialization of New Technologies", Vice-President, the Director of Urban Environment Development

Subcultures, movements, kruzhki and other real drivers of advancement in technology

Open Stage, October 21 17:00 — 18:00

Historically, informal communities have oftentimes served as "incubators" for new fields. In the first half of the twentieth century, kruzhki for aeronautics and reactive motion gave rise to aviation and space science. In these cases, kruzhki formed personnel pools for respective industries. Strong examples can be found in recent history as well, the most successful one being the open source community and, more specifically, the story of Linux.

At the same time, self-organized communities may serve not just as industry staff pools but also as bases for the formation of new B2C markets. In this case, at the first stage, a community forming its own subculture generates a demand limited by the extent of said subculture. But given a successful integration in wider society, elements of subculture make their way into the mainstream and change the structure of wider consumer markets.

During this session, we will discuss which subcultures, communities, kruzhki, and movements could become drivers for development of new fields and markets.

Speaker

Roman Goroshkin
Epic Games, PR&Events
manager

Business program

KAZAN HALL ~ October 22 ~ Intelligent economy

Intelligent Economy

Time for Change. Strategic change management in companies

KAZAN HALL, October 22 09:30 — 10:30

Today the rapid scientific and technical progress makes companies change in order to preserve existing and acquire new competitive advantages. The main feature of the organization of the future will be the constant adaptation to a dynamic external environment and to the process of universal digitalization. These features – such as great flexibility, motivation of teams, desire to diversify and increase of competitiveness – are on the forefront. More and more enterprises will use the technology of the so-called third platform, which determine the vector of changes: clouds, mobile services, big data analytics and social networks. And in order to stay in the loop, companies need to change from the inside, revising their own strategies and management systems on an ongoing basis.

Why all the changes? What actions are needed on a strategic level for an effective change management in a company? How to prepare personnel for the changes? According to which vector are companies changing under the influence of technologies of the third platform? What business strategy meets the conditions of the digital world?

Speakers

James Monsees
JUUL Labs, Co-founder, CPO

Svetlana Balanova
IBS, CEO

Viktor Vekselberg
Skolkovo, Chairman of the
Board of Directors

Maxim Oreshkin
Ministry of Economic
Development of the Russian
Federation, Minister

Rudolf Held
SAP SE, Vice President, Head of
Global SAP Co-Innovation Lab
Network

Dmitry Konov
Sibur Holding, Chairman of the
Management Board

Jane Treadwell
World Bank, Lead Digital
Development Specialist

Oleg Belozerov
RZD, CEO-Chairman of the
management Board

Moderator

Laurent-Pierre Baculard
Bain & Company, Partner

The era based on the architectural government platfrom – market-driven coup or a digital dream?

Digital transformation of States has become one of the major factors of the global leadership in the 21st century. Accelerated business digitalization has made citizens to expect the same fast and high-quality services from their governments as from business. Through digitizing, governments can provide services that meet the expectations of citizens and businesses. McKinsey estimates that a State transformation using modern digital technology can bring in more than $1 trillion a year worldwide. Nation-States are competing with the global companies platform model. That's a completely radical challenge, a solution to which is sought by all the States. The key question they have to answer is how to remain a State and ensure sovereignty. Transnational, cross-border data flows and volumes of information, huge market competition concentrated in the global platforms – this is a competition to win citizens' choice and the digital transformation format is bound to determine the its outcome.

Questions to be discussed:

- Digital transformation of public administration – challenges, tasks, governance model
- Digital government platform architecture: description, functional aspects
- Integration of public services into commercial platforms: myth vs reality?

Speakers

Paul Shetler
Accelerate HQ, Founder

Maxim Akimov
Government of the Russian Federation, Deputy Prime Minister of the Russian Federation

Sasha Baillie
Luxinnovation, CEO

Maksim Parshin
Ministry of Digital Development, Communications and Mass Media of the Russian Federation, Deputy Minister

Moderator

Yermolai Solzhenitsyn
McKinsey, Senior Partner

Experts

Oleg Fomichev
Complexprom, Director of Strategic Planning and Development

Andrey Khlyzov
Voskhod, Deputy Director for Innovations

A Lightning-Fast Change. Artificial Intelligence: Move Fast, Change Everything Around

KAZAN HALL, October 22 12:00 — 13:00

Artificial intelligence is no longer science fiction, a side project or an experiment - it's a reality. AI today is already becoming a part of business processes, both in public administration and private sectors, and will be used as widely as the Internet. Thanks to AI technology, the global economy might grow by $ 15.7 trillion by 2030. According to the analysts, by 2020 the level of distribution of software and cloud platforms with elements of artificial intelligence among companies will be 87% and 83%, respectively. It indicates that AI will become available to a much wider circle of users. Global investments in artificial intelligence-based systems amounted to $24 billion in 2018, which is twice as much compared to 2017. The Russian market for artificial intelligence solutions is expected to have grown to 48 billion rublesby 2021. Current issues faced by the states and companies - are we ready for the ubiquitous AI? What advantages does Russia have over global leaders in the AI development? What challenges are standing in the way of private companies and the public sector implementing AI? Ethics of the new mind, how to get along with artificial intelligence?

- Are the private sector and states ready for large-scale implementation of AI?
- What is the plan for the AI implementation and development at state level? What advantages does Russia have over global leaders in the AI development?
- What are the challenges are faced by the business implementing AI? What is required to enter global markets?
- New mind ethics: how to get along with artificial intelligence?

Speakers

Hans-Aloys Wischmann
Philips Research, Head of Data Science and AI

Vladimir Eliseev
Jet Infosystems, CEO

Murat Sonmez
World Economic Forum, Head, Centre for the Fourth Industrial Revolution Global Network

Maxim Oreshkin
Ministry of Economic Development of the Russian Federation, Minister

Moderator

Paul Francis Nunes
Accenture, Global Managing Director of Thought Leadership

Bring AI to Life: the Journey from Pilots to Sustainable Pipeline

KAZAN HALL, October 22 13:00 — 14:00

Surveys show that more than 90% of AI projects die during their pilot stage. The problem is that businesses fail to implement new technologies because they struggle to build their projects on top of legacy infrastructure and outdated business processes. That prevents their initiatives from being successfully delivered to production.

So why some projects get stuck and models go obsolete while being unable to keep up with market shifts and business process transformation? Why do we see all these success stories in media but hear near to nothing about real return on investments?

Of course, we are fascinated with humanity's dream of creating a "living" AI but for now, AI is not about synthetic intelligence, it's all about data analysis, hundreds of sophisticated algorithms, libraries, and methods of mathematical analysis and machine learning. On average, not more than 30-40% of AI implementation projects dedicated to ML-related tasks including testing. The major part of every AI project is shared between communications, analytics, management, documentation, and integration with other business systems and applications.

The most common reasons for failure are not even related to AI: overheated expectations, corporate quarrels, humans failing to imitate neural networks, project budgeting issues, inaccurate estimation of life and scope of the project, staffing vulnerabilities.

This section highlights the AI early adopters and industry pioneers, which are not "hackathon experts" trained in pilot projects, but business professionals with rich business experience. They will speak on:
• how to weed out unpromising projects on their earliest stage;
• how to assess project feasibility and economic potential;
• how to build a streamlined pipeline of profitable ML-initiatives/hypotheses in your company;
• what kind of hidden hazards, risks, and obstacles you might run into on your way to AI success;
• who has to make decisions and take responsibility, what stages of the project tend to consume more time and resources than others, what types of experts and on what staged you might need to bring in, and so on.

Who will benefit from the session: VP, CEO, CIO, CFO, CDO and other C-suite managers of organizations planning to implement AI and optimize their business and technological processes.

Speakers

PAVEL VAKHNIN
Segezha Group, Member of the Board, Vice-President for Information Technologies and Process Automation

Vladimir Molodykh
Jet Infosystems, Software Development Director

Andzhei Arshavskii
Gazprom Neft, Chief Data Officer

Yurii Sirota
UralSib Bank, Senior Vice-president

Edwin Diender
Enterprise Business Group, Vice President

Intelligent Economy. Three Dilemmas for Digital Nation

Plenary session of the Forum
Venue: Matrex Stage

Starting as "digitalization", the process of introducing digital technologies into various sectors of the economy has become comprehensive. It is already difficult to distinguish the Digital sphere as a separate industry, the integration of technologies into the real world has led to their involvement into the production processes, business, education and public administration. Today, it is impossible to imagine further growth without digital technologies. World experts agree that in the coming years digital technologies will be the only driver of the economic development in almost all spheres of human life, and the volume of the digital economy will be 23 trillion dollars by 2023.

Nowadays we speak not about the digital transformation of the traditional economy, but about the creation of a new economy, the existence of which is impossible without digital technologies, a digital society and a system of global relations. And the technologies of artificial intelligence and decision making based on data analysis, robotization and the Internet of Things have become the driver of its development. We call it Intelligent Economy.

Interaction within the framework of this economy is reaching a new level, the level of artificial and
"natural" intelligence, technology and a human. What does this mean for us? The global industrial revolution, affecting technology and exponentially accelerating the economy, is being replaced by the evolutionary development of an ecosystem, in the center of which lies a person whose needs and skills determine digital technologies used by business and state in all spheres of life.

The digital society is characterized by increasing globalization and the emergence of the growing number of "horizontal" connections both between people and between companies outside state borders, whereas business competitiveness is proved by the product demand in the global market. The success of a human is based on his ability to integrate into the system of global relations, learn throughout life, transfer and receive knowledge and skills in the most effective way.

Global transfer of technology and knowledge, cross-border chains of creating new products, industrial cooperation - these are the main features of Nation 5.0 - a society without borders.

Speakers

Ivan Oseledets
Skolkovo Institute of Science and Technology, Professor

Alexey Mordashov
Severstal, Chairman of the Board of Directors

Tatyana Bakalchuk
Wildberries, CEO

Werner Baumann
Bayer AG, CEO

Purnima Kochikar
Google Play, Apps & Games, Google, Director

Nick Bostrom
Future of Humanity Institute, Director

Need for Speed. How connectivity accelerates the development of cities

KAZAN HALL, October 22 15:45 — 16:45

With the development of technologies new options for the use arise at the intersection of 5G, Artificial Intelligence and Internet of Things. This combination creates the world of Intelligent Connectivity which has a positive impact on cities, people, industry, society and economy. For example, in the near future 5G will become the basis for development of urban projects in all fields of public life, from education and health care to transport industry and housing and public utilities. And unmanned vehicles will move using 5G while communicating with the surrounding infrastructure. All this accelerates the development of smart cities.

Questions for discussion:
• How can interconnected devices change life in the city? How do they affect the creation of a comfortable modern urban environment and the development of the urban economy?
• What technologies do smart cities need and are there any technologies in Russia?
• What are the opportunities of 5G technology?
• What should industries, government and market players do in order to implement the use of the fifth generation technologies and accelerate the formation of full-fledged Smart Cities?
• Do one needs to consider new opportunities when developing master plans for cities?
• What are the financing mechanisms for creating smart cities and infrastructure to ensure the necessary level of connectivity?

Speakers

Raluca Cousson-Postoarca
Orange Business Services,
Head of Innovation

Steve Crown
Microsoft, Vice President

Arkadiy Dvorkovich
Skolkovo Foundation,
Foundation Chairman

Andrei Kuzyaev
ER-Telecom Holding, President

Edwin Diender
Enterprise Business Group, Vice President

Edward Lysenko
Department of information technologies of Moscow, Minister of the Government of Moscow, head of the Department

Futurist's Talk. Post Digital Society

KAZAN HALL, October 22 17:00 — 18:00

The digital economy is the most important and topical priority for state development projects, changing business models of corporations and companies. It is in the digital economy that the most successful startups are born.
In what area will unicorns appear in the future? What sectors and businesses will lead the economy in 10, 20, 30 years? What competencies, professions and skills will be the most demanded? We will hear about this from the vision of two leading futurists and practitioners from the EU and Russia.

Speakers

Nick Bostrom
Future of Humanity Institute, Director

Kirill Ignatyev
Russian investments, Chairman of board

Business program

Tech Trends

BLOOMBERG. Sooner Than You Think: Smart Cities

ATRIUM STAGE, October 22 09:30 — 12:25

9:30 am
Opening Remarks
Torrey Clark-Shirnina, Managing editor, Bloomberg

9:35 am
Welcome Remarks
Arkady Dvorkovich, Chairman, Skolkovo Foundation

9:40 am
PANEL: Cleaner, Safer and More Efficient: Building the Smart Cities of tomorrow from the Ground Up

Digital Economy, a program that aims to bolster tech infrastructure has enabled a myriad of smart city technologies take hold in Russia. Our panel delves into the smart-city technology that is meaningfully improving cities around the world—making them cleaner, safer and more efficient, and discusses the innovations that are on the horizon.

10:30 am
PANEL: Facial Recognition

Russia is building a national biometric database, and what the country has touted as the world's largest facial-recognition bank. The technology can be used to help tackle crime and improve convenience for things like access to financial services without a password, but it also has ignited a fierce convenience-versus-privacy debate. Our panel assesses the costs and the benefits, and explains how this technology will change our everyday lives.

Moderator:
Giles Turner, European Technology Editor, Bloomberg
Speaker:
Yaroslav Goncharov, founder, CEO, FaceApp

11:00 am
FIRESIDE CHAT: Securing the Smart City

5G is finally rolling out around the world and the first deployments have already launched in Moscow. How soon can we expect to see 5G readily available, and what are the innovative leaps that this ground-breaking tech will bring about?

Moderator:
Giles Turner, European Technology Editor, Bloomberg
Speaker:
Ilya Sachkov, CEO, Group-IB

11:20 am
PANEL: 5G and Smart Cities

We're told that driverless transportation is still a very long way off, but as 5G networks, which enable driverless technology, become more prevalent, the autonomous era inches closer. What are the regulatory, safety and technical hurdles that still need to be addressed in order for this technology to pick up speed?

Moderator:
Rebecca Penty, Team Leader, Telecom, Media, Entertainment, Bloomberg
Speakers:
Kristina Tikhonova, President, Microsoft Russia
Vasyl Latsanych, CEO, PJSC VimpelCom

11:50 am
FIRESIDE CHAT: Ready, Set, Ride: Preparing Smart Cities for Smarter Vehicles

Moderator:
Giles Turner, European Technology Editor, Bloomberg
Speaker:
Olga Uskova, President, Cognitive Technologies

12:25 pm
Closing Remarks

Speakers

Ilya Sachkov
Group-IB, CEO

Latsanych Vasyl
VimpelCom, CEO

Yaroslav Goncharov
FaceApp, Founder & CEO

Arkadiy Dvorkovich
Skolkovo Foundation, Foundation Chairman

Olga Uskova
Cognitive Technologies, President

Sergei Sobyanin
Moscow City Government, Moscow Mayor

Alexander Khanin
VisionLabs, CEO

Moderators

Giles Turner
Bloomberg, European Technology Editor

Rebecca Penty
Bloomberg, Telecom, Media, Entertainment; Team Leader

Torrey Clark-Shirnina
Bloomberg, Managing editor

Alex Webb
Bloomberg, European, Tech, Media and Telecoms Opinion Columnist

Transport of the Future. Nanoaugmented reality

ATRIUM STAGE, October 22 12:45 — 13:15

In his lecture "Transport of the Future. Nanoaugmented reality" Yuri Koropachinsky, president of the OCSiAl unicorn-company, will talk about how graphene nanotubes can make breakthrough technologies truly massive, to what extent the energy consumption for moving one kilogram of weight can be reduced, and why today 75 of the TOP-100 global hi-tech corporations already work with graphene nanotubes.

Speaker

Yury Koropachinskiy
OCSiAl, President

Unicorn Era. How to create a company with a $1 billion market cap

ATRIUM STAGE, October 22 15:45 — 16:45

In recent years, the global economy has seen explosive growth of unicorn companies in high-tech fields. The total cost of 326 unicorns in the world reached $ 1.1 trillion. More and more countries see these companies as new economic growth points. Today, Russian startups are trying to quickly and efficiently build expanded ecosystems in order to occupy leading positions in the market, including the sphere of new technologies development and new business models creation. To become a "unicorn", a company must offer the market a completely new product or service, as well as seriously upgrade existing ones, have a scalable monetization model and a massive B2C market, while relying on global experience.

How to stimulate the appearance of "gazelles" and "unicorns" in the Russian market? What successful practices of global companies can serve as an example for growing startups? What can unicorn companies offer and teach?

Speakers

Yury Koropachinskiy
OCSiAl, President

James Monsees
JUUL Labs, Co-founder, CPO

Martin Ciupa
MindMaze, CAIO

Dan Medovnikov
Higher School of Economics, Director, Institute of Innovation Management

Changpeng Zhao
Binance, CEO

Moderator

Anatoly Chubays
LLC RUSNANO Management Company, Chairman of the Board

Cluster Talks. Moscow and the world. Success stories

ATRIUM STAGE, October 22 17:00 — 18:00

Platforms that combine people with a person, product or service are included in everyday life. They no longer shape the future. We are waiting for a new level of service solutions. Platforms that combine entire ecosystems: small innovations with large corporations, a lone startup with a pool of investors, universities with business in one place. A minimum of time for searching and introducing new technologies, the adaptability of digital solutions to individual needs are key characteristics of future platforms. How does artificial intelligence do business? Why create a platform "for yourself"? Why is the future coming so fast?

Business program

Industry Lab

More than just a store. Smart retail technologies

Witte, October 22 09:30 — 10:30

According to the Coresight Research, companies inspired by the success of "new retail" model by Alibaba and following the trend of growing consumer interest in smart retail will increasingly turn to experts in digital technology for data analysis. World experience shows that digitalization not only optimizes sales, but also brings additional convenience to customers. Video control of the checkout queue, the use of big data to personalize offers, logistics optimization, smart shelves, virtual fitting rooms, new forms of payment - all this helps the retail industry to become as customized as possible and to be more than just a "supplier of goods".

Questions to be discussed:
• What other technologies in retail will be implemented soon?
• How do modern technologies affect the retail industry?
• How is customer experience changing?

Speakers

Kristina Tikhonova
Microsoft Rus, President

Federico Winer
SAP, Business Development, Retail and Consumer Industries

Maksim Grishakov
Yandex.Market, CEO

Vakhtang Akirtava
Farfetch, Operating Director Russia & CIS

Alexander Fedosov
Metro Cash and Carry, Marketing and ecom Director

Florian Jansen
Lamoda.ru, Co-founder, CEO

Moderator

George Pataraya
KPMG in Russia and the CIS, Partner, Head of Consumer Markets

Life science. Digital solutions that change healthcare

Witte, October 22 10:45 — 11:45

The emerging demographic situation poses new goals and tasks for the state and society. That's not only an increase in life expectancy, but also the formation of a responsible attitude of an individual to his health, improving the quality of life, especially for older people.
The government programs in the field of healthcare are aimed at solving these problems, the implementation of which is possible with the active introduction of digital technologies and in partnership between the state and business, a doctor and a person who can stop being just a "patient" and make a conscious and informed choice.

Questions to be discussed:
• What digital technologies will help the healthcare system to be more effective along the entire "patient pathway": prevention, screening, diagnosis, treatment and rehabilitation?
• What impact will the new digital technologies have on the patients rights protection, motivation and responsibility of people for taking care of their health?
• How will the industry change with the introduction of digital technology?
• How to prepare the medical and professional community for the early adoption of digital technology?
• Is the level of development in the digital technologies sphere sufficient for practical implementation and are additional measures needed to stimulate new developments?

Speakers

Hal Wolf
HIMSS, President & CEO

Sean Carney
Royal Philips, Chief Experience Design officer & Head of Healthcare Transformation Services

Arkadiy Dvorkovich
Skolkovo Foundation, Foundation Chairman

Leonid Melamed
Team Drive, Chairman of the Board

Sergei Morozov
State Budget-Funded Health Care Institution of the City of Moscow "Research and Practical Clinical Center for Diagnostics and Telemedicine Technologies of Moscow Health Care Department", MD, PhD, MPH, CIIP, CEO, Chief Radiology Officer

Sergei Sidorov
Medscan, Chairman of the Board of Directors

Magnus Bjorsne
AstraZeneca BioVentureHub, CEO AZ BioVentureHub

Moderator

Kirill Kaem
Skolkovo Foundation, Senior Vice President for Innovations

On-demand. Innovations in logistics

Witte, October 22 15:45 — 16:45

The requirements for business processes of production have been growing in recentr years, especially in terms of efficiency, quality and speed of their implementation. Supplying, like other elements of production processes, is transformed under the influence of digitalization. The key components of supplying are procurement, warehousing and transport logistics. The digitalization of these processes has been going on for many years, however, most solutions imply of private processes or functions. This approach allows to optimize a separate process, but does not reveal the full potential of digitalization. The introduction of products capable to digitalize related functions and building ecosystems should provide synergies from the combination of positive effects of individual processes digitalization. What should it be like? Digital Supply. A discussion with top management of large industrial and oil and gas companies who have relevant experience in the development, implementation and use of digital products.

Speakers

Irina Povoroznyk
Severstal, Chief Procurement Officer

Erwin Verstraelen
Port of Antwerp, CDIO

Artem Stepin
Russian Post, Chief marketing and product officer, E-commerce Block

Dmitry Potapov
Gazpromneft-Snabzhenie LLC, CEO

Ekaterina Nowak
Nordgold, Procurement director

Moderator

Evgenii Kozhevnikov
Gazprom neft, Head of Material and Equipment Procurement Department

Expert

Maksim Gall
Analytical Center for the Government of the Russian Federation, Deputy Head of the Project Office

Smart Energy. Future technologies for businesses

Witte, October 22 17:00 — 18:00

The Russian energy sector is on the verge of actively introducing new digital and innovative market practices that will allow it to find new functioning technologies in the market environment and find a solution to long-standing industry problems. Among these challenges are a high level of equipment depreciation, reduction of losses during electric power transmission, increase in the level of observability and controllability of networks.

To deal with them, it is necessary to implement the elements of the new energy industry - reliable and flexible distribution networks, intelligent distributed generation and new consumer services, which involves the maximum use of digital and energy-saving technologies.

The transition to smart energy has been declared one of the tasks of national importance, which will not only change the current energy landscape, but will also give an impetus to the development of the electrical industry and allow Russian innovative companies to actively implement their developments in the country's energy sector.

In turn, industry leaders, regulators, vendors in the Russian energy sector, who are not ready to lose their control, seize the initiative from startups and IT giants in digitalizing their industry. Within the framework of the session, we are planning to discuss these trends with the representatives of companies involved in the creation of intellectual Russian energy.

Moderator

Oleg Dubnov
Skolkovo Foundation, Vice President and Executive Director at Energy Efficiency Cluster

Business program

Smith ~ October 22 ~ Intelligent economy

Corporations

In Acceleration we Trust! Corporate accelerators for startups

Smith, October 22 10:45 — 11:45

The trend for startup accelerators creation took over large corporations around the world. However, not everyone understands how useful these programs are for both sides. The launch of an accelerator is a strategic move that helps large companies stay competitive in the environment of rapidly changing economy. This growth tactic helps corporations communicate with startups and get closer to innovation sources, which is crucial in the business climate where development is vital.
In theory, this is the reason of the resurgence of interest in corporate accelerators, but what do large companies actually get from their programs? The speakers will answer these questions during this discussion.

Speakers

Igor Shiyanov
Russian Post, Head of strategy department

Imran Khan
SAP SE, Global Vice-President, SAP ICC

Dmitrii Gorbachev
Severstal Management, Director of Severstal Business System Development

Pascal Latouche
Orange Fab France, Director Orange Fab France, Coordinator of Orange Fab network

Dmitriy Kurin
MTS, Director of Open Innovation MTS StartUp Hub

Agustin Moro
Telefonica - Wayra, Global Head Strategic Partnerships

Vera Futorjanski
500 Startups, Director

Moderator

Pekka Viljakainen
Skolkovo Foundation, Advisor to the Chairman of the Board of Directors

Sharing is caring. The age of sharing economy and digital platforms

Smith, October 22 12:00 — 13:00

Leaders of the sharing economy companies will gather to discuss what changes are occurring in this market, how the city is transformed with the sharing economy development and what new opportunities and startup niches are introduced in response to these changes.
The discussion will give a chance to see the intersection points between startups and major players in the market, cover a wide range of opportunities for the companies growth, and give a new perspective on threats and prospects for running private businesses on shared platforms.

- 1 shared car instead of 4 vehicles: how car sharing modifies consumption structure in the city:
- Millennials choice: how consumption values of modern generation change the economy structure;
- To rent, not to own: what new markets emerge in modern consumption systems?
- Opportunities for running a private business on shared platforms;
- Sharing economy startups: prospects, constraints and entry barriers;
- How is the city transformed with sharing economy development?
- The impact of sharing economy growth on traditional business market share;
- Security, property preservation and consumer rights protection in sharing economy.

Speakers

Muhit Seidahmetov
Delimobil, CEO

Irina Reyder
BlaBlaCar, General Manager

Andrey Kulagin
Deworkacy, Managing Director

Yury Spektorov
Bain & Company, Managing Partner

Vasyli Bikov
Samocat Sharing, founder

Anna Drobaha
Avito, CMO

Anton Gubnitsyn
TIARCENTER, CEO

Moderator

Oleg Teplov
VEB Innovations, LLC, CEO

TNT for Banks&Retail. Fintech as a digital TNT for the industry

Smith, October 22 15:45 — 16:45

Within the framework of the panel discussion, banks and tech companies representatives, together with the winner of the Visa Everywhere Initiative Competition in Russia will explore vertical and horizontal integrations in the financial industry, especially the interaction of traditional players in the form of banks with fintech startups and IT companies, the formation of new platforms and ecosystems, as well as their further development prospects.

- How can financial companies interact with entrepreneurs and innovators?
- How customer requests in the financial sector have been changed?
- What is a digital platform?
- Is it possible to "digitalize" the work of corporations with startups? Is it worth it?
- What ecosystems and digital platforms do banks and IT companies create around themselves?
- What are the alternatives to local and global platforms?
- How to search for new markets and new products? How to stay competitive in new markets?
- What is more important when developing new products - speed of process or quality? Is there a line between them?
- When will the terms "digital economy, bigdata, digital platform" cease to be used?

Speakers

Dmitriy Peshnev-Podolskiy
BCS Bank, Chairman of the Board

Irina Ivanova
M.Video-Eldorado Group, COO

Alexander Fedosov
Metro Cash and Carry, Marketing and ecom Director

Dmitry Zauers
Bank GPB (JSC), Deputy Chairman of the Management Boardd

Moderator

Pavel Novikov
Skolkovo, Director of Fintech & Blockchain Center

AI technology: to patent or to implement? Business view

Smith, October 22 17:00 — 18:00

Developments in the field of artificial intelligence have almost won the role of a key area of scientific and technological progress of the 21st century.
The level of public and private investment in AI is rising annually. Top managers of companies in various industries highly appreciate the potential and importance of AI technologies implementation in developing their own business and ensuring their competitiveness in both domestic and global markets.
According to the WIPO, over the past five years there has been an impressive increase in the number of patent applications and a decrease in the number of academic articles on inventions, which indicates a transition from theoretical research to practical use of artificial intelligence technologies in the field of commercial products and services.
However, in such circumstances, a number of companies opt for the proper protection of AI technologies by obtaining an appropriate development patent.
Others suggest that patenting AI developments doesn't make sense, and resort to rapid introduction of innovations in production, bypassing the receipt of a patent. Whose strategy is right?

Speakers

Timothy Cranton
Microsoft Rus, Accociate General Counsel

Sergei Leshchenko
Project office NP Digital economy, deputy director

Uliana Zinina
Facebook, Head of Public Policy

Mikhail Yakushev
VimpelCom, executive vice president of government relations

Moderator

Yury Zubov
Rospatent, Deputy Director General

Business program

Weber ~ October 22 ~ Intelligent economy

Startup Valley

Innovation comes first. How to be a trendsetter in innovations?

Weber, October 22 09:30 — 10:30

Large corporations need innovations to improve their internal productivity and develop new products. The future will only see this trend continue to grow. Our discussion is structured in such a way that every speaker is given a few minutes to talk about the biggest innovation gaps or high-priority areas for the upcoming years in their respective companies or industries.
How can new ideas be discovered and integrated into major companies? What are the best practices? What kinds of expectations do business managers and owners have of small hi-tech companies?

Speakers

Richard Kemkers
Philips Research, Research
Program Manager

Vincent Maret
Bouygues Group, Corporate
director, Open Innovation

Raluca Cousson-Postoarca
Orange Business Services,
Head of Innovation

Hans-Joachim Odlozinski
SAP SE, Manager SAP Co-
Innovation Labs (COIL) in Africa,
CIS & DACH

Paul Francis Nunes
Accenture, Global Managing
Director of Thought Leadership

Boris Glazkov
Rostelecom, Vice President
Strategic Initiatives

Moderator

Kirill Kaem
Skolkovo Foundation, Senior
Vice President for Innovations

Society 5.0. Digital transformation and new business areas in Japan

Weber, October 22 10:45 — 11:45

As business platforms based on digital and IT technologies and new manufacturing infrastructure expand
globally, the movement of digital transformation that actively uses digital technologies and data is also becoming
increasingly active in Japan as represented by such concepts as Society 5.0 and Connected Industries, which
the Japanese government advocates. In addition, now that the "speed" sought in business, product
development, and innovation is accelerating day by day, a production model completed within a single company
cannot respond sufficiently, the expansion of new networks and cooperation going beyond the framework of
organizations are gaining global attention. In this session, along with introducing new initiatives in Japan by
companies, universities and startups on the topic of digital transformation, we wish to discuss the possibility of
new cooperation between Japan and Russia in this field.

Speakers

Hiroshi Kawaguchi
Information Services International - Dentsu, Unit Director

Eiichiro Miyazoe
Kawasaki Heavy Industries, LTD, Deputy Senior Manager

Yuhei Nagai
Terra Drone Corporation, Head of Eastern Europe and Central Asia

Shunichi Kuroda
Osaka University, Professor

Yusuke Harada
Arthur D. Little Japan, Inc., Managing Partner

Moderator

Yusuke Otsubo
UMJ RUSSIA FUND, Managing Partner

Experts

Takeda Kenichi
Hitachi R&D Group, General manager

Masaru Ikeda
The Bridge, Co-founder / Blogger

Support measures for end-to-end digital technologies

Weber, October 22 12:15 — 15:15

In order to stimulate end-to-end technologies development, the State has introduced a set of financial instruments. Starting from the mid-October, projects to receive material support are being selected on a competitive basis. Taking into account high level of businesses' interest in the instruments proposed by MinComSvyaz and ANO Digital Economy, lots of questions arise on the isuue of new support measures and their features.
Through the competitive procedures informational support, the representatives of the support measures providers will answer potential recipients' questions about participation in the contest. The consultation centre will help to come up with a decision on the most suitable instrument for a certain business or technological project. During the consultations it'll be possible to learn about the proposed instruments' characteristics (recipients, ther amount of money to be paid, timelines. targets), stages of competitive selection process and application requirements.

Ask a question to the speaker on the support measures

Speakers

Gregory Andrushchak
RVC, Deputy General Director

Aleksei Galyuzhin
Ministry Of Communications,
Deputy Director

Mihail Nasibulin
Minkomsvyaz` Rossii, Head of
digital economy projects
Department

Midas Touch. Investments in high-tech

Weber, October 22 15:45 — 16:45

The Russian venture capital market continues to grow, but this is due to the growth of the late stages and the increasing number of M&A transactions. This trend has emerged not only in Russia, but also in Europe and America. Can this growth be called sustainable and long-term, as well as stimulating for the emergence of new young technology companies? Who is the most active investor on the market today? Why corporations that are not only more active in acquiring, but also investing in minority stakes in the early stages, are becoming more active on this market? What will the venture capital market in Russia be like in 3-5 years and what is it lacking today for outstripping growth and the flow of a new class of investors?

Speakers

Shiv Khemka
SUN Group, Vice Chairman

Alexandr Galitskiy
Almaz Capital, Managing Partner

Boris Podolskiy
RUSNANO Management Company, Deputy Chairman of the Executive Board and Executive Director

Magomed Askhabov
VTB Capital Asset Management, Global Head of Alternative Capital

Andrey Laptev
Severstal, Director Business Development and Corporate Venturing

Moderator

Vladimir Sakovich
Skolkovo Ventures, CEO

Opportunities for Japanese-Russian Investments in Technology

Weber, October 22 17:00 — 18:00

So far, Japanese-Russian business has expanded primarily through bilateral trade centering on resource energy
and machinery products and local production centering on automobiles in Russia. However, Japan has strengths
in manufacturing technology that supports "Monozukuri" (lit. 'production' or 'making of things'; i.e.,
'manufacturing'), while Russia has turned out many top-level human resources in the world in recent years in the
field of software development, in addition to the field of basic research where it has traditionally been strong. It
can be said that this mutually complementary relationship between Japan and Russia is a great opportunity to
fully demonstrate the fruits of open innovation.
Mutual investment in the field of technology is essential to building such a win-win relationship between Japan
and Russia. Japan Russia New Frontier Fund (JRNFF), the first technology investment fund between Japan and
Russia, will now be established upon gaining investment from Russian Venture Company, a Russian
government-affiliated tech investment institution. Based on keynote reports from the Japanese and Russian
managers of this fund, panel discussions will be held on such matters as issues related to current bilateral tech
investments by Japanese and Russian tech investors and measures necessary to activate tech investment in
both countries in the future.

Speakers

Alexandr Povalko
RVC, CEO

Takashi Morishita
Asahi Kasei, General Manager

Shigeki Usuki
New Frontier Capital
Management (Hong Kong), CEO

Oleg Konev
Da Vinci Capital, Managing
Partner

Artem Shadrin
The Ministry of Economic
Development of the Russian
Federation, director of
Department of Strategic
Development and Innovations

Moderator

Yusuke Otsubo
UMJ RUSSIA FUND, Managing
Partner

Business program

Plekhanov ~ October 22 ~ Intelligent economy

Digital Transformation Journey

NTI Kit. What support do tech-companies need?

Plekhanov, October 22 09:30 — 10:30

Today we are witnessing the transformation of familiar things and can no longer imagine our life without technologies. Identification of the National Technological Initiative (NTI) gene and its further development is an opportunity for everyone to take part in a technological revolution and change the world. Communities development, the formation of a new education system, the NTI regions are the infrastructure of our new life that we are creating today. NTI leaders will share their vision of the country's scientific and technological development strategy and discuss the most relevant formats for supporting technology companies, as well as measures that stimulate the growth of innovative unicorn companies.

Questions for discussion:

• What support measures are most in demand and needed by technology companies?
• What ways to support technological SMEs have proven their effectiveness in the world?
• What should be the effect of services and support programs?
• What opportunities does NTI offer for tech companies?
• What mechanisms does NTI suggest to increase the competitiveness of national companies in global markets?

Speakers

Dmitriy Peskov
Special Representative of the President of the Russian Federation in Digital and Technological Development, -

Oksana Tarasenko
Ministry of economic development of the Russian Federation, Deputy Minister

Alexandr Povalko
RVC, CEO

Randeep Sudan
Multiverz Pte. Ltd., Founder

Vasiliy Osmakov
Ministry of Industry and Trade of the Russian Federation, Deputy Minister

Making profit from the end-to-end technologies: markets, investment and federal funding

Plekhanov, October 22 10:45 — 11:45

Leading companies in digital economy are well aware of potential opportunities and are determined to implement digital solutions in their business models. It has a significant impact on all economic sectors.

The State is committed to supporting the positive trend and is planning to invest over 200 billion rubles in the of end-to-end digital technologies development over the next 5 years. Within the current system, until mid-November, operators are collecting tender applications for the provision of state's financial support for the projects and the introduction of digital solutions based on SCT.

In 2020, the existing system of support tools will be significantly expanded. This will attract even more promising developers, as well as potential digital consumers. An open dialogue of all interested parties will give a chance to answer questions about approaches to providing and receiving aid in SCT implementation in various industries. The session participants will discuss economic growth and potential for development in Russia for the period until 2024 under the influence of end-to-end digital technologies, the request for which has already been formed by the State and large business. This will allow IT investors and digital manufacturing companies executives to focus on the most perspective niches of this dynamically developing market.

Ask a question to the speaker on the support measures

Speakers

Vladimir Mesropyan
Analytical Center for the Government of the Russian Federation, Head of Project office

Igor Drozdov
Skolkovo Foundation, Chairman of the Executive Board

Konstantin Noskov
Ministry of Digital Development, Communications and Mass Media of the Russian Federation, Minister

Moderator

Evgenii Kovnir
ANO Digital Economy, CEO

Intelligence value. IP objects valuation

Plekhanov, October 22 12:00 — 13:00

The field of knowledge-based industries is evolving at fast rates. The proportion of IP-related intangible assets in the leading national and multinational companies capitalization is increasing significantly and even exceeds the value of their own tangible assets. This is becoming an important competitive advantage. Meanwhile, the need arises for a correct and transparent valuation of this asset for the entire market. Some issues are considered a stumbling block in business negotiations:

- Technologies and principles of intellectual property valuation
- What factors determine the value of intellectual property rights
- Specificity of intellectual property objects assessment
- Accounting and tax aspects related to working with intangible assets. Inventory process.

Speakers

Elena Shulgina
Sitronics, Vice President of strategy

Aleksandr Suhotin
CO-FI, Chairman of the Board of Crowdlending Platform

Andrey Krichevsky
IPChain, President of association

Sergei Matveev
Federation of intellectual property, federation president

High Season for Edtech. Investments in education

Plekhanov, October 22 15:45 — 16:45

The modern economy of knowledge and communications make us learn and relearn. The global trend lifelong learning is rapidly increasing the demand for educational services, and the need to learn new technologies and competencies of the digital era leads to the explosive growth of new educational projects and platforms.
Today EdTech is called the new fintech that will never "cool down." The volume of global investment in educational projects in 2019 exceeded $16 billion, and still continues to grow.
In connection with the processes of digital transformation taking place today in all sectors, one can not discount the business models transformation in the educational sector. Instead of government subsidies unavailable to small EdTech companies, it is actively developing a private investment market. Within the framework of the discussion, we will explore investment strategies of the leading funds focusing on investment in education.

- What technologies and solutions will define a "new" education?
- How to evaluate and select educational projects taking into account industry specifics?
- Will educational platforms compete with traditional universities?
- Is there anything other than platforms among successful business models in education?
- What can Edtech offer universities and teachers?
- What national educational projects can become global?

Speakers

Alexandr Laryanovskiy
Skyeng, Managing partner

Dmitriy Peskov
Special Representative of the President of the Russian Federation in Digital and Technological Development, -

Alexey Basov
RVC, Deputy CEO – Chief Investment Officer RVC

Gabriel Levi
Dnevnik.ru, CEO

Alexey Milevskiy
Mail.ru Group, Investment Director

Ilya Torosov
Ministry of Economic Development of the Russian Federation, the Deputy Minister of the Economic Development of the Russian Federation

Artem Inyutin
TMT Investments, Cofounder

Mike Feerick
Alison, CEO

Moderator

Alexey Solovyov
Skolkovo Digital, Venture Partner

Data Driven City. The city that knows

Plekhanov, October 22 17:00 — 18:00

Data is becoming an integral part of any process in the modern world. Cities are not an exception. The concept of data-driven cities (DDC) has become one of the key concepts in urban planning, urbanization and the digital transformation of states and countries. The largest cities in the world, such as Shanghai, Moscow, Amsterdam or New York already benefit from the introduction of data-based solutions. Nevertheless, increased dependence on data also creates new challenges: cyber threats, data leakage and hacking are new problems that need to be addressed to all data custodians: both the state and business.

What data is needed to create data-driven cities? What data does the business have for the city? What does the state have? How is it possible to use this data together? What are the barriers for sharing data between companies, government, and individuals? In which areas do we need to open the API? For what types of data and for which companies? What steps are needed to be taken on the part of the regulator and are the current provisions on data protection and use sufficient? What data is not collected today, but necessary to improve the city efficiency and development? What effects do the DDC have and does Russia need them in light of the digital economy development?

Speakers

Edward Lysenko
Department of information technologies of Moscow, Minister of the Government of Moscow, head of the Department

Oleg Teplov
VEB Innovations, LLC, CEO

Boris Glazkov
Rostelecom, Vice President Strategic Initiatives

Pavel Trekhleb
Gorky Park, Director

Moderator

Andrei Sharonov
Moscow School of Management Skolkovo, President

Business program

Keynes ~ October 22 ~ Intelligent economy

Industry Lab

Intelligence on board. Transport of the future

Keynes, October 22 09:30 — 10:30

The world is experiencing a transport revolution. Digital technologies will make it possible to more effectively use private and public transport, and in the long-term increase the mobility of citizens, the level of safety and comfort of city trips, and optimize traffic management. Interaction with passengers is actively changing through the development of information services, cashless payment systems, travel planning through mobile applications. There is also a change in the model of car use: taxi, car sharing, electric cars. However, private transport also continues to modernize, becoming more secure and personalized.

How does public transport become personalized and informative?
How will personal transport and its interaction with people change?
Artificial Intelligence on the road: how fast will we switch to unmanned vehicles? How will it influence on urban mobility? What practices of applying new technologies in transport are observed in world practice?

Speakers

Stefan Teuchert
BMW Group Russia, CEO / President

Alexey Kalitsev
Hyundai Mobility Lab, General Director

Alexander Zazhigalkin
RZD, Head of innovation development center

Artem Fokin
Yandex, Head of Business development for Self-Driving Cars

Moderator

Ekaterina Shapochka
Analytical Center FORUM, Executive director

Welcome to industry 4.0. Future Manufacturing Processes

Over the past two decades, the fourth industrial revolution has changed companies, industries, consumer markets and has created a fundamentally new model. The pace of the disruptive technologies emergence and spread is only increasing, so we are likely to face even more significant changes affecting companies, public administration and private life. In his book on the Fourth Industrial Revolution, Klaus Schwab, the founder of the World Economic Forum, notes that despite all the enormous opportunities that the new technological reality offers, it has a whole range of risks: companies may not be able to cope with the necessary volume of changes, it will be difficult for governments to regulate and introduce new technologies, a number of economic and social imbalances will arise. The complexity and scale of the transformations taking place during the fourth industrial revolution obviously require new tools and strategies in the corporate world?

• How can large companies accelerate global progress?
• What changes management strategy will lead to the success and rapid implementation of new decision-making processes?
• What models of business digitalization should be guiding and which ones can be considered failures?
• What should be the role of the state in the fourth industrial revolution? Stimulating business, setting its own example, not interfering at all?

Speakers

Christian Nardin
Dassault Systemes, Senior Vice President, High Growth Countries

Aleksei Borovkov
Peter the Great St.Petersburg Polytechnic University, Vice-Rector for Advanced Projects, Head of the National Technology Initative Center for Advanced Manufacturing Technologies, Professor

Igor Bogachev
Zyfra, CEO

Nicolas Gutierrez
Accenture, Managing director

Yuriy Shehovcov
Nornickel, CDO

Alisa Melnikova
Sibur, Director, Digital technology

Moderator

Alexey Belyakov
Skolkovo Foundation, Vice-President, Executive Director

Expert

Ahmed El Beheiry
WAKANDAI Ventures, Founder & Managing Director

FoodTech. Future tense: food. An accusative?

Keynes, October 22 15:45 — 16:45

The ancient Greek doctor Hippocrates was the first to formulate the thesis: you are what you eat. Transition to a healthy nutrition is a modern trend; healthy lifestyle is a guarantee of long and physically active life. The food industry is on the verge of dramatic changes caused not only by the healthy lifestyle trend, but also by the environmental factors. Within the framework of the panel discussion, the industry value chain "from farm to fork" will be explored in the context of new technologies in foodstuffs that already start to intrigue the world!

Speakers

Yusef Khesuani

3D Bioprinting Solutions, Managing Partner

Nadav Berger

PeakBridge Partners, Founder and Managing Partner

Shahar Florence

Strauss Group, Chief Growth & Innovation Officer

Moderator

Andrey Zyuzin

EFKO Innovations, CEO

Business program

Pareto ~ October 22 ~ Intelligent economy

RAIF (Russian Artificial Intelligence Forum)

Artificial Intelligence - talking in simple words

Pareto, October 22 09:30 — 10:45

Even many top managers do not understand what AI is. Articles and materials about AI are divided into two types: 1. crazy scientific papers with formulas inaccessible to the understanding of leaders, and 2. full of water, rainbow stories, devoid of essence. The difference between Machine Learning - Data Mining - Artificial Intelligence - Data Science - Analytics - Digital Twins is all the more a mystery.

Therefore, in this section, on simple words, examples and funny stories (everyone's favorite TED format), the speakers explain the complicated thing simply: what are the key components of ML, the types of ML, what ML is being introduced for, where to start (pilots, typical problems), etc. .

Who will benefit from the session:

- VP, CEO, CIO, CFO, CDO and other company managers who want to clarify the terminology around AI once and for all.

Speakers

Aleksei Natekin
Open Data Science, Data Souls,
Founder

Aleksei Khakhunov
Dbrain, CTO

Evgenii Kolesnikov
Jet Infosystems, Director of the
Machine Learning Center

Nikolai Marin
IBM, Chief Technology Officer,
Russia/CIS

Pavel Doronin
AI Today, CEO

Infrastructure and software for launching and debugging AI models

Pareto, October 22 11:00 — 12:45

The speed of changes determines which company is the first to launch a feature or reduce costs in a highly competitive market, starting to save 2% on fuel by optimizing supply chains. But there are risks:

- release into the product a non-tested model with a critical or blocking error (for example, recommendations for up-sell or recommendations for smelting in blast furnaces) - means serious losses - you will have to forget about implementation;
- Too long to write code and make changes means to "inflate" the payroll team and get the risk of closing projects due to payback periods.

This means that everything is decided by a properly built infrastructure and processes. The speakers discuss how IT should change in the company in order to start making projects quickly, efficiently and with predictable costs (this also means "meeting the needs of the business"):

- construction of IT infrastructure with the introduction of capacities for storage and processing of big data;
- approaches to accelerate time-to-market ML-models;
- principles of testing "black boxes" - ML-models;
- Automation of IT infrastructure for development and testing environments,
- construction of processes and implementation of CI / CD / DevOps tools and test automation;
- Implementation of AIops and processes for managing models, datasets and digital twins.

Who will benefit from the session:

- CEO, CFO, CDO and other managers of companies planning the implementation of AI, to understand how to formulate requirements for the IT department;
- CIO, their deputies, development leaders (Dev) and operation (Ops) companies to synchronize with their internal business customers, understand their needs, learn to speak the same language, and increase their professional competitiveness in the labor market.

Speakers

Timur Kulchickiy
Red Hat, Regional Manager

Anton Pavlenko
Jet Infosystems, Head of Infrastructure and outsourcing departments

Timothy Hooley
Red Hat, Chief Technologist for Financial Services in EMEA

Aleksey Shelobkov
YADRO, Managing director

Alexander Krasnov
Jet Infosystems, Deputy Head of Infrastructure Divison

ML and Big Data: New Opportunities and Corporate Security Gaps

Pareto, October 22 12:45 — 14:30

Using ML technology to combat fraud
The possibilities of processing and storing huge volumes of information from IT systems and business applications theoretically allow tracking the slightest deviations in technical and business processes, including those related to internal and external fraud. But it's almost impossible to set search criteria in advance for still unknown types of fraud and failures. Can machine learning be a universal solution to this problem?

Big Data as an object of attack. How to protect yourself
The big data technologies, which have become widely used for business analytics, including the use of ML, are repeating the classic history of information security. Information protection is remembered when systems, at best, are put into operation. And at worst, when a data leak has already occurred. As a result, big data becomes the Achilles heel of the entire IT infrastructure of the organization. Experts will discuss what risks really exist in this area, what are the difficulties of protecting big data systems and what classic and new approaches can be applied here.

Who will benefit from the session:
• CEO, CFO, CDO and other managers of companies planning the implementation of AI, ML, based on Big Data technologies;
• CISO (Chief Information Security Officers) interested in:
o in mitigating risks and counteracting threats to solutions within the company's IT landscape;
o the introduction of new methods based on machine learning to detect and combat the actions of attackers.

Speakers

Artem Gutnik
NSPK, CISO

Evgeny Vinokurov
Central Bank of Russia, Head of Division

Denis Gorchakov
OKS Group, Cybersecurity Director

Aleksey Sizov
Jet Infosystems, head of direction

Moderator

Andrey Yankin
Jet Infosystems, Director of Information Security Center

Machine Tools, Metal, Sugar, and AI: The Limits of Industry Optimization

Pareto, October 22 14:30 — 16:00

Industry - as if processes cast in metal change very slowly, but the already proven economic effect of 200,000,000 rubles a year from some AI projects (due to economies of scale) puts even the most controversial AI initiatives in the top list of the management tasks of manufacturing companies.

Experts will discuss:

- the specifics of the implementation of AI in industries (metallurgy, chemical, forestry, woodworking, pulp and paper and mining, agriculture);
- application cases (MRO, rejects, efficiency, industrial safety, etc.), digital doubles and digital assistants.

Who will benefit from the session:

- CEO, CFO and CDO of manufacturing companies who want to learn more about optimization cases and increase the efficiency of technological processes.

Speakers

Dmitry Bocharov
Segezha Group, Vice-president, internal control and audit

Pavel Dreiger
RUSAGRO, CIO

Alexey Sechkin
Jet Infosystems, Director of Innovative Technologies and Solutions center

Igor Bardintsev
Severstal Digital, CEO

Evgenii Kolesnikov
Jet Infosystems, Director of the Machine Learning Center

Kirill Alifanov
Uralkali, CIO

Andzhei Arshavskii
Gazprom Neft, Chief Data Officer

Anatolii Nasonov
AEMZ, CIO

Moderator

Olga Sigal
Digital Academy, Managing Partner, Resources

Omniscient, omnipotent, omnipresent: how AI irresistibly changes retail and finance

Pareto, October 22 16:00 — 17:30

Like all new terms, omnichannel had many meanings, but with the transformation of offline networks into IT companies, the penetration of e-commerce offline and the integration of fintech into retail, everything changed.

Now the business is moving further away from cases:
"Your call is very important to us, the operator will answer in 30 minutes," is the answer to a customer calling from abroad with an LTV of 150,000 p. with a net profit of the company at 26,000 rubles per year.

AI seeks to analyze a huge number of events (ML features) across all possible service channels: address, call from abroad, the number of Facebook subscribers, visiting the site, coming to the store, check content, negative conversation with the operator, LTV, an unclosed ticket for service, an average check, leaving the store without a purchase, etc.

For what purpose? Examples: 1) the client is dissatisfied with the service (contacting the contact center), therefore the company stops not only telemarketing, but also notifications and SMS until the problem is resolved; 2) the client regularly buys the goods, but once came to the store and left without it, or without purchases at all? It is easy to collect feedback and find out the reason.

Companies are pondering the introduction of AI-powered omnichannel marketing and customer service right in the process of a competitive battle. Will the creation of an omni platform (with comprehensive customer information, communication channels, and automated personalized decision making) help improve metrics?

Will it reduce customer churn and marketing costs? Increase the accuracy of personal offers? Improve up-sales / cross-sales? Improve NPS? Speed up customer service? Reduce the payroll? Increase the average bill?

Experts will discuss these and other issues:

- 80% of loyalty programs are unprofitable, can AI transform them and ensure profitability thanks to omni data?
- Is it possible to create an AI that will provide a personalized service to each client without loss of customer experience?
- What components may be required for such an omnichannel platform (CX platform, marketing channels, Data Lake, ML, etc.)? Will the investment pay off?

Who will benefit from the session: VP, CEO, CFO, CMO, CXO (Chief Customer Experience Officer), CDO (retail, finance and telecom), in KPI or whose tasks are the management and economic improvement of customer interaction metrics (marketing budgets, ROMI , sales, average check and so on)

Speakers

Pavel Zaglumin
JET Infosystems, Business Development director

Vladislav Lisitskii
Rubbles, Director general

Alexei Chernobrovov
Chernobrovov.com, Consultant on Data Science

Sergey Klimash
Gloria Jeans, Sr. Vice President IT

Moderator

Irina Ratina
Digital Academy, Executive Director

Business program

Slutsky ~ October 22 ~ Intelligent economy

Partner track

Technological development instruments in the regions. New practices

Slutsky, October 22 10:45 — 11:45

Within the past few years, a full-fledged line of cooperartion in the field of innovations was added to the federal agenda. It includes innovation and industrial clustes, techonological platforms, consortia, international STI and scientific educational centres, key research hubs, international scientific methology and innovation scientific technology centres. Some of these formats are already developing actively, others are needed to be adjusted to the reality of the Russian regions. How should these formats conform with each other; what impact they have on the regional authorities' role; how can the accumulated experience of cooperation be used for generating new configurations in response to challenges posed by the national projects; what has been achieved in the past year and what still remains to be done?

Speaker	Moderator
Andrey Vorobiev	**Evgeniy Kutsenko**
Government of Moscow Region, Governor of Moscow Region	Higher School of Economics, Head of the Russian cluster observatory

Big data and artificial intelligence: smart regulation and state transformation

Slutsky, October 22 15:45 — 16:45

Yesterday's big data looks incomparably small compared to today's data. The amount and variety of data is growing rapidly. According to recent analytical estimates, about 2.7 million emails are sent and received every second, about 75 000 videos are watched on YouTube and 60 000 gigabytes of Internet traffic are transmitted. According to Cisco, by 2020 global Internet traffic will reach about 200 exabytes per month. Data volumes will increase even more due to the widespread use of IoT devices.
Nowadays, data is frequently examined in the context of discussions about competitive advantages, inclusive growth, and the digital transformation of both the public and private sectors. It also becomes a topic related to national security, public and private security, and consumer protection.
An important area of application of big data is artificial intelligence, which has a great impact on the welfare of states and people - whether it be more accurate diagnoses in the field of medicine or the protection of children's rights in the digital space.
One of the most pressing issues today is the formation of a decision-making system based on data using big data technologies and artificial intelligence.

• What are the main ways to improve public sector efficiency through the use of big data and artificial intelligence?
• What are the key indicators of the effectiveness of the introduction of these technologies in the state management system and the impact on the lives of citizens?
• What are the new roles and new tasks of the Chief Data Officer (CDO) in this endeavor?

Speaker	Moderator
Randeep Sudan	**Jane Treadwell**
Multiverz Pte. Ltd., Founder	World Bank, Lead Digital Development Specialist

Business program

KAZAN HALL ~ October 23 ~ Futuretech

Big Deals in Digital: Government VS State Corporations

KAZAN HALL, October 23 09:45 — 11:00

At the end of May 2019, draft roadmaps for the development of end-to-end digital technologies were presented. After 2 months, the Government of the Russian Federation signed agreements with the largest companies with state participation on the joint development of promising technologies in high-tech areas.

The ambitious goals of technology development are recorded in the relevant documents. Support measures designed for research centers, startups, and companies that are leaders in the digital economy have been designed. But how to make a large-scale change in the technological environment, and development goals achievable?

Questions:
• How to change the existing ecosystem for the emergence of integrated and infrastructure projects? What should they be? Is there room for tech startups in them?
• What are the incentives to create for major players and industrial customers to be involved in technology development?
• How to scale the existing experience in implementing complex projects?

Speakers

Arkadiy Dvorkovich
Skolkovo Foundation,
Foundation Chairman

Ekaterina Solnceva
Rosatom, Chief Digital Officer

Boris Glazkov
Rostelecom, Vice President
Strategic Initiatives

Ruslan Yunusov
Russian quantum center, CEO

Smart city infrastructure for self-driving mobility

KAZAN HALL, October 23 11:15 — 12:15

By 2040, according to IHSMarkit forecasts, 33 million autonomous vehicles will "flood" the roads of our planet.
In August this year, 6 Optimus Ride autonomous six-seat shuttles were launched in New York. Last year, in Boston, a company called nuTonomy began testing its autonomous vehicles around the city. Kroger, a nationwide grocery chain, has launched a self-service grocery delivery service in Arizona with its pilot. In Phoenix, Google is testing its own Waymo autonomous taxi service and plans to launch it as a full-fledged business this year. In Moscow in June of this year, Yandex launched the first five drones, and in August another 20 autonomous vehicles appeared on the roads of the capital.

- Are cities ready for the transport of the future? Highways, railway lines, roads for land transport or bridges that are being designed now will inevitably come out in 20 years and, in an ideal picture of the world, they should already take into account the requirements of autonomous transport today.
- How can cities ensure a smooth transition to the future?
- What should the IT infrastructure for autonomous transport look like now and in the future?
- Will we achieve the symbiosis of autonomous vehicles and smart cities?

Speakers

Frank Hocke
Volkswagen Group Rus, CIO

Robin De Keyser
Orange Business Services, Director for Business Solutions and Innovations

Evgenii Belianko
RG NTI AUTONET / NP GLONASS, VP of technology

Olga Uskova
Cognitive Technologies, President

Alicia Mancheno
Alizent Spain, Managing Director

Moderator

Konstantin Polunin
BCG, Partner and Associate Director, Head of Business Development for Public Sector Practice Area

Access to Health. Cybersecurity of medical data.

KAZAN HALL, October 23 12:30 — 13:30

The healthcare industry is increasingly relying on data, from patient records to laboratory research results. Big data and the technology for processing them can improve the quality of medical services provided to the population. The convenience of data analysis and ease of access to treatment history leads to new personalized and preventive medicines. However, there are risks in healthcare digitalization. Theft of medical data has become a new part of our reality.

The healthcare industry has traditionally ranked high in terms of cyberattack intensity. According to reseach by Positive technologies, in the first quarter 2019, medicine ranked second in the world concerning the number of hacker attacks (10%), only 6 percentage points behind the public sector. One of the largest cybercrimes aimed at health, the WannaCry attack, paralyzed the work of doctors and led to the cancellation of about 20,000 appointments at hospitals throughout the United Kingdom.

- What consequences of ignoring cybersecurity might healthcare face?
- Is our healthcare system ready for cyberattacks? What measures are being taken?
- What harm can outdated IT systems do? And what is needed to update healthcare institutions' IT systems?
- Cybersecurity of medical data in the experience of international players?
- Pros and cons of uniform medical data standards?
- International cooperation in ensuring medical data cybersecurity?

Speakers

Ilya Sachkov

Group-IB, CEO

Yakov Zhitomirsky

Hadassah Medical Center,
Digitalization Field Manager

Denis Shvetsov

Doctor ryadom, CEO

Moderator

Ruslan Yusufov

MINDSMITH, Managing Partner

Digital Platform for Nation 5.0

KAZAN HALL, October 23 13:45 — 14:45

The producer's economy is transforming into a consumer's economy format, with digital platforms and ecosystems being an integral part of it. This area is becoming a new territory for interaction, which requires the definition of the game rules, the format of cooperation, and the boundaries of the sphere of influence between the state and the corporations.
An example of governmental initiatives in this regard can be seen in the development of a single digital platform for the activities of healthcare organizations, a digital platform for joint research, a single digital transport and logistics environment, a digital educational environment, etc. Experts also mention the example of Singapore, which is moving towards the implementation of the Country-as-a-Platform concept.
In parallel, corporations that have accumulated a significant amount of data that can serve as the basis for services, platforms, and other forms of commercialization are on the way to creating entire ecosystems. Uber was founded in 2009 and, in 10 years, has reached a capitalization of more than USD 120 billion. For example, the total capitalization of Ford, Chrysler, and General Motors is USD 112 billion. Experts at McKinsey believe that, in ten years, 30% of the world's gross product will come from companies that operate a network of interconnected businesses. Such networks are already operated, for example, by Amazon, Alibaba, Google, and Facebook.

- Is Nation 5.0's digital platform a single platform or a set of platforms and ecosystems?
- Who determines game rules today in the market for data required for the platform to function and how is responsibility distributed?
- The global and Russian experience: how to balance data security with the stable growth of data-based services?

Speakers

Boris Glazkov
Rostelecom, Vice President Strategic Initiatives

Maxim Eremenko
Sberbank, Chief Data Scientist

Paul Shetler
Accelerate HQ, Founder

Yair Frank
Self employ, Former Israeli Goverment CIO

Randeep Sudan
Multiverz Pte. Ltd., Founder

Moderator

Oleg Fomichev
Complexprom, Director of Strategic Planning and Development

Deepfakes tech - information wars weapon or ads revolution?

KAZAN HALL, October 23 15:00 — 16:00

Today, AI technology makes it possible to create fake reality that is indistinguishable to humans. The simulation of human images, voice, and text with AI has reached the level of supernativeness and opened a door to a new era of equal attribution of human and artificial intelligence. Humanitarian value versus the risk of losing autonomy: which trend will prevail?

Questions for discussion:

- Which AI-based solutions and services will allow society and business to resist the onslaught of fake reality?
- Can AI become an independent arbiter in identifying fake news?
- How do automated technologies on social and media platforms affect civic life and the rules of interaction?
- How does AI shape our ideas about human autonomy, the legal environment, and justice?

Business program

FUTURETECH: VISIONARIES' TALKS AND INTERVIEWS

Olga Uskova

ATRIUM STAGE, October 23 10:00 — 10:30

Speaker

Olga Uskova
Cognitive Technologies,
President

Future Food: Food Market in 20 years

ATRIUM STAGE, October 23 10:30 — 11:00

Speaker

Andrey Zyuzin
EFKO Innovations, CEO

Joe Barkai

ATRIUM STAGE, October 23 11:30 — 12:00

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Cluster talks. Moscow and the world. Success stories

ATRIUM STAGE, October 23 12:00 — 13:00

Erwin Verstraelen

ATRIUM STAGE, October 23 13:00 — 13:30

Erwin Verstraelen, Chief Digital and Innovation Officer, Antwerp Port Authority

Speaker

Erwin Verstraelen
Port of Antwerp, CDIO

Nature-like technologies - Key Trend of Science Development

ATRIUM STAGE, October 23 14:30 — 15:00

The concept of creating a nature-like technosphere as a natural stage of the scientific and technological development of civilization is described. The problems and results of the formation of convergent NBIKS technologies as a tool for creating a nature-like technosphere are investigated. The problems are considered, the solution of which is necessary for the accelerated development of nature-like technologies in Russia. Co-author of the report: Oleg Naraikin Stepanovich - Vice-President of the Kurchatov Institute.

Speaker

Mikhail Kovalchuk
Kurchatov Institute, President

Virtus.pro - intervew

ATRIUM STAGE, October 23 15:00 — 15:30

Future is quantum - Yes, No or Superposition

ATRIUM STAGE, October 23 15:30 — 16:00

Jacob Biamonte, Associate Professor at the Skolkovo Institute of Science and Technology and Lead of Skoltech's Deep Quantum Labs

Business program

Witte ~ October 23 ~ Futuretech

SMART DATA

Business and Ecosystems: Future in the Clouds

Witte, October 23 10:00 — 11:00

Clouds have become one of the most popular and fastest growing technologies in the world. The total growth of the public cloud services market in the next 5 years will be 22.3%. By 2023, Public Cloud services will reach $ 500 billion (IDC), making them one of the largest technology markets in the world. The reason for such a demand for cloud technologies, both among large businesses and SMEs, is the universal value of cloud services. Cloud services have allowed large companies to become more flexible, increased their efficiency and significantly reduced the time to launch new products and services. For small and medium-sized businesses, the clouds lowered the threshold for entering the market and provided access to business tools that were previously available only to large companies.

Main questions:
• Why are clouds becoming the global business standard? What do they give to companies, what values do they bring?
• How do cloud technologies affect the business landscape and create new markets?
• Why have clouds become a driver for the development of advanced technological solutions: smart cities, unmanned vehicles, the Internet of things, and robotics?

Insurance Algorithms - AI, Data and Digital trace changing the industry

Witte, October 23 11:15 — 12:15

Insurance is an industry, in which risk forecasting is the key to a company's successful performance in the market. Information and data are necessary for forecasting accuracy. The more there are, the more accurate the risk assessment is. Here again, artificial intelligence (AI), machine learning, and behavioral psychology can help with forecasting and making recommendations.
According to Deloitte, about 40% of insurers who haven't invested in AI technology yet still don't know what benefits it can bring them.
Even today, we can see that telematics and wearable gadgets are used to gather information about the client's driving style in order to predict the degree of risk and probability of an accident. Facial recognition technology predicts possible diseases associated with signs of bad habits, such as alcoholism or smoking. AI and machine learning can minimize the likelihood of fraud and save insurance companies billions of dollars.

- How are AI and data analysis transforming the insurance industry?
- How do innovative technologies help insurance companies save time and money?
- What new types of insurance appear with the introduction of digital technologies?

Speakers

Giorgio Callegari
Generali Russia & CIS, Chairman and CEO

Alexey Vigdorchik
Allianz Life, Director of products development and portfolio management department, medical and life insurance

Moderator

Dmitry Dolgikh
KPMG in Russia and the CIS, Partner, Deal Advisory, Insurance and Actuarial Services

Retail and Digital effect: What is Hidden behind the Black mirror

Shopping of the future - how will it lool like? How do digital technologies determine the emphasis of retail development?

Today, artificial intelligence (AI) and machine learning make it possible to generate customized offers. Almost all consumer actions are captured and turned into a huge amount of Big Data, the collection of which facilitates the widespread dissemination of the Internet of things (IoT). As customers migrate between online and offline realities, they leave the consumer footprint that is shared with them, allowing brands to create a seamless, personalized customer image.

The integration of AR / VR technologies provides the buyer with almost the entire range of feelings: now there is no need to see, feel or test the product in person. While by 2021 the cost of e-tail will reach $ 5 billion, and the volume of returns is projected at 25%, AR will help maintain sales, because the consumer will more fully understand what he is acquiring.

Siri, Alexa, and Google Assistant help order products or subscribe. All the user has to do is ask. Chatbots delight their customers with an instant response and are ready to book a hotel room or a flight.

- Personalization, Mcommerce, omnichannel, chat bots, voice assistants, total automation - what other trends await retail in the future?
- How to analyze big data about consumer behavior and use it to increase sales?
- Price-cutting no longer works. What strategies help keep customers loyalty?

Speakers

Andrej Bievetski
SAP Labs, Managing Director

Andrei Revyashko
WILDBERRIES, CIO

Pier Paolo Celeste
Italian Trade Agency, Director

Sergey Lebedev
ALIBABA.COM (RU), GOVERNMENT RELATIONS DIRECTOR

Moderator

Ekaterina Rogacheva
KPMG in Russia and the CIS, Director, Consumer Markets

Expert

Sergei Glamazda
Nielsen, New Verticals Director (OTT, Sports, Auto)

S-commerce – the art of social selling

Witte, October 23 13:45 — 14:45

Today, we can see how the boundaries between social networks and eCommerce have become blurred, forming a new way of shopping: Social Commerce or sCommerce. Facebook, Instagram, and Snapchat - Generation Z and Millennials inhabited social networks and messengers and they are less willing to leave the comfortable Web environment. Since the younger generation stimulates demand and changes cultural and consumer preferences, there is a paradigm shift in online trading towards social shopping.

In China, scommerce has become a sales standard and more than half of Chinese users make purchases through social applications or WeChat. In Russia, the market volume of goods and services in social networks has approached 11%.

One of the most important technology trends in the development of social commerce is machine learning (ML), artificial intelligence (AI), and Big Data. They allow information to be personalized based on the interests of the audience, profession, post viewing time, and many other behavioral data. Technologies today can recognize our speech, images, and actions; and create omnichannel, establishing a single space, where social networks integrate with e-mail, browsers, and applications. For example, deep learning helps Facebook determine which ads are right for certain users. Using the AI/ML mechanism, the company can recommend potential content and predict an expected purchase.

- Will social commerce become the new alternate reality of eCommerce?
- Which technologies will be the basis for the development of social commerce today and in the near future?
- How can data usage be made as convenient and efficient as possible for companies?

Speakers

Natalya Baskind
PepsiCo, Digital and
eCommerce director Russia and
CIS

Irina Denezhkina
VK.COM, Head of E-Commerce

Moderator

Zackes Brustik
Marzavan & Gätke
Partnerschaft, moderator,
coach, consultant

Patent landscape "Quantum technologies"

Witte, October 23 15:00 — 16:00

В настоящее время квантовые технологии во всем мире проходят период интенсивного развития, формируя широкую технологическую повестку исследований и разработок в сфере квантовой обработки информации и квантовой связи.

Ростелеком, ФИПС и Иннопрактика представляют исследование, которое раскрывает современное состояние развития квантовых технологий, выявляет ведущие мировые компании, показывает движения компаний на рынках.

На сессии будут представлены выявленные ключевые инсайты, как технологической, так и бизнес-направленности, и даны рекомендации российским компаниям по реагированию на современные тенденции квантовых технологий и связанные с этим риски.

Speaker

Boris Glazkov
Rostelecom, Vice President
Strategic Initiatives

Moderator

Alexey Odinokov
Innopraktika, IP

Business program

SUPERCHALLENGES AND SUPERMAN

AI in Disease Diagnosis and Medical Decision Making

Smith, October 23 10:00 — 11:00

A few years ago, a provocative article was published by Vinod Khosla, the world-famous Silicon Valley investor, entitled "Do We Need Doctors Or Algorithms?". According to the author, in a few years, some types of healthcare professionals will be made redundant by Artificial Intelligence (AI). Are smart algorithms really superior to doctors when it comes to classifying and predicting results based on various factors?

Recently, researchers from the University of Nottingham, UK created a system that can scan patients' routine medical data and predict which ones will have heart attacks or strokes within 10 years. Compared to the standard prediction method based on well-established risk factors, such as high blood pressure, cholesterol, age, smoking, and diabetes, the AI correctly predicted 355 more patients at risk of dying from heart attacks.
Already today, AI has learned to detect cancer with an accuracy of 95%, while in 30% of cases, doctors do not diagnose cancers with a diameter of less than 1 cm.
In 5-10 years, AI will be able to completely transform the diagnostic imaging process.

- But does this mean that the profession of a radiologist in the near future will lose its relevance?
- What is the power of "hybrid intelligence" in diagnosing and determining the path of treatment for a patient?
- By what criteria can we evaluate the work of AI?
- What are the risks of using AI in diagnosing?
- Can AI reduce the cost of medical services in the near future?

Speakers

Hans-Aloys Wischmann
Philips Research, Head of Data Science and AI

Sergey Sorokin
LLC "Intellogic" (Botkin.AI), CEO

Yakov Zhitomirsky
Hadassah Medical Center, Digitalization Field Manager

Anna Mesheryakova
Third Opinion, CEO

Martin Ciupa
MindMaze, CAIO

Pavel Roytberg
Care Mentor AI, Founder

Moderator

Vladimir Geraskin
OOO PwC Advisory, Director

Longevity - Pharmtech serving the Eternal Life

Smith, October 23 11:15 — 12:15

Many diseases of the modern world are associated with aging. According to UN forecasts, the population of our planet older than 80 years will triple by 2050 from 143 million in 2019 to 426 million.

Drug therapy using senotherapeutic agents, rapamycin (sirolimus), or even a cheap diabetes drug (Metformin) is one of the most popular areas of research. Regenerative medicine is ready to extend life by using stem cells taken from the placenta to regenerate cells and tissues or organs printed using the 3D bioprinter that will replace the damaged ones.

- Biohacking, implantology, cryopreservation, Internet of bodies - who will give eternal life to humanity?
- Can we conquer ageing?
- How can we become healthy enough to increase life expectancy by 5, 10, or even 50 years?
- What progress has already been made in the search for an elusive source of youth?
- What are the opportunities for investors in the longevity industry, whose value is estimated at trillions of dollars?
- What lies behind longevity? What are the demographic risks and contradictions of longevity?

Speakers

Quentin Vanhaelen
Insilico Medicine, Director, Virtual Human Project

Cecile Cai
36Kr, Senior analyst

Evgeny Izumchenko
University of Chicago, Assistant Professor

Anastasia Georgievskaya
Haut.AI, CEO

Leonid Melamed
Team Drive, Chairman of the Board

Moderator

Victoria Samsonova
KPMG in Russia and the CIS, Head of Healthcare & Pharmaceuticals

Expert

Mikhail Getman
ENROLLME.RU LLC, Founder and CEO

Biohacking of Athletes. Champions without Doping ...

Smith, October 23 12:30 — 13:30

The new era of sport is a reality. Today in order to achieve world records, an athlete must exceed the natural biological limits.

94% of all swimming events at the Beijing Olympics were won in Speedo's LZR Racer suits. In December 2008, the LZR Racer suit was recognized by FINA as "technological doping."

Oscar Pistorius, using Össur Cheetah Flex-Foo running prostheses, was the second in the 400-meter preliminary race and advanced to the semi-finals at the London Olympics.

The International Association of Athletics Federations (IAAF), suspended Pistorius from the start on the basis that the "spring" prostheses give the athlete a significant advantage over ordinary runners. Pistorius challenged this decision in the Court of Arbitration for Sport, which overturned the IAAF decision on May 16, 2008, allowing Pistorius to continue to compete.

Modern scientific achievements in the field of high technology and biomedicine allow athletes to achieve victories and show new records. What is it? A new stage in the development of sports or is it a new type of doping?

Key discussion topics:

- Gadgets implanted in athletes. What kindy? How to implant? What is their value to athletes?
- Modification of key "knots" with digitally controlled prostheses, chip tuning of muscles, reactions, motor functions — is this real? How legal is it?
- Bio/technohacking or new gear technology? What is better?

Speakers

ANDREI DAVIDIUK
LLC Motorica, CD

Irina Zelenkova
ROC Innovation center, Director of sport science

Oleg Teplov
VEB Innovations, LLC, CEO

Moderator

Vladimir Voloshin
Newman Sport, Managing Partner

Smartphone Superstar: digital media, contents customization, making superpopular digital channels

Smith, October 23 13:45 — 14:45

Video content accounts for almost 58% of total Internet traffic, according to a 2018 Sandvine study.

What we look at and how we look at it has changed dramatically over the past decade. Industry 4.0 is shaping a new reality of video content consumption. Today, cable television, which was at the peak of its popularity a few years ago, has been replaced by customized content providing streaming or over-the-top technology (OTT). Streaming technology gives us access to the entertainment events that we want, where we want it, and when we want it. Most importantly, it provides an interactive experience, everything that was unaffordable with the old broadcast technology. Netflix, for example, wants the audience to create content themselves, which can influence the storylines of certain TV shows. Netflix, Amazon, and Hulu use algorithms that make decisions about starting or continuing TV series or shows and divide subscribers based on their behavior: Did we watch the first episode of the series to the end or not? Which shows received the most feedback? And so on.

Streaming platforms have also spread in the gaming industry. Game downloads, streaming channels, such as Twitch or Mixer, which live stream gamers playing video games, are gaining momentum in terms of the amount of traffic consumed. The popularity of game streaming is aided by the growing demand for eSports in conjunction with the launch of 5G mobile networks.

- Will full live streaming replace traditional TV?
- Who will win in the battle between the streaming platforms?
- Predictive Analytics and Big Data: which technologies will help to retain the audience and which will be unclaimed in a few years?
- What distinguishes Russian streaming platforms from major international ones?
- Profile of the future consumer: who are they and what are their needs?

3D bioprinting: challenges and prospects of tissue printing

Smith, October 23 15:00 — 16:00

20 people die daily in anticipation of their turn for an organ transplant. Every year, the number of people on the waiting list for organ transplants becomes higher and higher, while the number of donors and transplants decreases.

Artificially grown human organs become a kind of "holy grail" to solve this problem. 20 years have passed since the first 3D printing of the human liver in 1999. Today, technology continues to evolve. In December 2018, in space under zero gravity conditions, human cartilage tissue from tissue spheroids (chondrospheres) was printed using magnetic levitation assembly using the Organ.Avt original magnetic bioprinter. The expected growth in 3D printing is estimated at 36% by 2022.

- What is the future direction for 3D bioprinting?
- Will 3D bioprinting technology be available only to those who can afford it?
- Are printed organs safe for humans? Who takes responsibility for safety?
- Printed organs to create an improved version of a person, won't this lead to inequality? For example, transplantation of muscles that do not tire and are capable of superpower, etc.

Speakers

Jayakumar Venkatesan
Valles Marineris International
Private Limited, CEO

Vladimir Komlev
A.A. Baikov Institute of
Metallurgy and Materials
Science, Russian Academy of
Sciences, Director

Vladimir Mironov
3D bioprinting solutions, Chief
Scientific Officer

Nikita Minaev
Institute of Photonic
Technologies, FSRC
"Crystallography and Photonics"
RAS, Head of Laboratory

Moderator

Yusef Khesuani
3D Bioprinting Solutions,
Managing Partner

Business program

Weber ~ October 23 ~ Futuretech

DIGITAL TRANSFORMATION TECHNOLOGIES

The era of superintelligence: Russia's leadership opportunities in the global market (AI)

Weber, October 23 10:00 — 11:00

According to a PWC study, the introduction of artificial intelligence (AI) technology could lead to an increase in global GDP of 14% or $ 15.7 trillion by 2030, with the economies of China and North America benefiting the most.

Russia, despite its rather strong scientific base and high potential for training in the field of mathematical and natural sciences, as a rule, is not considered as one of the potential leaders in the global AI arena: due to the structural and institutional features of the Russian economy, it always turns out to be the creation of real and globally competitive businesses.

The Russian state today is actively broadcasting the intention to reverse this situation through the tools available to it - the national program "Digital Economy", the National Strategy for the Development of Artificial Intelligence, and even a specialized federal project. Are these efforts sufficient to radically improve Russia's position in the global market?

The participants in the discussion will analyze the current trends in the Russian and world markets of AI solutions, consider the key barriers that Russian companies face when entering foreign markets, and discuss how the state can effectively promote the development of the AI industry in our country.

Speakers

Olga Uskova
Cognitive Technologies, President

Mihail Nasibulin
Minkomsvyaz` Rossii, Head of digital economy projects Department

Nikolay Suetin
Skolkovo Foundation, Vice-President on Science & Education

Aleksandr Buhanovskii
ITMO University, Head of National Center for Cognitive Technologies, Director of School of Translational Information Technologies

Andrey Belevtsev
Gazprom Neft, CDO

Alexey Odinokov
Innopraktika, IP

Moderator

Oksana Tarasenko
Ministry of economic development of the Russian Federation, Deputy Minister

The era of quantum technology: from uncertainty to precision

Weber, October 23 11:15 — 12:15

According to Market Research Media's forecast, the quantum computing market in 2015-2020 will reach USD 26 billion. March 23, 2018.

Developments in the field of quantum technologies are associated with the latest discoveries and achievements of modern physics, allowing for ultra-fast computing operations with large data arrays, completely secure banking transactions, and high accuracy measurements.

Solutions in this field are one of the Russian Federation's priority areas of technology development.

Key world countries are actively using achievements in the field of quantum technologies to solve tasks involving information security, high-accuracy measurements, and ultra-fast calculations. The Government of China is implementing a fiber-optic quantum network in the economy nationwide. All kinds of quantum communications are attract the attention of Chinese researchers. Today, information can be transmitted in a completely secure way using a satellite orbiting the Earth. Large corporations are also actively involved in the quantum race. For example, Google, which is leading the quantum race after creating a 72-qubit quantum processor, is developing new quantum algorithms to increase the speed of calculations. Airbus has launched a large-scale competition to solve applied problems, such as optimizing aircraft shape and fuel consumption during takeoff using quantum technologies. Volkswagen and Ford are already using the power of a quantum computer to optimize traffic flows. D-Wave is actively implementing its developments in various fields. For example, their quantum computers are used by medical centers to optimize calculations of the amount of radiation needed to kill cancer cells in patients.

Topics for discussion:

- Quantum Technology: Practical Aspects of Application,
- Quantum Revolution 2.0: At the Crossroads of Basic Science and Industry.
- Quantum Computer: Capabilities and Threats.
- Quantum Cryptography: Protection Guaranteed by the Laws of Physics

Speakers

Ekaterina Solnceva
Rosatom, Chief Digital Officer

Dmitry Zauers
Bank GPB (JSC), Deputy Chairman of the Management Boardd

Moderator

Ruslan Yunusov
Russian quantum center, CEO

The era of high-speed communications (5G)

Weber, October 23 12:30 — 13:30

In a message to the Federal Assembly of the Russian Federation, the President of the Russian Federation announced the task of achieving a scientific and technological breakthrough. By presidential decree of May 7, 2018 No. 204. The solution to this problem is directly related to the development of digital technologies.
The state entrusted the development of high-tech areas to leading state-owned companies.
Between the Government of the Russian Federation, PJSC Rostelecom
and Rostec State Corporation conclude an agreement of intent for development
in the Russian Federation, the high-tech field "fifth generation mobile communication networks". Accordingly, PJSC Rostelecom jointly
with Rostec State Corporation, they are developing a roadmap for the development of this technology.
The Ministry of Communications of Russia, in turn, in the framework of the implementation of the national program "Digital Economy of the Russian Federation" developed the Concept for the creation and development of 5G / IMT-2020 communication networks in the Russian Federation.
Rostec State Corporation has developed a roadmap for the development of end-to-end digital technology, Wireless Communication Technologies.
Moreover, the issue of production support for the implementation of fifth-generation communication networks is currently an acute issue. Lack of domestic equipment creates risks for the implementation of the task.
During the session, the whole range of the above issues will be discussed,
including issues of state support to equipment manufacturers and telecom operators.

Speakers

Mihail Nasibulin
Minkomsvyaz` Rossii, Head of
digital economy projects
Department

Alexandr Povalko
RVC, CEO

Moderator

Alesya Mamchur
Rostelecom, Strategic
Development Director

The era of trust technology (Blockchain)

Технология систем распределенного реестра представляет собой новый подход к созданию баз данных, ключевой особенностью которого является отсутствие единого центра управления. Каждый узел составляет и записывает обновления реестра независимо от других узлов.

Использование технологии направлено на установление доверительных отношений в цифровой среде, обеспечение прозрачности истории транзакций, улучшение отслеживаемости действий внутри процессов, децентрализацию хранения и обработки данных, обеспечение безопасности обмена данными между участниками процессов и защиту данных от несанкционированных транзакций. Основные эффекты от применения решений на базе «сквозной» цифровой технологии распределенного реестра заключаются в сокращении числа посредников, автоматизации отдельных процессов, повышении отказоустойчивости систем и генерации дополнительной выручки, в том числе за счёт сокращения издержек.

Текущий объем рынка систем распределенного реестра Российской Федерации равен 2.4 млрд руб., потенциальный объем рынка в 2024 году составит 317 млрд руб., а потенциальный совокупный прямой экономический эффект от реализации потенциала технологии в России – 782.1 млрд руб.

Список тем к секции по направлению «Системы распределенного реестра»

1. Отраслевые и межотраслевые консорциумы как драйвер развития систем распределённого реестра.
2. Реализация крупных межотраслевых проектов на основе систем распределенного реестра.
3. Как технологии распределённого реестра повышают качество взаимодействия государства и бизнеса.
4. Отечественные разработки и BaaS на международном рынке.

Speakers

Sergei Matveev
Federation of intellectual property, federation president

Edward Lysenko
Department of information technologies of Moscow, Minister of the Government of Moscow, head of the Department

The era of data generation: From each according to his ability, to each according to his need

Концепция «Интернет вещей» представляет собой совокупность направлений, основой которых являются технологии идентификации, измерения, сбора, передачи, обработки информации с датчиков, сенсоров и других физических предметов («вещей»), направленных на создание инфраструктуры объединенных информационных сетей для взаимодействия как друг с другом так и внешними системами, с возможностью удаленного контроля и управления без участия человека.

При этом в Российской Федерации интернет вещей находится на этапе прототипирования и демонстрации в условиях эксплуатации. Однако в мире решения в области интернета вещей уже вовсю вышли на уровень производства и экспорта продукции.

Развитие концепции важно для таких отраслей экономики, как Здравоохранение, ЖКХ, Транспорт, Электроэнергетика, Промышленность, Сельское хозяйство, а также в сферы «Умный город» и «Умный дом».

Потенциальный экономический эффект от внедрения интернета вещей в приоритетные отрасли экономики Российской Федерации составляет 2 102 млрд руб. накопленным итогом к 2024 г.

Список тем к секции по направлению «Интернет вещей»

Интернет вещей – концепция, а не технология. 1.1. Почему происходит подмена понятия.

Межотраслевой обмен лучшими практиками внедрения Интернета вещей. . Препятствия во взаимодействии государства и бизнеса в области Интернета вещей.

Интернет вещей как основа градостроительной концепции «Умный город».

Отечественный рынок Интернекта вещей в сфере «Умный дом»

Business program

Plekhanov ~ October 23 ~ Futuretech

Innovations Ecosystem: Furthering Evolution

Plekhanov, October 23 10:00 — 11:00

The session will focus on the main dimensions of the innovation ecosystem:

- The government dimension is the main driver for developing the innovation ecosystem;
- The digital dimension is the introduction advanced platforms and implementation of Federal Target Programs in this area;
- The information dimension is the communication and interaction between the subjects of the innovation ecosystem and the society;
- Human dimension is the problems of human capital formation.

Speakers

Natalia Popova
Innopraktika, First Deputy CEO

Andrey Svinarenko
Fund for infrastructure and educational programs, General director

Vladimir Mesropyan
Analytical Center for the Government of the Russian Federation, Head of Project office

GOING GLOBAL. Best International Practices and Success Stories of Innovation Support. EU-Russia Ties (EEN).

Plekhanov, October 23 11:15 — 12:15

International cooperation aims at solving many important tasks:
Innovators gain access to global knowledge and participate in cutting-edge technologies development, companies are given the opportunity to both acquire new technologies and access new markets, and innovative infrastructure can take advantage of the best world practices. The most effective way to establish such cooperation are global networks based on advanced ICT, where one of the leaders is the Enterprise Europe Network (EEN).

Think out of the box, think digital. Engineering in digital transformation of industrial companies

Plekhanov, October 23 12:30 — 13:30

Digital transformation is not just about automating processes, it involves changing the business strategy, corporate culture, and sales system, team and process management, as well as even more radical changes, when brand new products and technologies are created. What is the role of engineering in this process and is it able to accelerate the digital transformation of the industry?

In unity, there is strength. EAEU Innovation Ecosystem

Plekhanov, October 23 13:45 — 14:45

Integration processes in the EAEU territory are actively expanding and penetrating into all spheres of social life and economy. Are integration institutions and supranational regulation playing a significant role in the development and support of innovations in EAEU, what are the existing and planned programs to support innovations in EAEU and in the activities of the Eurasian Economic Commission? Experience of functioning of development institutions and infrastructure organizations of the EAEU countries.

BUSINESS DIALOGUE "TECHNOLOGICAL DRIVERS FOR EXPORTS DEVELOPMENT"

Plekhanov, October 23 15:00 — 16:00

Integration into global value chains (GVCs) is often considered as an important tool for expanding exports. The nature of the economy integration into GVCs (primarily, in terms of the volume of added value in exported goods) reflects the level of development of any industry within the national economy.
We currently observe a decrease in Russian exports complexity index. However, the rate of exports of services, including in traditional sectors, remains generally high. At the same time, the trend towards advanced growth of exports of services in ICT sector is evident. Loss of positions in GVCs and reduction of domestic added value may be due to the traditional orientation of enterprises on resource intensive goods, limited demand for high-value-added goods on the domestic market (including due to obsolescence of the standards for products with high processing levels), obsolescence of technologies and low level of innovative activity in order to achieve higher processing levels and upper stages of GVCs.
According to estimates by the Higher School of Economics, imports of goods and/or services are crucially important for exports, especially complex. In terms of the share of processed products in the exports structure and its growth in 2000-2017, Russian economy is somewhat similar to the economies of such resource producing countries as Norway, Chile, Australia and Argentina. Prior to 2009 Russia implemented the strategy of dropping out of GVCs, localisation, exporting simpler goods and reduction of domestic added value in final foreign consumption. Since 2009 Russia has demonstrated the tendency towards fostering the assembly processes from domestic and imported components and the exports of more complex goods. In general, by 2014, in comparison with 2000, foreign added value in Russian exports decreased by 13 %, and domestic added value – by 22 %.
The technological and especially digital gap may enhance risks of the global market fragmentation and may lead to discrimination on technological development and economic opportunities in general. It is related to the prospects for shaping the groups of economies based on the most advanced technological platforms. In this regard, it is crucially important to create an up to date competitive product by means of applying the best global technologies and components.
Topics for discussion:
• What technologies are the most decisive for the competitiveness of Russian products and solutions?
• What technological innovations are required to establish Russian enterprises able to compete with the best global ones, in particular those originated from Asia?
• What changes are required for developing integration of imported solutions and components to contribute to Russian exports growth/ integration into GVCs?
• What industrial sectors are the most promising in terms of Russian exports development?

Business program

Keynes ~ October 23 ~ Futuretech

PRODUCTION, EXTRACTION AND TRANSPORT

Industrial Digital Twin and IoT ecosystem

Keynes, October 23 10:00 — 11:00

With the development of algorithms for data analysis, tools for collecting and reading these data, and automating processes, a digital twin of production allows for more efficient use of cyber-physical systems to solve specific production problems. Mathematical models make it possible to analyze the information received through the Internet of Things infrastructure for each production element, to calculate the impact of external and internal factors on the entire production system, and to prevent or at least reduce downtime. For example, at one of the European production facilities, the Schneider Electric predictive analytics system had managed to predict the failure of a large compressor for 25 days before it happened. This saved the company several million dollars.

Due to the models' complexity, digital twins offer great potential for the use of trainable neural networks. They also make it possible to translate full-scale tests in a virtual format, significantly reducing the test time, and to obtain data with a separate unit that can be scaled for the entire production facility, without the risk of losses. Digital twins help to predict the reaction of products to operating loads or to simulate the behavior of complex systems by dividing them into many elements.

- Topics for discussion:
- Models and methods of predictive analytics and modeling of possible scenarios are the most effective ones from the economic point of view?
- Balancing the cost, complexity, and scale of the tasks of using digital twins: how to choose the right strategy to avoid financial losses during the implementation?
- Data cybersecurity when using digital twins?

Speakers

Joseph Barkai
JBMC, Principal

Evgenii Charkin
RZD, CIO

Aleksei Borovkov
Peter the Great St.Petersburg Polytechnic University, Vice-Rector for Advanced Projects, Head of the National Technology Initative Center for Advanced Manufacturing Technologies, Professor

Erwin Verstraelen
Port of Antwerp, CDIO

Moderator

Nikita Utkin
PBK, Chairman, Head of Programs

On the wave. New deal in the World Ocean Development

While the natural resources of the land are inexorably approaching zero, the ocean depths store resources that a few tens or even hundreds of years ahead can support future generations: limitless sources of energy, mineral resources for industrial development, medicines, and food. The experience of developing the marine industry in China, South Korea, and Japan shows a huge potential in creating new markets with volumes of more than USD 20 trillion. For Russia, ocean development is a priority for long-term and stable growth and for its role and influence in the world.

- However, there remains the important question of how to maintain a balance between environmental issues and the economic development of the marine industry.
- How can business and government unite their efforts to achieve common goals of the ocean development without damaging the nature?
- Can the ocean development strategy become one of the new national projects for Russia?

Speaker

Boris Shmitko
VEB.RF, Vice President

New Challanges. Making Money out of Big Data in Transport

Keynes, October 23 12:30 — 13:30

We live in an ever-growing volume of data and this is becoming the basis for the development of digital products and services. Including, these are dynamic data generated during the operation of automobiles.
Now the information is poor quality and highly fragmented, it goes to the platforms of automakers, operators of monitoring and security search services and other systems. This prevents the widespread adoption of "artificial intelligence" technologies and the processing of "big data", the emergence of new markets and competitive products based on these data.
Every year, the number of cars with intelligent avionics continues to grow steadily. The telematics data of on-board devices are of great value in the "AutoNet" area, for which a serious struggle has already begun between many companies.
According to experts, by 2025 the total amount of data will be 175,000 Pbytes. Already 40% of Russian cars are equipped with data transmission systems, 12% are equipped with more than one system. By the end of 2020, there will be more than 6 million personal cars connected to the ERA-GLONASS emergency response system and about 3 million smart insurance users on Russian roads.

- How will big data be commercialized in the transportation sector?
- To whom should they belong?
- How many terabytes of data is needed to create a new economic industry?
- What technologies of their transfer are used most often?
- How to prevent remote car theft?
- When will the "smartphoneization" of transport be completed and who will be responsible for the loss of your data?

Speakers

Moderator

Alessandro Apicella
Municipia Spa, International
Business Development

Alexander Gurko
RG NTI AUTONET / NP GLONASS,
President

Pavel Kozlov
HERE Technologies, Business
Development Director, IoT

Alexei Romanenko
KPMG in Russia and the CIS,
Partner, Head of Management
Consulting, Head of
Infrastructure and Transport

Mike Melanin
nopilot.ai, CEO

Think Digital – Be Material. What will the world of Digtal Era made of.

Keynes, October 23 13:45 — 14:45

Active integration of digital solutions and products into everyday life is still not able to replace the need to move in space on different vehicles: airplanes, cars, motorcycles, trains, ships, engage in various sports that use advanced sports equipment, live in reliable homes, use infrastructure, various types of energy and much more. And the development of all these areas of human life is impossible without new materials.

Rosatom is actively developing the production of promising materials based on the latest technologies. One of Rosatom's activities in this area is the production of polymer composite materials based on carbon fiber based on the UMATEX division, the largest producer of carbon composites in Russia.

The participants in the discussion will discuss the achievements of the domestic industry of new materials, the launch of promising projects aimed at developing the market, creating infrastructure for the development of new industries in the field of new materials.

Digital Technologies in Oil and Gas Upstream

Keynes, October 23 15:00 — 16:00

In the same way that oil saturates the reservoir, data and advanced analytics are beginning to saturate the oil and gas industry. Profiting from oil and gas field development and production depends more and more on big data acquisition and processing. It's not only about processing and visualizing ex. seismic data to determine the best spots for drilling, but also about the collection and rational use of the various sets of data from a given field:

- Geophysical surveys of all scales
- Telemetry of drilling equipment, pumps and other machines at the field
- Dynamics of production

All these aim to use machine learning and optimization algorithms to increase the profitability of field development and reduce risks associated with geological uncertainties.

For example, "Smart Field" systems, which combine IoT, Big Data and AI, are entering use. There have been rumors in open sources that Smart Field technology has allowed one of the leading international oil companies to increase overall oil recovery by 10%, gas recovery by 5%, and to bring new production to wells that were previously unprofitable due to their remoteness.

However, even in the oil and gas industry you need to be able to separate the solutions that genuinely increase profitability from those that are just a pipe dream.

Topics for discussion:
• What is the main value of digital solutions in the processes of exploration and production?
• What are the main technological challenges to the monetization of artificial intelligence technologies, and where are the low hanging fruits?
• Should we standardize the oil and gas UPStream data?
• Is "Data Lake" a single AI development concept in mining enterprises? Are there alternatives?

Moderator

Dmitry Koroteev

Digital Petroleum, Founder and
CEO

Business program

Pareto ~ October 23 ~ Futuretech

RAIF (Russian Artificial Intelligence Forum)

On the Edge of AI. Breakthrough cases

Pareto, October 23 09:45 — 11:30

The session focuses on deeper, applied, and at the same time fundamental challenges on the way of AI application today - on the way of ML deployment in the company - both with the vendor and with the customer corporation.

Attacks on trained models are becoming increasingly frequent. Companies should take priority over protecting the model architecture. Misinterpretation of the model operation or lack of control over the use of its results can lead to disaster or financial losses.

The speakers will discuss:

- How to build machine learning if there are no proprietary data or they are critically scarce and you need to run the process as soon as possible?
- How to generate data from a small dataset and train a model based on it?
- How to handle Big Data with interruptible virtual machines?
- What is Meta Learning and how to use it?

Speakers

Vadim Abbakumov
Gazprom neft - Alternative Fuel, chief expert-analyst

Irina Pimenova
Jet Infosystems, Head of the department

Stanislav Kirillov
Yandex.Technologies, Lead developer

Sergey Nikolenko
Synthesis AI, Chief Research Officer

Andrei Filchenkov
ITMO University, Associate Professor

Mathematics of Manufacturing: tech changing industry

Pareto, October 23 11:30 — 12:45

The rapid spread of sensors and add-on devices has boosted the industry interest in collecting and analyzing Big Data from production processes in order to optimize them.

Speakers will talk about and discuss:

- How to create and maintain mathematical models in a dynamically changing production environment;
- How to keep the model up-to-date or implement it in the shortest time;
- What are ML methods fit best for certain cases;
- What are the approaches to the calculation of the economic impact and how to understand in advance whether the implementation will bring profit;
- How to combine historical data with streaming data to create dynamic real-time production forecasts.

Speakers

Boris Voskresenskii
Severstal Digital, Head of Data Science

Nikolai Knyazev
Jet Infosystem, Senjor Data Scientist

Emeli Dral
Mechanica AI, Chief Data Scientist

Roman Pavlov
Hitachi Vantara, BigData and IoT business solutions architect

Kirill Ershov
Zyfra, Data Scientist

Inevitable AI: Making Profit out of AI Implementation

Pareto, October 23 12:45 — 13:45

Hype does not cease, investments are pouring. But time after time, loud press releases are followed by silence, and losses awaited by the expectation of fabulous profits.

In this section, experts will discuss:
how to weed out utopian projects early on;
how to recognize the feasibility of a project and its economic potential;
how to build a conveyor of economically profitable ML-initiatives / hypotheses in your company;
what reefs, risks, obstacles will meet on the way;
who makes decisions, what stages of the project takes the most time, which experts and when to attract, and so on.

Who will benefit from the session: CEO, CIO, CFO, CDO and other managers of companies planning to implement AI to optimize business and technological processes.

Speakers

Mihail Petrov
The Accounts Chamber of the Russian Federation, Head of department

Anton Borisyuk
PepsiCo Holdings, Senior Insights Director, East Europe

Maria Grigorieva
Accenture, Managing Director, Lead of Accenture Technology, Digital and Operations in Russia

Anton Merzlyakov
Tele2, Head of Big Data Analytics

Ruslan Bakeev
Advanced Research Foundation, Project team leader

Boris Glazkov
Rostelecom, Vice President Strategic Initiatives

Moderator

Evgenii Kolesnikov
Jet Infosystems, Director of the Machine Learning Center

Natural Language Processing and conscious dialogue: recognizing, understanding, and responding

Pareto, October 23 13:45 — 14:45

In practical cases, lead experts will understand how to teach AI to recognize speech and respond, what algorithms make speech of assistants, such as Alice or Siri, humane, what breakthroughs in this area to expect, and what are the technology barriers to successful commercial products.

The speakers will discuss:

- Natural language processing, analysis, and synthesis technologies, comprehension and analysis, re-detection;
- Resources for basic NLP tasks (segmentation, tagging, syntax, semantics, etc.);
- Recognition and tracking of topics, subject indexing;
- Emotion recognition;
- Detection of incidents and anomalies in speech, etc.

Session target audience:

- CIOs with deep knowledge of technology, customer service managers, contact center managers, who want to dive deeper into the topic of understanding natural language for business purposes;
- Chief Data Officers and machine learning team leaders looking to learn more useful details for implementing technology in their companies.

Speakers

Pavel Klemenkov
NVIDIA, Chief Data Scientist

Andrey Bezymyannikov
MTS, Product Manager

Konstantin Vorontsov
MIPT, head of laboratory

Olga Kairova
iPavlov, Co-Founder

Moderator

Alexander Baulin
Sberbank, Chief of content production

Big Data Lake Lectures. Deploying data tools

Pareto, October 23 14:45 — 16:45

How to deploy, configure, and use Big Data and how to protect it? Analytics at the speed of 500,000 requests per second. Data collection in the shop of the plant from the 1980s.

Yes, Apache Hadoop and its distributions continue to tear the market apart with data management innovations. Hadoop 3.0 adds managing containers in YARN and object storage in HDFS. In this track, the speakers will present these and other achievements in the field of Big Data based on Hadoop and other platforms.

Crushing technical lectures about hybrid and multicloud data architecture to optimize data allocation, flexibility, ease of scalability, and fast implementation of solutions into production.

Session target audience:

- CIOs with in-depth knowledge of technology and Chief Data Officers, Big Data architects and machine learning team leaders who want to learn more about the compute-intensive and storage ecosystems with open source code, as well as model management throughout the development cycle with high availability and application of the latest DevOps practices.

Speakers

Alexey Dral
BigData Team, Founder, CEO

Boris Novikov
Higher School of Economics, Professor

Aleksandr Motuzov
NLMK, Head of Data Scince

Alexey Katkevich
Jet Infosystems, Architect

Artem Geniev
VMware, Principal Business Solutions Strategist

Vsevolod Grabelnikov
Yandex.Cloud, Cloud Solutions Architect

Vadim Gusev
Huawei, Head of AI and Big Data Team

Svyatoslav Sukhov
Dell Technologies, Regional Manager

Additional program

RVC Booth ~ October 21 ~ Digital human

Partner track

The Forum official opening ceremony live broadcast

RVC Booth, October 21 10:30 — 11:00

Technology enthusiasts and business. Are there any prospects?

RVC Booth, October 21 11:00 — 12:00

How can technology enthusiasts interact with the business? Can a business act as a customer of developments for engineering circles? What mechanisms exist for involving technology companies in the technology enthusiast community and how should the circle movement change in order to become interesting to the technology business?

Experts from the Russian maker community will share successful cases and discuss key industry trends.

The Bell Talks

RVC Booth, October 21 12:05 — 12:50

The Bell Talks

RVC Booth, October 21 12:50 — 13:35

Additional program

RVC Booth ~ October 21 ~ Digital human

Partner track

Digital Centaurs: How Humans and AI Will Work Together in the 21st Century

RVC Booth, October 21 13:40 — 14:40

С появлением компьютеров и, особенно, технологий искусственного интеллекта, начали формироваться симбиотические отношения, в которых люди и программы вместе решают проблемы эффективнее, чем по отдельности. Для описания этого феномена Гарри Каспаров после поражения Deep Blue в шахматы ввел в обиход понятие "цифровой кентавр" – система из людей и машин, которые за счет правильно организованного взаимодействия работает эффективнее, чем самые сильные люди и лучшие компьютерные решения. Развитие технологий открывает возможности по созданию универсального (сильного) ИИ, который решает задачи широкого профиля, и, в том числе, формировать человек-машинные системы широкого профиля. Одной из ключевых технологий, которая обеспечит эту трансформацию, является обработка естественного языка (natural language processing), включая технологии "понимания" машиной смысла текста и написания текстов человеческого уровня качества.

В рамках дискуссии будут обсуждаться вопросы:
• Какие применения таких технологий в различных бизнесах?
• Как изменится работа специалистов разных областей с появлением "цифровых кентавров"?
• Какие существуют подходы в обработке естественных языков, которые обеспечат достаточное качество решений?
• Какие инициативы и проекты приближают формирование этого стека технологий?

Модератор:
Юрий Молодых, директор по развитию в Технологические конкурсы UpGreat

Спикеры:
Иван Ямщиков, профессор, Университет Макса Планка, AI-евангелист ABBYY
Аркадий Сандлер, директор центра искусственного интеллекта МТС
Константин Воронцов, заместитель научного директора компании Форексис, профессор РАН и профессор кафедры интеллектуальных систем ФУПМ МФТИ
Андрей Черток, управляющий директор центра исследования данных Сбербанка

Signing ceremony. RVC – MosTransProject

RVC Booth, October 21 14:45 — 15:00

UpGreat Technology Competitions

Ceremony of awarding the winners of the "Venture Investor" National Prize

RVC Booth, October 21 15:05 — 16:00

Национальная премия «Венчурный инвестор» была учреждена в 2014 году, и вот уже шестой год подряд Торжественная церемония награждения Лауреатов проходит в рамках Московского международного форума инновационного развития «Открытые инновации». Премия призвана поддерживать престиж и доверие к венчурной индустрии, выявить наиболее достойных и уважаемых коллег в профессиональном сообществе, продемонстрировать успехи и представить их широкой аудитории. Премия ежегодно присуждается лидерам российской отрасли венчурного инвестирования – фондам, демонстрирующим высокий класс и культуру инвестиционной деятельности, устанавливающим профессиональные стандарты бизнес практик и определяющим ключевые тренды отечественной венчурной индустрии». В этом году премия будет присуждена победителям в восьми номинациях:

- Лучший венчурный инвестор
- Лучшая сделка ранней стадии
- Лучший выход
- Лучший инвестор в реальный сектор
- Лучший венчурный инвестор в регионы
- Лучшая синдицированная венчурная сделка
- Умные деньги
- Персона года

Экспертное жюри Премии формируется из представителей крупного российского бизнеса, институтов развития, российских и зарубежных экспертов венчурной отрасли, обладающих признанным авторитетом в бизнесе и/или венчурной отрасли.

How Russian drones compete with Uber and Waymo?

RVC Booth, October 21 16:05 — 17:00

Несмотря на постоянный поток новостей о создании и внедрении технологий автономного вождения, тестировании беспилотных автомобилей в Москве, Сколково, Иннополисе и других городах, беспилотники в России все еще остаются экзотикой. Вместе с разработчиками беспилотных автомобилей обсудим, какое будущее у российских компаний на фоне таких мировых гигантов как Waymo, Uber, GM Cruise, AutoX? Какие уникальные преимущества имеют и с какими сложностями сталкиваются российские разработчики? Есть ли уже реальные коммерческие кейсы применения беспилотных автомобилей в России?

Участники дискуссии - эксперты и команды технологического конкурса Up Great «Зимний город», нацеленного на преодоление технологических барьеров в области создания беспилотных автомобилей для зимних дорог.

Модератор:
Константин Кайсин, операционный директор технологических конкурсов Up Great

Спикеры:
Андрей Вавилин, генеральный директор BaseTracK
Андрей Воробьев, зам. руководителя Центра компетенций по разработке ИТС МАДИ
Борис Иванов, руководитель проекта «Беспилотный автомобиль StarLine»

The Bell Talks. Problems assessing startups and industry analytics

RVC Booth, October 21 17:05 — 18:00

Ключевые вопросы: как правильно оценивать стартапы и технологичные отрасли? Почему одни и те же компании оцениваются вполне уважаемыми экспертами прямо противоположно? На что на самом деле ориентируются венчурные инвесторы, вкладываясь в стартапы?

Модератор:
Анна Кожухарь, директор по маркетингу The Bell

Спикеры:
Алексей Басов, инвестиционный директор, РВК
Александр Галицкий, основатель, Almaz Capital
Елизавета Осетинская, основательница The Bell и проекта "Русские норм!"
Олег Малышев, партнер, PWC
Даниил Пленин, MTS Startup Hub
Михаил Федотов, управляющий партнер, RBF Ventures

Additional program

VEB Ventures Booth ~ October 21 ~ Digital human

Partner track

EASTBOUND. Japan Day

VEB Ventures Booth, October 21 12:00 — 13:30

«Export or Die» Workshop - Like in a candy store: how to select a market to pursue?

VEB Ventures Booth, October 21 14:00 — 15:00

How to enchant your investor: rules of attraction for startups

VEB Ventures Booth, October 21 15:30 — 16:30

Partner track

Additional program

Startup Stage ~ October 21 ~ Digital human

Presentations

Technology entrepreneurs Talks, Pitch Sessions, Speeches to Investors

Startup Stage, October 21 11:00 — 11:30

French-Russian collaboration. Building together a 3rd digital way

Startup Stage, October 21 11:30 — 12:00

- How Russia can take advantage of using open source in order to be more independent and to develop its digital sovereignty
- How is it possible to create innovative and scalable digital services that will be alternatives to the solutions of the foreign Internet-giants
- And how the French-Russian collaboration, particularly the French-Russian Digital Business Alliance, could be a great example of successful synergy

Speaker

Alexandre Zapolsky
Linagora, Chairman

Technology entrepreneurs Talks, pitch sessions, speeches to Investors

Startup Stage, October 21 12:00 — 12:30

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Startup Stage, October 21 12:30 — 13:30

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Ways to enhance school wellbeing

Startup Stage, October 21 13:30 — 14:00

The fundamental principle of Finnish education is to provide equal opportunities for learning and growth to every student. This principle includes an aim to remove barriers to learning by enhancing physical and psychological wellbeing among the students and the whole school community. Indeed, wellbeing of the school community is understood even more crucial in the digital world we live in.
In the presentation, we will introduce preventive student welfare services, which are divided into two categories: support to the school community and to individual students.

Speakers

Sari Raisanen
Oulu University Teacher Training
School, vice principal

Raimo Salo
Oulu University Teacher Training
School, Senior Adviser

Softlanding Program Opening

Startup Stage, October 21 14:00 — 15:00

The Skolkovo Innovation Center presents Softlanding program designed to facilitate the entry of foreign companies to the Russian market. The initiative covers five industrial clusters: energy efficiency, information technologies, nuclear and radiation technologies, space technologies and biomedical technologies.

Upon completion of the one-month program the participants will have specific and detailed knowledge about the key aspects of doing business in Russia, as well as a local network of business connections. In addition, the participants will be offered to become a Skolkovo resident, which would allow them to take advantage of tax and customs benefits, access to a range of supporting services and to financial support opportunities.

You may find more information on Softlanding here
https://sk.ru/foundation/international/softlanding/

How to develop your cultural intelligence (CQ) as a digital human?

Startup Stage, October 21 15:00 — 16:00

Worlshop

Speaker

Ekaterina Matveeva
Amolingua, CEO

Demo Day of "UMNIK-Neftegaz" contest

Startup Stage, October 21 16:00 — 18:15

The contest "UMNIK-Neftegaz" is aimed at supporting innovative projects that contribute to the digital transformation of the Russian oil and gas industry. The competition is being implemented as part of the UMNIK Innovation Support Fund program. Authors of the best projects will receive grants in the amount of 500 thousand rubles. The competition is attended by students, graduate students, young scientists, technology entrepreneurs and employees of high-tech companies aged 18 to 30 years.

On October 21, as part of the competition in Skolkovo, will take place Demo Day, where the authors of the best projects, who received high marks at the preliminary stages, will be able to speak to investors and representatives of corporations. The event will be an excellent opportunity for representatives of the venture capital industry and companies to find promising startups for digital transformation of the huge oil and gas market.

We invite business angels, venture investors, representatives of corporations to the UMNIK-Neftegaz Demo Day to get acquainted with the projects. Registration for work in the expert group on the link https://dotcom.timepad.ru/event/1063561/

Additional program

Foresight session

Exhibition of Digital Development Achievements: Enhancing the Export Potential of Russian Developers

Hypercube, October 21 13:00 — 18:30

21 октября 2019 года в здании Центра технологий «Гиперкуб», на территории инновационного центра «Сколково», пройдет Форсайт-сессия: «Выставка достижений цифрового развития: повышение экспортного потенциала российских разработчиков». Организаторы Форсайт-сессии: Федеральное государственное бюджетное учреждение «Координационный центр Межправительственной комиссии по сотрудничеству в области вычислительной техники» Министерства цифрового развития, связи и массовых коммуникаций Российской Федерации (далее - ФГБУ «Координационный центр МПК по ВТ» Минкомсвязи России) и Автономная некоммерческая организация «Агентство по технологическому развитию», созданная 26 мая 2016 года, в соответствии с Распоряжением Правительства Российской Федерации (далее - АНО «АТР»), определят план действий в рамках принятой концепции развития Центра технологий «Гиперкуб», как механизма использования высокотехнологичных решений; состоится подписание Соглашения о сотрудничестве между ФБУ «Координационный центр МПК по ВТ» Минкомсвязи России и АНО «АТР». В план развития, в частности, войдут предложения по участию в Ежегодном форуме «Открытые инновации» в инновационном центре «Сколково» и проведение под эгидой ФГБУ «Координационный центр МПК по ВТ» Минкомсвязи России Международных соревнований в сфере робототехники и информационных технологий International Youth Robot Competition (IYRC 2020) с приглашением участников из 28 стран.

Центр технологий «Гиперкуб» – уникальное пространство, в котором будут представлены передовые достижения российских ИТ-компаний в области «Промышленной революции 4.0» в таких направлениях как Искусственный интеллект, Робототехника, а также ключевым направлениям реализации национального проекта «Цифровая экономика». Он призван стать визуализацией достижений в сфере цифровых технологий, объединяя на одной территории ведущих игроков в данной области; площадкой для комплексной экспертизы, отбора, защиты интеллектуальной собственности и коммерциализации IT-решений с целью активного выхода на международные рынки. На базе Центра технологий «Гиперкуб» планируется акселерация стартапов, отобранных в субъектах Российской Федерации, а также разработка и внедрение международных программ взаимодействия. В перспективе данная площадка должна стать межотраслевым и межведомственным хабом продвижения цифровой трансформации, технологической платформой для комплекса экспериментальных IT решений, центром проектных и инвестиционных активностей.

Additional program

RVC Booth ~ October 22 ~ Intelligent economy

Partner track

Big data for development

RVC Booth, October 22 09:30 — 10:30

Many countries have embarked on large-scale digital transformations of their national economies and are faced with the need to develop and implement data-use policies. Of course, the vast majority of today's and future data sets are generated by the private sector, however, the governments of the leading countries believe that they should not only provide regulatory regulation, build digital competencies, promote research and innovation, but also invest in a secure digital infrastructure, ensuring a fair and ethical data collection and, accordingly, their storage and use.
During the discussion, representatives of the main stakeholders - authorities, business, civil society, the scientific and educational community will present data as a strategic national resource for socio-economic development and discuss the need for a national data policy, its main goals, barriers, implementation tools and impact, which end-to-end technologies have on data policy. International and Russian experts will share best foreign practices and analyze the current situation in Russia.

Agreement signing. RVC - Sechenov University

RVC Booth, October 22 10:30 — 11:00

Big Data for Development. Discussion

RVC Booth, October 22 11:35 — 12:30

Venture investor Alexei Soloviev will hold a master class for startups and growing technology projects on building a business model and interacting with investors. The expert on the example of applied cases will analyze the main elements of a successful business model: the goals of attracting capital, product packaging for the investor (market, business, finance), financial model, investment attractiveness factors, types of investors, search and communication with investors.

Investor's workshop by A.Solovyov

RVC Booth, October 22 11:35 — 12:30

Спикер:
Алексей Соловьев, венчурный партнер Skolkovo Digital

Biotechnology Market Growth Points

RVC Booth, October 22 12:35 — 13:30

According to experts, the global biotechnology market in 2025 will reach a level of 2 trillion US dollars, the growth rate in individual market segments ranges from 5-7 to 30% annually. The main areas of biotechnology use are: medicine and pharmaceuticals, agriculture, industrial production, energy and environmental protection. The use of biotechnology provides a reduction in the cost of production of the food industry and agriculture; allows to significantly improve and improve the sphere of environmental protection; leads to the development of biomedicine and the emergence of new effective and affordable biopharmaceuticals. What are the prospects for market development in 2020? How to stimulate the emergence of new projects and in which products are corporations and venture investors ready to invest?

The Forum Plenary session live broadcast

RVC Booth, October 22 13:30 — 15:00

Consultation session on NTI programs and services.

RVC Booth, October 22 15:05 — 16:05

Within the framework of the session, a presentation of specialized services of RVC JSC will take place, creating additional opportunities for scaling up and developing new lines of business for SMEs: digital platforms of RVC JSC, services and support tools of the National Technology Initiative for rapidly developing technology companies.
Upon completion of the speeches, interested companies will be able to get individual advice from RVC representatives on existing programs and tools for supporting NTI companies, parameters for the initial project evaluation, and the procedure for working with NTI projects.

Smart City Standard - IQ for cities

RVC Booth, October 22 16:10 — 17:10

There is no single concept in the world of what a "smart city" is, but many cities strive to receive just such a title. One of the tools to achieve this goal is the standard of the "smart city", which sets out a clear set of indicators of the "intelligence" of cities and the methodology for its determination.
The first edition of this standard was developed by Technical Committee 194 "Cyber-Physical Systems" and PJSC "Rostelecom" - and is first introduced to the general public, and then submitted to the public discussion procedure. The standard incorporates the best international and domestic practices and provides a complete set of indicators (indicators) for measuring the development and evaluation of the "smart city", which will help to provide better services, provide a comfortable living environment, identify needs for intellectual infrastructure, promote innovation and growth building a vibrant and innovative economy ready for tomorrow's challenges.

Additional program

VEB Ventures Booth ~ October 22 ~ Intelligent economy

Partner track

EASTBOUND. Korea Day

VEB Ventures Booth, October 22 10:30 — 12:00

"Export or Die" workshop. How to conquer the world: strategies, tactics, and tips for the global market outreach.

VEB Ventures Booth, October 22 14:00 — 15:00

How to win an investor. Startup charm development circle. What is your business: how to understand what you are really selling. Growth strategies.

VEB Ventures Booth, October 22 15:30 — 16:30

How to enchant your investor: atrraction tips for startups. What's your business: how to find out what you really sell. Growth strategies

VEB Ventures Booth, October 22 15:30 — 16:30

Additional program

VEB Ventures Booth ~ October 22 ~ Intelligent economy

Partner track

Additional program

IpChain Booth ~ October 22 ~ Intelligent economy

Partner track

Investments secured by intellectual property

IpChain Booth, October 22 11:00 — 11:30

- Attracting investment for copyright holders;
- The object of intellectual property as a pledged item;
- Providing high returns for private and group investors.

Digital platform for the interaction of innovative development institutions based on IPChain technology

IpChain Booth, October 22 11:30 — 12:30

Digital market of intellectual property as a global socio-technical system

IpChain Booth, October 22 15:00 — 15:45

Partner track

Additional program

Open Stage ~ October 22 ~ Intelligent economy

DIGITALKS

Agreement signing. SK Ventures

Open Stage, October 22 10:00 — 10:15

Mentor-bot: how AI assistant shapes human's mindset

Open Stage, October 22 10:30 — 11:00

Speaker

Ekaterina Movsumova
Mentorbot, Owner

Digital Innovation Award

Open Stage, October 22 11:00 — 12:30

KPMG What the Tech is an IT start-up contest that seeks to find young enterprises whose innovative solutions can transform traditional business into a digital one. The project was initiated by KPMG – one of the leading audit and advisory services providers – and is being implemented with support from the Skolkovo Foundation. This new initiative is a response to the market's growing demand for new innovative solutions. KPMG is constantly developing new technological solutions and is interested in working closely with young enterprises that are only just setting out on their professional path. Such joint work creates new ideas and translates potentially disruptive change into innovation, thereby helping clients accelerate their growth and become more future-ready, while at the same time facilitating market development in general vis-à-vis entrepreneurship and innovation.
The winners will be selected by a jury after a live pitch session. The products that make the best fit will be included in a catalogue of KPMG-recommended digital transformation solutions: start-ups will work with KPMG to tailor their products to the needs of specific clients and design individual development plans.

Opening ceremony of the JET Innovation Centre

Open Stage, October 22 14:00 — 14:15

Additional program

Presentations

Patents Power 2019. Finals

Startup Stage, October 22 09:00 — 10:30

Official signing of a cooperation agreement between EFKO Innovations and ITMO University for launching of a foodtech entrepreneurship practical course for ITMO students

Startup Stage, October 22 11:30 — 11:45

Telnet Partner Center Agreement

Startup Stage, October 22 11:45 — 11:50

Agreement between SPUTNICS - VEB.RF - REC - SKOLKOVO –MITSUI

Startup Stage, October 22 11:50 — 12:00

Baikal-M processor: a new platform for Russian IT

Startup Stage, October 22 12:00 — 12:15

At this presentation, a new domestic Baikal-M processor will be presented, designed for a wide range of target devices in the consumer and B2B segments.
The Russian Baikal-M processor is a 28 chip-based process technology based on eight 64-bit ARM Cortex-A57 cores (ARMv8-A) with support for NEON vector extensions and an eight-core Mali-T628 graphics processor (MP8) with hardware acceleration of video playback in H.264 / H.265 formats. The processor has a wide range of integrated communication interfaces and high computing power, so it can be used in workstations, all-in-ones, laptops, servers and thin clients.
The presentation will present the history of the development of this processor, its features and scope, as well as plans for further product development and possible strategic partnerships to create joint solutions with Russian manufacturers.

Digital customs for innovations

Startup Stage, October 22 12:45 — 13:00

Digital Champion

Startup Stage, October 22 13:00 — 13:30

Keynote

Startup Stage, October 22 13:00 — 13:30

Innovation Leaders Award

Startup Stage, October 22 15:00 — 15:30

Leaders of Innovation Award

Startup Stage, October 22 15:00 — 15:30

Additional program

Partner track

Artificial Intelligence for Leaders

RVC Booth, October 23 10:15 — 11:15

What features can be automated? How to set tasks for scientists in order to get the maximum effect for business? How to implement products based on artificial intelligence and how to manage AI projects?
Experts of the Center for Competencies of NTI based on MIPT in the direction of Artificial Intelligence will discuss this and other aspects of the use of AI in management.

The Internet of Things: From Creating Rules to Generating Profits

RVC Booth, October 23 11:20 — 12:20

The Internet of things is one of the most significant digital technologies, while being closest to market applications. Her example shows all the advantages and disadvantages of digital technology.

One of the watersheds goes through normative and technical regulation (standardization): with high-quality and sufficient normative and technical regulation, advantages are revealed, with insufficient elaboration - disadvantages destroy any principles of efficiency.

What do standards for the Internet of things give? Why is the interoperability (compatibility) of the Internet of things?
Do I need to standardize IoT protocols? Who benefits from this?

Digital twin of the city - the basis for autonomous vehicles

RVC Booth, October 23 13:15 — 14:15

A digital twin is an accurate display of a real city in digital reality. With the development of Internet of things and computer modeling, it can be not only in humans, but in fact in any physical object. Creating a digital twin of the city will improve the transport infrastructure, including the automatic traffic control system, and simplify the operation of unmanned vehicles, as well as increase safety in the city for both residents and passengers of urban unmanned vehicles.

Additional program

Partner track

EASTBOUND. Singapore Day

VEB Ventures Booth, October 23 11:00 — 12:30

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«Export or Die» Workshop - Where do I start? A panel on how to make your global ambitions cheaper

VEB Ventures Booth, October 23 14:00 — 15:00

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How to enchant your investor: rules of attraction for startups - Limits to greed: how much you really need to strike it big

VEB Ventures Booth, October 23 15:00 — 16:00

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Additional program

Slutsky ~ October 23 ~ Futuretech

Partner track

Russian-French working group

Slutsky, October 23 10:00 — 12:00

Regional Representatives of the Innovation Promotion Fund Meeting

Slutsky, October 23 12:00 — 16:00

Slutsky ~ October 23 ~ Futuretech

Partner track

Additional program

Open Stage ~ October 23 ~ Futuretech

Open API: new business development models

Open Stage, October 23 11:00 — 11:30

This presentation is about open banking - the new concept of banking evolving not only in Russia, but in Europe as well (you have definitely heard of PSD2).
How can it be useful for business in the non-Banking sector?

Oleg will consider some real cases taken from different industries and stress the options that can increase the key indicators and reduce the costs for your company.

Speaker

Oleg Chanchikov
APIBank, CBDO

Signing Ceremonies, Partners sppeeches, Competitions announcement, Pitch Sessions

Open Stage, October 23 14:00 — 16:00

Additional program

Startup Stage ~ October 23 ~ Futuretech

Presentations

Technology entrepreneurs Talks, Pitch Sessions, Speeches to Investors

Startup Stage, October 23 10:00 — 16:00

Additional program

Startup Stage ~ October 23 ~ Futuretech

Presentations