



HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY
Institute for Statistical Studies and Economics of Knowledge

Ninth International Academic Conference Foresight and STI Policy

November 20-22, 2019

**National Research University Higher School of Economics
Myasnitskaya street, 11 (Room 518)
Moscow, Russia**

Programme

Version 1.1

November 20, 2019

**SPECIAL WORKSHOP
SMART CITIES AND SUSTAINABLE URBAN FUTURES**

14.30 **Registration**

15.00 **Ozcan Saritas**, HSE ISSEK, Russia
Welcome and Introduction to the Workshop

SESSION 1: URBANITIES 4.0 PROJECT – CHULALONGKORN UNIVERSITY
Chair: Apiwat Ratanawaraha, Chulalongkorn University, Thailand

15.10 **Apiwat Ratanawaraha**, Chulalongkorn University, Thailand
Urbanities 4.0 Project: Introduction

15.20 **Panthira Julayanont**, Chulalongkorn University, Thailand
Future of Vertical Living

15.30 **Anuk Pitukthanin**, Chulalongkorn University, Thailand
Futures of Homelessness

15.40 **Wan Chantavilasvong**, Chulalongkorn University, Thailand
Futures of Service Work

15.50 **Peamsook Sanit**, Chulalongkorn University, Thailand
Futures of Motorcycle Riding

16.00 **Pornsarn Vichienpradit**, Chulalongkorn University, Thailand
Futures of Grocery Shopping

16.10 **Apiwat Ratanawaraha**, Chulalongkorn University, Thailand
Q&A, Discussion and Wrap-up

16.20 **Coffee**

SESSION 2: SOCIAL AND TECHNOLOGICAL TRENDS FOR URBAN DEVELOPMENT AND HOUSING

Chair: Ozcan Saritas, HSE University, Russia

16.40 **Joe Ravetz**, University of Manchester, UK
United Nations Peri-Urban Futures Project (TBC)

16.55 **Pablo David Goldin Marcovich**, Master's Programme "Prototyping Future Cities", HSE University, Russia; **Elena Mitrofanova**, Shukhov Lab, HSE University, Russia
Towards a Zero Emission City: Challenges and Reflections on the Conception of the Shukhov Lab Vision for Moscow 2050

17.10 **Yulia Milshina**, HSE University, Russia
Global Trends in Housing

17.25 **Lyubov Matic**, HSE University, Russia
Technology Roadmaps for Housing Industry

17.40 **Brainstorming Session on Housing Roadmaps**

18.10 **Discussion and Wrap-up**

Working languages: English and Russian with simultaneous translation.

November 21, 2019

9.20 **Registration**

9.50 **Welcome and Introduction to the Conference**

SESSION 1: S&T FORESIGHT: NEW METHODS AND APPLICATION AREAS

Chair: Alexander Sokolov, HSE ISSEK, Russia

10.00 **Alexander Chulok, HSE ISSEK, Russia**
Blended Foresight Methods for Research of Corporate Strategic Development: A Case of Russian Companies

10.20 **John Sweeney, University of Manoa, USA; Qazaq Research Institute for Futures Studies/Narxoz University, Kazakhstan**
Participatory Futures in Theory and Practice: Results from Collaborative Research with NESTA and the Action Foresight Global Swarm

10.40 **Yulia Milshina, Darya Pavlova, HSE ISSEK, Russia**
Analysis of Key Future Events (Timelines) and Wild Cards in National Foresight Studies

11.00 **Ilya Kuzminov, HSE ISSEK, Russia**
Strategic Implications of New Generative Language Models for Analytics and Consulting Sector

11.20 **Coffee**

SESSION 2: FORESIGHT: SOCIAL DIMENSION

Chair: Jose Cordeiro, Global Futures Studies and Research Center "The Millennium Project", USA

11.40 **Fabienne Goux-Baudiment, Research Centre for Futures Studies "proGective", France**
Governance X.0: A New Tool for the World as a Next Step of Evolution into a Non-predatory Economy

12.00 **Joe Ravetz, University of Manchester, UK**
From Big Data to Deeper Thinking: Foresight as Pathway for Collective Intelligence (TBC)

12.20 **Ibon Zugasti Gorostidi, The Millennium Project Node, Spain**
The Future of Work and Technology 2050 Study

12.40 **Apiwat Ratanawaraha, Chulalongkorn University, Thailand**
Urbanities 4.0: The Futures of Thai Urban Life

13.00 **Lunch**

SESSION 3: FORESIGHT: SECTORAL STUDIES

Chair: Leonid Gokhberg, HSE University, Russia

14.00 **Jose Cordeiro, The Millennium Project, USA**
Kardashev Civilization Scales: From the Past to the Future

14.20 **Pavel Bakhtin, HSE ISSEK, Russia**
Forecasting of Research Fronts in the Area of Artificial Intelligence Based on Semantic Analysis

14.40 **Sarah Cheah, National University of Singapore, Singapore**
Learning in the Digital Economy

15.00 **Ozcan Saritas, HSE ISSEK, Russia**
Digitalization of Foresight

15.20 **Coffee**

SESSION 4: FORESIGHT: INTERNATIONAL PERSPECTIVE

Chair: Sarah Cheah, National University of Singapore, Singapore

15.40 **Kuniko Urashima, National Institute of Science and Technology Policy, Japan**
Overview of the 11th Delphi Survey

16.00 **Surachai Sathitkunarat, APEC Center for Technology Foresight, Thailand**
The Paradigm Shift of Thailand National Policy: The Crucial Role of Foresight

16.20 **Mu Rongpin, Center for Innovation and Development, Chinese Academy of Sciences, China**
S&T Foresight in China: Methodology and Organisation (TBC)

16.40 **Thomas Thurner, HSE ISSEK, Russia**
Future Studies in Agriculture and Food Sector (TBC)

17.00 **Komkrit Sivara, PTT – Petroleum Authority of Thailand**
Foresight for City, Community and Business Transformation: A Future Perspective of PTT

17.20	Wrap-up
November 22, 2019	
9.00	Registration
SESSION 5. SCIENCE, TECHNOLOGY AND INNOVATION POLICY Chair: Leonid Gokhberg, HSE University, Russia	
9.30	Introduction
9.40	Loet Leydesdorff , University of Amsterdam, the Netherlands The Measurement of Interdisciplinarity and Synergy
10.00	Keun Lee , Seoul National University, Republic of Korea National Innovation Systems in BRICS in International Comparison
10.20	Vitaly Roud , HSE ISSEK, Russia Technological Inequality of the Russian High-tech Manufacturing Firms: A Challenge for Upgrading?
10.40	Stanislav Zaichenko , HSE ISSEK, Russia Private R&D Organizations vs State-owned Ones: Evidence for Selective S&T Policies
11.00	Coffee
SESSION 6: SCIENCE, TECHNOLOGY AND INNOVATION POLICY (CONTINUED) Chair: Wolfgang Polt, Joanneum Research, Policies, Austria	
11.20	Alena Nefedova , HSE ISSEK, Russia Workplace Innovation: Results of a Large-scale Survey in Russia
11.40	Valentina Cillo , Marche Polytechnic University, Italy Innovating through Digital Revolution. The Role of Soft Skills in Increasing Firm Performance
12.00	Valentina Polyakova , HSE ISSEK, Russia Are People in Russia Ready to Live and Work with Robots? Evidence from a Population Survey
12.40	Jonathan Linton , Sheffield University, UK; HSE ISSEK, Russia; Wei Xu , China Materials Systems Corp. Understanding the Differing Impacts of Innovation Across the Supply Chain
13.00	Lunch
SESSION 6: SCIENCE, TECHNOLOGY AND INNOVATION POLICY (CONTINUED) Chair: Dirk Meissner, HSE ISSEK, Russia	
14.00	Valeria Vlasova , HSE ISSEK, Russia Effects of Innovation Policy Measures on Industry-Science Interactions
14.20	Ekaterina Streltsova, Gleb Kuzmin , HSE ISSEK, Russia Russian “Technopolises”: The Technological Specialization of the Cities
14.40	Yaroslav Eferin, Evgeny Kutsenko , HSE ISSEK, Russia Revealing “Whirlpools” and “Safe Harbors”: Long-term Industrial Evolution in Russian Regions
14.40	Manlio Del Giudice , Link Campus University, Italy Evolution and Management of Knowledge Assets in the Digital Network: Future Perspectives of Knowledge Management
15.00	Coffee

Working languages: English and Russian with simultaneous translation.

SPECIAL WORKSHOP PROSPECTS OF SCIENCE AND TECHNOLOGY IN BRICS COUNTRIES



Chair: Andrey Anikeev, Deputy Head of Department of Research and S&T Policy, Ministry of Science and Higher Education of the Russian Federation

15.20	Welcome and Introduction
15.30	Xie Fei , Chinese Academy of Science and Technology for Development, China The Future of Science and Technology in China
15.50	Maxim Kotsemir, Alexander Sokolov , HSE ISSEK, Russia BRICS+: Bibliometric Analysis of Emerging Economies
16.10	Marcio de Miranda Santos , Center for Strategic Studies and Management, Brazil TBD
16.30	Coffee
16.50	Mlungisi Cele , National Advisory Council on Innovation, Department of Science and Technology, Republic of South Africa Science and Technology Foresight in South Africa (TBC)
17.10	Gautam Goswami , Technology Information, Forecasting and Assessment Council, India Long-term Technology Foresight in India – A Case Study
17.30	Wrap-up

Working languages: English and Russian with simultaneous translation.