

# XIV

INTERNATIONAL ACADEMIC CONFERENCE  
**FORESIGHT AND SCIENCE, TECHNOLOGY  
AND INNOVATION POLICY**

**October  
28–29**

**NATIONAL RESEARCH UNIVERSITY  
HIGHER SCHOOL OF ECONOMICS**

## PROGRAMME

**2024**

WORKING LANGUAGES: RUSSIAN, ENGLISH  
(SIMULTANEOUS TRANSLATION)

FORMAT:  
ON-LINE (ZOOM)

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### October 28, 2024

<b>11:00-12:30</b> <b>(MSK UTC+3)</b>	<b>Session 1: Future Skills in S&amp;T</b>
	<b>Chair: Sofia Chernogortseva, HSE University, Russia</b>
11:05-11:20	<b>Andrey Selskiy, HSE University, Russia</b> Growing the Corporate Human Resources Potential through the Foresight of Innovative Competencies
11:25-11:40	<b>Tatyana Volkova, PJSC Polyus, Russia</b> Foresight as a Long-Term Human Capital Planning Tool: Polyus Case
11:45-12:00	<b>Yulia Belova, Natalia Shmatko, HSE University, Russia</b> Facing New Challenges in Industrial Robotics: What Technological Competencies Do Engineers Need?
12:05-12:20	<b>Younes Bennane, Social and Media Studies Institute, Morocco</b> The Role of Emerging Competencies Evaluation in Fostering Innovation and Sustainable Development: A Holistic Perspective and Future Strategies
12:20-12:30	<b>Discussion &amp; wrapping up</b>

<p><b>12:40-14:10</b> (MSK UTC+3)</p> <p>12:45-13:00</p> <p>13:05-13:20</p> <p>13:25-13:40</p> <p>13:45-14:00</p> <p>14:00-14:10</p>	<p><b>Session 2: Foresight of Artificial Intelligence</b></p> <p><b>Chair:</b> <i>Olesya Maibakh, HSE University, Russia</i></p> <p><b>Konstantin Vishnevsky, HSE University, Russia</b> Foresight of Research Areas in AI</p> <p><b>Ibon Zugasti, Millennium Project, Spain</b> Artificial General Intelligence (AGI) Global Governance</p> <p><b>Alexey Naumov, HSE University, Russia</b> Key Agenda of Research in Artificial Intelligence</p> <p><b>David Wood, Millennium Project, UK</b> The Future of Artificial Intelligence: Which Scenarios Deserve Most Attention?</p> <p><b>Discussion &amp; wrapping up</b></p>
<p><b>14:20-17:10</b> (MSK UTC+3)</p> <p>14:25-14:40</p> <p>14:45-15:00</p> <p>15:05-15:20</p> <p>15:25-15:40</p> <p>15:45-16:00</p> <p>16:05-16:20</p> <p>16:25-16:40</p> <p>16:45-17:00</p> <p>17:00-17:10</p>	<p><b>Session 3: Special Workshop: Prospects of Science and Technology in BRICS Countries</b></p> <p><b>Chair:</b> <i>Alexander Sokolov, HSE University, Russia</i></p> <p><b>Yuan Like, Chinese Academy of Science and Technology for Development, China</b> Open Foresight: Application and Experience in China</p> <p><b>Gautam Goswami, Technology Information, Forecasting and Assessment Council, Department of Science and Technology, India</b> Climate Change Challenges – a S&amp;T Foresight Analysis</p> <p><b>Yulia Milshina, Anna Grebenyuk, HSE University, Russia</b> Wild Cards: Technology-based Responses</p> <p><b>Mlungisi Cele, National Advisory Council on Innovation, Republic of South Africa</b> Deepen and Accelerate Knowledge and Innovation Led Inclusive and Sustainable Development</p> <p><b>Fernando Rizzo, CGEE, Brazil</b> BRICS Strategic Collaborations on Priority Themes</p> <p><b>Mohamed Ramadan Rezk, Egyptian Science, Technology and Innovation Observatory, Egypt</b> Exploring Future Pathways for Strengthening STI Collaboration between Egypt and BRICS</p> <p><b>Reza Hafezi, National Research Institute for Science Policy, Iran</b> Science and Technology Foresight Programs in Iran: History, Opportunities and Lessons</p> <p><b>Sergei Revin, LLC Space Regatta Consortium; Yu.A. Gagarin Research and Test Cosmonaut Training Center</b> Artificial Illumination from Space for BRICS Countries</p> <p><b>Discussion &amp; wrapping up</b></p>

<b>17:20-18:50</b> (MSK UTC+3)	<b>Session 4: Science Fiction as a Tool for Futures Studies</b> <b>Chair:</b> <i>Alexander Sokolov, HSE University, Russia</i>
17:25-17:40	<b>Jean Paul Pinto</b> , Laboratory for Imagination and Materialization of the Future, Ecuador The Use of Science Fiction in Foresight
17:45-18:00	<b>Olesya Maibakh</b> , HSE University, Russia Technologies of the Future in Post-1990s Science Fiction: A Case Study
18:05-18:20	<b>Thomas Lombardo</b> , Center for Future Consciousness, USA The Value of Science Fiction in the Heightening of our Consciousness of the Future
18:25-18:40	<b>Jose Cordeiro</b> , Millennium Project Node, Venezuela Sir Arthur C. Clarke and the Final Odyssey
18:40-18:50	<b>Discussion &amp; wrapping up</b>

## October 29, 2024

<b>11:20-12:50</b> (MSK UTC+3)	<b>Session 5: Evaluation of Science, Technology and Innovation Policies</b> <b>Chair:</b> <i>Mikhail Gershman, HSE University, Russia</i>
11:25-11:40	<b>Marina Evseeva, Yulia Belova</b> , HSE University, Russia Linkages between R&D Cooperation Policy and Innovative Capabilities of Firms
11:45-12:00	<b>Elena Kameneva</b> , HSE University, Russia The Role of Government Support Measures in Stimulating Growth of Private R&D Expenditures: a Firms' Perspective
12:05-12:20	<b>Vitaliy Dementyev</b> , HSE University, Russia An Approach to Mapping and Assessing Policy Measures Aimed to Support R&D-Intensive Technologies
12:30-12:45	<b>Caetano Penna</b> , CGEE, Brazil Ex-ante Evaluation of Science, Technology and Innovation Policies for Decarbonization and Climate Resilience: a Framework and Case Studies
12:45-12:50	<b>Discussion &amp; wrapping up</b>

<p><b>13:10-14:40</b> (MSK UTC+3)</p> <p>13:15-13:30</p> <p>13:35-13:50</p> <p>13:55-14:10</p> <p>14:15-14:30</p> <p>14:30-14:40</p>	<p><b>Session 6: From Data to Decisions: AI for Business Applications</b>  <b>Chair: Konstantin Vishnevsky, HSE University, Russia</b></p> <p><b>Seyed Hassan Hosseini</b>, Sharif University of Technology, Iran; <b>Fatemeh Masdari</b>, Iran Broadcasting University, Iran  Artificial Intelligence, Moral Agency, and Moral Responsibility</p> <p><b>Lyubov Matich</b>, Sberbank Research and Innovation, Russia  Redefining Productivity with AI Helpers</p> <p><b>Maria Antasheva</b>, HSE University, Russia  Big Data Analysis for White Spots Identification in Business</p> <p><b>Cesar Costa, Eduardo Moresi, Jackson Maia, Kleber Alcanfor</b>, CGEE, Brazil  Artificial Intelligence Video Summarization for Business Applications</p> <p><b>Irina Loginova, Anna Piekalnits</b>, HSE University, Russia  Generative AI: How LLMs transform analytics. HSE practice</p>
<p><b>15:00-16:00</b> (MSK UTC+3)</p>	<p><b>Special Session: HSE Global Cities Innovation Index 2024 International Launch</b>  <b>Chair: Evgeniy Kutsenko, HSE University, Russia</b></p> <p><b>Ekaterina Ivanova, Tatyana Ostashchenko, Victoria Boos, Kristina Boyakova, and Kirill Tyurchev</b>, HSE University, Russia</p> <p>What changes have occurred in the global innovation landscape?</p>
<p><b>16:10-17:40</b> (MSK UTC+3)</p>	<p><b>Discussion: How HSE GCII can benefit government, business, and innovators?</b>  <b>Chair: Evgeniy Kutsenko, HSE University, Russia</b></p> <p><b>Questions for discussion:</b></p> <ul style="list-style-type: none"> <li>• What are the key takeaways from this year's report?</li> <li>• Which cities have had the most impressive or surprising success?</li> <li>• What are the main challenges cities face in improving their innovation attractiveness?</li> <li>• How can be established effective collaboration between innovators to achieve technological and creative development goals?</li> <li>• What role do public policies and government initiatives play in fostering an innovation-friendly environment in cities?</li> </ul> <p><b>Invited Discussants – Members of the HSE GCII Advisory Board:</b></p> <p><b>Keun Lee</b>, Seoul National University, Republic of Korea  <b>Marcus T. Anthony</b>, Beijing Institute of Technology in Zhuhai, China  <b>Steven Griffiths</b>, American University of Sharjah, UAE  <b>Michael Kahn</b>, Stellenbosch University, South Africa  <b>Mlungisi Cele</b>, National Advisory Council on Innovation, South Africa</p>

**Iwao Ohashi**, Industrial Parks and Special Economic Zones of Russia, Russia

**Kuniko Urashima**, Nagoya University, Japan

**Mohamed Ramadan A. Rezk**, Academy of Scientific Research and Technology, Egypt

**Fernando Rizzo**, Center of Management and Strategic Studies, Brazil

**Muddassar Sarfraz**, Zhenjian Shuren University, China

**Ozcan Saritas**, Rochester Institute of Technology of Dubai, UAE

**Surachai Sathitkunarath**, APEC Center for Technology Foresight, Thailand

**Jonathan Calof**, University of Ottawa, Canada

*Up to 7 minutes per speaker*