

### **Programme Architecture of the III YOUNG SCIENTISTS CONGRESS**

(28-30 November 2023, Sirius Federal Territory)

# SPACE FOR OPPORTUNITY AND DEVELOPMENT

#### **Big Challenges: Opportunities for Development**

- Nature-Like Technologies: A New Era of Human Development
- Megascience Class Infrastructure: The Foundation for Creating a Unified Scientific and Technological Space
- 'Chemistry Is Like Life': Micro and Small-Scale Chemistry Helping Humans
- Genetics and Selection in Agribusiness: Challenges and Opportunities for Young Scientists
- Genetic Technologies to Ensure Biological Safety New Stage in the Study of Organ Physiology and Pathology
- at the Level of Individual Cells

  New Building Materials and Technologies: The Role of
- Scientific Institutions in Technological Leadership
- Ocean Exploration: Boundless Scientific Depths
  Climate Research: A Chance to Save the Planet
- A Scientist's Path in the World of Future Technologies
  Evolution of Quantum Technologies The Quantum
- Internet. Opportunities for Young Scientists in Quantum Technologies: The Quantum School
- · Forefront of Space Exploration
- · Al Journey into the World of Artificial Intelligence
- Nuclear Technologies for Medicine: A Driver of International Nuclear Cooperation
- Super Pathogens: A New Challenge to Civilization

- Artificial Intelligence for Science: The Synergy of Achievements
- Scientific Equipment: Russian Solutions for Comfortable and Efficient Work
- Landmarks of Biomedicine: How a Young Scientist Can Get to the Frontier of Science
- Advanced Science and Technologies of the Future
- An Inclusive Society: How Does Science Remove Obstacles?
- Humanitarian Sciences: Understanding Contemporary Problems and Processes
- Reality and Fiction: What Scientists Think about the Future of the Environment
- 'Distant Sky': Technological Frontiers of Satellite Construction, Data Processing, and Launch Systems
- Medical Neurotechnologies: Synthesizing Expertise to Respond to the Challenges of the Times
- · Is there Science in IT?
- On the Role of Fundamental Scientific Research in the Scientific and Technological Development of the Country
- Shaping the Future Together: Cooperation between Science, Industry, and Education (Consortia 2.0)
- Biomedicine Benchmarks: How Young Scientists Can Get to the Frontier of Science

# Opportunities for the Decade of Science and Technology in Russia

- Run-Up to the 300th Anniversary of the Russian Academy of Sciences: The Future, Not the Past
- University for Young Kids: Development of the Scientific Playgrounds Project
- Popular Science Tourism: Results of the Second Year and Prospects
   Interdisciplinary Research on Childhood: Modern Myths and Scientific
- Technology in Art: Artificial Intelligence vs Artists
- Student Design Bureaus: A Tool for Strengthening the Role of Science and Technology
- How to Get on TV: Tools for Promoting Scientific Developments
- The Science of Promotion: Scientists the New Leaders of Public Opinion
- Scientific Volunteering: More or Better
- Women in Science: Trends and Prospects
- Digital Services and Solutions: New Opportunities for the Professional Community
- · Development of Science Centres in Russia
- Development of Russian Science in the 20th Century: The Foundation of Modern Breakthroughs
- Awards Ceremony for the Russian Society of Inventors and Innovators Prize 2023
- Russian Scientist: From Researcher to Business Partner
- Boundless Worlds: How Science Fiction Shapes the Image of the Future

- Createch: How High Technologies Dictate the Development of the Creative Economy
- Development of Human Capital Starting from School
  - Science in Cinema: How Do Directors Work, What Do Scientists
    Think, and What Do Viewers See?
- Museums: A Showcase of Scientific and Technological Progress
- The Russian Science and Technology Scene in Search of New
  Harrage
  - Large Country: Soviet Management Experience
  - Traditions and Greatest Achievements of Russian Inventions
    The Present and Future of Interdisciplinary Brain Research
- The Present and Future of Interdisciplinary Brain P
- From a Scientific Idea to National Pride
- Science and Universities: A New Driver of Growth How to Produce Popular Films about Science: Artistic Value, Scientific Approach, and Success with Audiences
- Who Controls Everything? Information Support for Scientific Policy
- Young People in Science: Generating Interest in Discoveries
- 'Be the First' Interactive Meeting with Russian Cosmonauts on the ISS
  - Getting Young People Involved in Science: Creating Youth Laboratories as Part of the 'Science and Universities' National Project
- Returning Scientific Cinema to the Big Screen: How to Make Popular Scientific Films

## The Country's Scale as a Space for Opportunities

# Technical Cooperation

- Satellite Events: Yamalo-Nenets Autonomous District, Kamchatka, Arkhangelsk, Astrakhan, Khabarovsk
- Best Practices of Regional Support Measures
- Floating Universities
- Scientific Research by Young Scientists on the Sustainable Development of Rural Areas
- Creating a Network of Modern Campuses: Advanced Infrastructure for Russia's Scientific and Technological Development Science of a Large Country: Soviet Management Experience
- New Approaches to the Development of Science Cities of the Russian Federation and Other Territories with High Scientific and Technological Potential
- Digital Innovations on the Financial Market: A Fresh Breeze or a Dizzying Whirlwind?
- Prospects for the Use of Big Data in Emergency Forecasting
- Science and Art: Continuity, New Approaches to Training Talent, and Scientific Technologies for Creating Masterpieces
- Federal Project 'Popularization of Science and Technology': A New Approach A Successful Career in Science: The Experience of the

Winners of the 'Leaders of Russia' Competition

- BRICS: Russia's Chairmanship in 2024
- Russia–Africa: Science
- Russian-Iranian Scientific and Technical Cooperation

Space for International Scientific and

- Contribution to Social and Technological Development by Slavic Universities in the EAEU and the CIS
- Scientific Space of the Union State: Key Issues in Russian-Belarusian Scientific and Technical Cooperation
- The Future of International Relations in an Era of Multipolarity: The View of Young Scientists from Non-Western Countries
- Young Scientists: Science without Borders
- Russian-African Network University for the Sustainable Development of African Nations
- Attracting Young Foreigners to Russian Science: New Opportunities and Proven Practices
- Developing Human Capital amidst Global Transformation to Achieve the 17 SDGs
- Open Meeting of the Expert Council on International Educational and Scientific Work of the State Duma Cooperation Committee on Science and the Forum

#### Modern Challenges and Development Trends in Russian Scientific Communication

- Is 100 Million for a Major Scientific Project a Reality or Dream?
- Challenge Accepted: Alternative to the Nobel Prize and Prospects for Young Scientists
- Effective Tools to Develop Mathematics Education
- The Role of Young Researchers in the Development of Engineering Education and Ensuring Russia's Technological Sovereignty
- Management Talent Pool in Science
- From Scientific Laws to Laws about Science
- Start the Game: Training on Gamification Tools in Education
- Not Only Memes: How Social Media Can Advance Science
- Tango with a Cyborg: Digitalization and Social Change
- Phygital Science: Does Anyone Have Any Ideas?
- Applied Capabilities of Scientific Projects: Work with Regional Customers and Investors
- Mistakes: Scientists on How Scientific Failures
  Lead to Achievements

- Megagrants: Results and Plans
- SciComm: What Happens When Scientists and Creative Specialists Get Together?
- Instructions for How to Build a Scientific Career at a Corporation
- Venture Investments and Other Tools to Support Knowledge-Intensive Businesses in Russia
- Reverse Knowledge Transfer: From Corporations to Universities
- From Contact to Contract: What Do Companies and Universities Need to Change to Ensure Businesses Benefit from Collaborating with Researchers?
- Medical Science for People
- Science in Law

**Development Tools** 

- Youth Laboratories: Real Science through the Hands of Students
- The Science of Teaching: Modern Approaches to Educational Policies in Russia
- Modern Medical Science to Improve the Quality of Life in Russia
- Not Only Memes: How Social Media Can Advance Science

Growth Opportunities: Lectures by Prominent Scientists and Business Representatives

The Commission for Scientific and Technological Development of the Russian Federation together with the Commission of the State Council of the Russian Federation in the "Science" Direction