

Days of Belarusian Science at Expo 2020 Dubai

PLACE: Belarus Pavilion at EXPO 2020, Opportunity district

	Section 1	Section 2	Section 3
DATE:	February 2	February 2	February 3
TIME:	9.30am–1pm	2am–5.20pm	9.30am–12.45pm

Organizers

State Committee on Science and Technology
of the Republic of Belarus

The Belarusian Institute of System Analysis and Information
Support for Scientific and Technical Sphere

The National Centre for Marketing

Moderators

Mr. Andrei Ivanets,
Chief Scientific Secretary, Corresponding member
of the National Academy of Sciences of Belarus,
Doctor of Chemical Sciences

Mr. Mikhail Neroda,
First Vice-Rector, Brest State Technical University

Mr. Sergey Gubkin,
Director, Institute of Physiology of the National Academy of Sciences
of Belarus, Correspondent Member, Doctor of Medical Sciences,
Professor

Days of Belarusian Science
at Expo 2020 Dubai
(February 2–3, 2022, Dubai, UAE)

Day 1

Section 1 “Current trends in science and innovation in Belarus”

Time: 9.30 am — 1 pm

9.30 am	REGISTRATION OF PARTICIPANTS OF THE SESSION 1		
9.50 am	Welcome speech. Opening of the plenary session		
10.20 am	Welcome speech	Mr. Andrei Ivanets	Chief Scientific Secretary, Corresponding member of the National Academy of Sciences of Belarus, Doctor of Chemical Sciences
10.30 am	Research and innovation potential of the National Academy of Sciences of Belarus	Mr. Andrei Ivanets	Chief Scientific Secretary, Corresponding member of the National Academy of Sciences of Belarus, Doctor of Chemical Sciences
10.45 am	Directions for the development of the “Science-Technology- Innovation” system: strategic perspectives and topical solutions (Belarusian experience)	Mr. Valery Hancharou	Director, Center for System Analysis and Strategic Research of the National Academy of Sciences of Belarus, Ph.D.
11.00 am	Increasing soil fertility in a changing climate	Mr. Sergey Lysenko	Director, Institute for Nature Management of the National Academy of Sciences of Belarus, Doctor of Physical and Mathematical Sciences, Professor
11.15 am	Current trends in food security	Mr. Gordey Gusakov	Director, Institute of Meat and Dairy Industry of the National Academy of Sciences of Belarus, Ph.D.
11.30 am	Q&A		
11.45 am	COFFEE BREAK		

12.15 pm	Ensuring of electromagnetic compatibility, electromagnetic protection, electromagnetic safety, and electromagnetic ecology as a vital condition for the sustainable development of modern society	Mr. Eugene Sinkevich	Head of the R&D Laboratory on Electromagnetic Compatibility of Radio Equipment, Belarusian State University of Informatics and Radioelectronics
12.30 pm	University as a center for developing a branch science	Mr. Oleg Dormeshkin (online)	Director of the International Information and Analytical Center for Technology Transfer of the Belarusian State Technological University, Doctor of Technical Sciences, Professor
12.45 pm	Q&A		
1.00 pm	Scheduled meetings with foreign partners		

Section 2 “Mechanical Engineering and Instrumentation”

Time: 2 pm — 5.20 pm

2pm	REGISTRATION OF PARTICIPANTS OF THE SESSION 2		
2.20 pm	Welcome speech	Mr. Mikhail Neroda	First Vice-Rector, Brest State Technical University
2.30 pm	Unmanned aerial systems produced in the National Academy of Sciences of Belarus. Experience in the transfer of production technology	Mr. Yury Yatsyna	Director, "Scientific-and-Production Centre for Multifunctional Unmanned Systems" of the National Academy of Sciences of Belarus, Ph.D., Associate Professor
2.45 pm	Materials, technologies and equipment for water purification	Mr. Alexandr Bilydukevich	Director, Institute of Physical Organic Chemistry of the National Academy of Sciences of Belarus, Academician

3.05 pm	Novel crystalline laser materials for solid-state lasers	Mr.Victor Kisel (online)	Head, Research Center for Optical Materials and Technologies, Branch of the Belarusian National Technical University "Research Polytechnic Institute"
		Mr. Konstantin Gorbachenya (online)	Senior Researcher, Research Center for Optical Materials and Technologies, Branch of the Belarusian National Technical University "Research Polytechnic Institute"

3.20 pm **Q&A**

3.35 pm **COFFEE BREAK**

4.05 pm	Vacuum plasma methods for the synthesis of functional carbon and polymer coatings	Mr. Dmitry Piliptsov (online)	Leading Researcher, Francisk Skorina Gomel State University
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4.20 pm	Functional sol-gel materials for solar energy, optics and technology	Ms. Alina Semchenko	Associate Professor, Department of Radiophysics and Electronics, Francisk Skorina Gomel State University
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4.30 pm	Promising technologies for hardening and restoring machine parts and elements of technical structures	Mr. Mikhail Neroda	First Vice-Rector, Brest State Technical University
		Mr. Oleg Devoino	Head, Branch Research Laboratory of Plasma and Laser Technologies, Branch of the Belarusian National Technical University "Research Polytechnic Institute"

4.50 pm	Development, launch and operation of scientific and educational micro- and nanosatellites	Mr. Vladimir Saetchnikov	Head, Department of Physics and Aerospace Technologies, Faculty of Radiophysics and Computer Technologies, Belarusian State University, Doctor of Physical and Mathematical Sciences, Professor
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5.05 pm **Q&A**

5.20 pm **Scheduled meetings with foreign partners**

Day 2
**Section 3 “Medicine, Pharmaceuticals, Biotechnology
and Information Technologies in Medicine”**

Time: 9.30 am — 12.45 pm

9.30 am	REGISTRATION OF PARTICIPANTS OF THE SESSION 3		
9.50 am	Welcome speech	Mr. Sergey Gubkin	Director, Institute of Physiology of the National Academy of Sciences of Belarus, Correspondent Member, Doctor of Medical Sciences, Professor
9.55 am	High-tech developments of the National Academy of Sciences of Belarus in monitoring of vital functions of the human body and prevention of COVID-19	Mr. Sergey Gubkin	Director, Institute of Physiology of the National Academy of Sciences of Belarus, Correspondent Member, Doctor of Medical Sciences, Professor
10.10 am	Method of selecting drugs and their dosages based on individual genetic analysis of human DNA	Ms. Tatyana Dokukina (online)	Deputy Director for Research, Republican Scientific and Practical Center for Mental Health, Doctor of Medical Sciences, Associate Professor
10.25 am	New fixators with antibacterial coating in the treatment of infected fractures and nonunions of long bones	Mr. Pavel Volotovski	Scientific Secretary, Republican Scientific and Practical Center for Traumatology and Orthopedics, Ph.D.
10.35 am	Method of treating symptomatic epilepsy using autologous mesenchymal stem cells from the bone marrow	Ms. Tatyana Dokukina (online)	Deputy Director for Research, Republican Scientific and Practical Center for Mental Health, Doctor of Medical Sciences, Associate Professor
10.50 am	Q&A		

11.00 am	COFFEE BREAK		
11.30 am	Mathematical modeling of biological tissues and human biomechanical systems in natural and pathological conditions	Mr. Sergei Bosiakov (online)	Dean, Faculty of Mechanics and Mathematics, Belarusian State University, Doctor of Physical and Mathematical Sciences, Associate Professor
11.45 am	Multidisciplinary clinical medical center: medical activity in modern conditions	Mr. Yury Slabadzin	Deputy Chief Physician for Surgery, Republican Clinical Medical Centre of the Administration of the President of the Republic of Belarus, Ph.D.
12.00 pm	Organization of scientific and educational activities in a multidisciplinary clinical medical center	Ms. Tatyana Kaminskaya	Head, Department for Scientific and Educational Activities and International Relations, Republican Clinical Medical Centre of the Administration of the President of the Republic of Belarus, Ph.D.
12.15 pm	Temodex as a next generation treatment of brain tumors. Success story of internationalization of Belarusian science	Mr. Igor Lokot (online)	CEO of Double Bond Pharmaceutical (Sweden), Ph.D.
12.30 pm	Q&A		
12.45 pm	Scheduled meetings with foreign partners		

STATE COMMITTEE ON SCIENCE AND TECHNOLOGY

SCST
OF THE REPUBLIC OF BELARUS



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EXPO 2020 DUBAI OFFICIAL PARTICIPANT - BELARUS



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