



Программа

**Одиннадцатой международной
молодежной научной конференции
Физика. Технологии. Инновации.**

ФТИ-2024

20-24 мая 2024

г. Екатеринбург

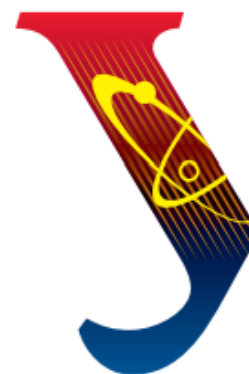
Program

**XI International Youth Scientific Conference
Physics. Technologies. Innovation. PTI-2024
dedicated to the
75th anniversary of the Institute of Physics
and Technology founding**

PTI-2024

May 20-24, 2024

Yekaterinburg



Ural Federal University

named after the first President
of Russia B.N.Yeltsin

**Institute of Physics
and Technology**

PROGRAM OVERVIEW

Day 1 – Monday – May 20

Arrival of participants

14:30 – 18:00 **Registration. Main Foyer**

Day 2 – Tuesday – May 21

09:00 – 10:00	Registration <i>Main Foyer</i>	Poster Session Arrangement of display stands	
		<u>Panel 2. Condensed matter physics</u> <i>Main Foyer</i>	<u>Panel 3. Instrumentation and robotics</u> <i>PTI 2 floor</i>
10:00 – 10:20	Opening. Welcome and opening comments of top university officials including Dean of Institute of Physics and Technology. <i>F-201</i>		
10:20 – 11:10	Plenary Talk. Stanislav Chaïkovsky (Director of the Institute of Electrophysics, Ural Branch of the Russian Academy of Sciences, Russia) «Immense electrophysics» <i>F-201</i>		
11:10 – 12:00	Plenary Talk. Walter Alberto Cañón Mancisidor (Leader of the Laboratory of Molecular Magnetism and Molecular Material, PhD in chemistry, associated Professor Universidad Bernardo O’Higgins) «Hybrid Inorganic-Organic Rare Earth Complexes. When two worlds collide!» <i>F-201</i>		
12:00 – 14:30	<u>Panel 5. Material science</u> Oral reports 1-19 <i>F-201</i>	<u>Panel 4. Chemical technologies</u> Oral reports 1-17 <i>F-414</i>	
14:30 – 15:00	Coffee Break <i>F-416</i>		
15:00 – 17:00	Poster Session		
	<u>Panel 2. Condensed matter physics</u> <i>Main Foyer</i>	<u>Panel 3. Instrumentation and robotics</u> <i>PTI 2 floor</i>	
17:00 – 17:20	Registration for intellectual game “What? Where? When?” <i>Foyer F-201</i>		
17:20 – 20:00	Intellectual game “What? Where? When?” <i>F-201</i>		

Day 3 – Wednesday – May 22

	Poster Session. Arrangement of display stands		
09:30 – 10:00	<u>Panel 4. Chemical technologies</u> <i>Main Foyer</i>	<u>Panel 6. Information systems and technologies</u> <i>PTI 2 floor</i>	<u>Panel 9. Young talents (schoolchildren section)</u> <i>Foyer F-201</i>
10:00 – 10:40	Plenary Talk. Sergey Gudín (Senior Researcher of the M.N. Mikheev Institute of Metal Physics of Ural Branch of Russian Academy of Sciences, Russia) «Sverdlovsk and the formation of the USSR nuclear project» <i>F-201</i>		
10:40 – 11:20	Plenary Talk. Kirill Maksimov (Head of Sector, IRZ TEST) «Experience in identifying non-original electronic component base» <i>F-201</i>		
11:30 – 13:30	<u>Panel 2. Condensed matter physics</u> Oral reports 1-12 <i>F-419</i>	<u>Panel 3. Instrumentation and robotics</u> Oral reports 1-5 <i>F-414</i>	<u>Panel 6. Information systems and technologies</u> Oral reports 1-13 <i>F-425</i>
13:30 – 14:00	Coffee Break F-416		
14:00 – 16:00	<u>Panel 2. Condensed matter physics</u> Oral reports 13-24 <i>F-419</i>		
14:00 – 16:30	Poster Session		
	<u>Panel 4. Chemical technologies</u> <i>Main Foyer</i>	<u>Panel 6. Information systems and technologies</u> <i>PTI 2 floor</i>	<u>Panel 9. Young talents (section of schoolchildren)</u> <i>Foyer F-201</i>
16:30 – 17:00	Registration for intellectual sports game “Quest” Main Foyer		Registration for Book club "The book was better". F-425
17:00 – 20:00	Intellectual sports game “Quest” University campus		Book club "The book was better". F-425

Day 4 – Thursday – May 23

	Poster Session. Arrangement of display stands		
09:30 – 10:00	<u>Panel 5. Material science</u> <i>Main Foyer</i>	<u>Panel 7. Bioengineering and biotechnologies</u> <i>PTI 2 floor</i>	<u>Panel 1. Nuclear and radiation technologies</u> <i>PTI 2 floor</i>
10:00 – 11:00	<u>Panel 7. Bioengineering and biotechnologies</u> Oral reports 1-17 <i>F-201</i>		
11:00 – 13:00	<u>Panel 7. Bioengineering and biotechnologies</u> Oral reports 1-17 <i>F-201</i>	<u>Panel 8. Innovation and social technologies</u> Oral reports 1-8 <i>F-310b</i>	<u>Panel 1. Nuclear and radiation technologies</u> Oral reports 1-6 <i>F-425</i>
	Poster Session		
13:00 – 15:00	<u>Panel 5. Material science</u> <i>Main Foyer</i>	<u>Panel 7. Bioengineering and biotechnologies</u> <i>PTI 2 floor</i>	<u>Panel 1. Nuclear and radiation technologies</u> <i>PTI 2 floor</i>
15:00 – 15:30	Coffee Break F-416		
15:30 – 16:10	<u>Plenary Talk. Dr Richard Lane</u> (Acting Director of the Astronomy Research Center of UBO) «Challenges in telescope engineering and design throughout history» <i>F-201</i>		
16:10 – 16:50	<u>Plenary Talk. Sergey Zvonarev</u> (Deputy Head of the Department of Scientific Support of Megaclass Projects of the Kurchatov Synchrotron-Neutron Research Complex of the National Research Center "Kurchatov Institute", Ph.D. physics and mathematics sciences) «Unique scientific installations of the "megascience" class with sources of synchrotron radiation» <i>F-201</i>		
16:50 – 18:00	Closing. Closing remarks Distribution of awards for “What? Where? When?” game, awarding for best reports, photo-shooting <i>F-201</i>		

Day 5 – Friday – May 24

09:00 – 20:00	Scientific and educational forum “75 years of the Ural Phystech: the unity of science and education”
	<i>Departure of participants</i>