

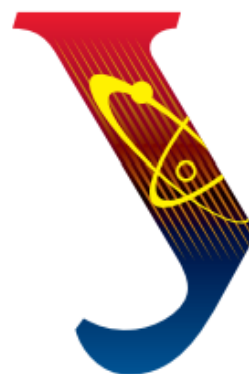


Программа
Девятой Международной молодежной
научной конференции
Физика. Технологии. Инновации.

ФТИ-2022
16-20 мая 2022
г. Екатеринбург

Program
of the Ninth International Young
Researchers' Conference
Physics. Technologies. Innovation.

PTI-2022
May 16-20, 2022
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 16

Arrival of participants

15:00 – 18:00	Registration. <i>Foyer Ft-201.</i>
16:00 – 19:00	City tour. <i>Foyer Ft-201.</i>

Day 2 – Tuesday – May 17

08:00 – 09:00	Registration. <i>Foyer Ft-201</i>	Poster Session. Arrangement of display stands			
		Panel 1. Nuclear and radiation technologies <i>Foyer F-201</i>	Panel 2. Condensed matter physics <i>Main Foyer</i>	Panel 3. Instrumentation and robotics <i>PTI 2 floor</i>	
09:00 – 09:20	Opening. Welcome and opening comments of top university officials including Dean of Institute of Physics and Technology. <i>F-201</i>				
09:20 – 10:00	Plenary Talk. Andrey Rempel (Institute of Metallurgy, Ural Branch of the Russian Academy of Sciences, Russia) «High entropy as the basis for the formation of innovative materials» <i>F-201</i>				
10:00 – 10:40	Plenary Talk. Igor Nekrasov (Institute of Electrophysics, Ural Branch of the Russian Academy of Sciences, Russia) «Dielectric Permittivity of Metal-Dielectric Nanocomposites» <i>F-201</i>				
10:40 – 11:20	Plenary Talk. Jianxin Tang, (Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University, China) «Interfacial “Anchoring Effect” Enables Efficient Blue Perovskite LEDs» <i>F-201</i>				
11:20 – 13:20	Panel 5. Materials science Oral reports 1-12 <i>F-201</i>	Panel 4.Chemical technologies Oral reports 1-12 <i>F-414</i>	Panel 1. Nuclear and radiation technologies Oral reports 1-12 <i>F-425</i>		
13:20 – 13:50	Coffee Break. F-416				
13:50 – 15:50	Panel 5. Materials science Oral reports 13-24 <i>F-201</i>	Panel 4.Chemical technologies Oral reports 13-24 <i>F-414</i>	Poster Session		
15:45 – 16:00	Break		Panel 1. Nuclear and radiation technologies <i>Foyer F-201</i>	Panel 2. Condensed matter physics <i>Main Foyer</i>	Panel 3. Instrumentation and robotics <i>PTI 2 floor</i>
16:00 – 17:40	Panel 5. Materials science Oral reports 25-34 <i>F-201</i>				
17:40 – 18:00	Registration for intellectual game “What? Where? When?” <i>Foyer F-201</i>				
18:00 – 21:00	Intellectual game “What? Where? When?” <i>F-201</i>				

Day 3 – Wednesday – May 18

08:30 – 09:00	Poster Session. Arrangement of display stands		
	Panel 4. Chemical technologies Main Foyer	Panel 6. Information systems and technologies PTI 2 floor	
09:00 – 09:40	Plenary Talk. Boris Oksengendler (Institute of Ion-Plasma and Laser Technologies, Academy of Sciences of the Republic of Uzbekistan. Tashkent, Uzbekistan) «The concept of Complexity in the problems of radiation physics of condensed matter» F-201		
09:40 – 10:20	Plenary Talk. Alexey Ekin (Institute of Industrial Ecology, Ural Branch of the Russian Academy of Sciences, Russia) «Development and implementation of an innovative complex of textile technologies for the production of nano-fibrous non-woven materials and technical means to protect the population, personnel, and the environment from man-made and biological impacts in the interests of the strategic security of the state» F-201		
10:20 – 11:00	Plenary Talk. Ivan Leonov (Institute of Physics of Metals named after M.N. Mikheev Ural Branch of the Russian Academy of Sciences, Russia) «Simulation of the electronic structure, magnetic state and lattice stability of strongly correlated electronic systems» F-201		
11:00 – 11:15	Break		
11:15 – 13:15	Panel 2. Condensed matter physics Oral reports 1-12 F-419	Panel 3. Instrumentation and robotics Oral reports 1-13 F-414	Panel 6. Information systems and technologies Oral reports 1-15 F-425
13:15 – 13:45	Coffee Break. F-416		
13:45 – 17:30	Panel 2. Condensed matter physics Oral reports 13-29 F-419	Poster Session	
		Panel 4. Chemical technologies Main Foyer	Panel 6. Information systems and technologies PTI 2 floor
17:30 – 18:00	Registration for intellectual sports game “Quest”. Main Foyer		
18:00 – 21:00	Intellectual sports game “Quest”. University campus		

Day 4 – Thursday – May 19

08:30 – 09:00	Poster Session. Arrangement of display stands	
	Panel 5. Materials science <i>Main Foyer</i>	Panel 7. Bioengineering and biotechnologies <i>PTI 2 floor</i>
09:00 – 11:00	Panel 7. Bioengineering and biotechnologies Oral reports 1-12 <i>F-201</i>	Panel 8. Innovation and social technologies Oral reports 1-12 <i>F-310b</i>
11:00 – 11:15	Break	
11:15 – 13:15	Panel 7. Bioengineering and biotechnologies Oral reports 13-25 <i>F-201</i>	Panel 8. Innovation and social technologies Oral reports 13-15 <i>F-310b</i>
13:15 – 13:45	Coffee Break. F-416	
13:45 – 17:00	Poster Session. Arrangement of display stands	
	Panel 5. Materials science <i>Main Foyer</i>	Panel 7. Bioengineering and biotechnologies <i>PTI 2 floor</i>
17:00 – 17:40	Plenary Talk. Reza Javaherdashti (CEO of MICCOR in The Netherlands) «Two mathematical state-of-the-art models to explain microbiological corrosion in spacecrafts» <i>F-201</i>	
17:40 – 18:20	Plenary Talk. Arezoo Assarian (CEO of Eninco Engineering B.V., University of Zagreb) «Anti-soiling coatings to increase the efficiency of photovoltaic solar panels» <i>F-201</i>	
18:20 – 19:00	Plenary Talk. Roman Ryltsev (Institute of Metallurgy, Ural Branch of the Russian Academy of Sciences, Russia) «Machine learning methods for predicting structure and properties of materials» <i>F-201</i>	
19:00 – 20:00	Closing. Closing remarks, PTI-2023 announcement, Distribution of awards for “What? Where? When?” game, awarding for best reports, photo-shooting <i>F-201</i>	

Day 5 – Friday – May 20

Departure of participants