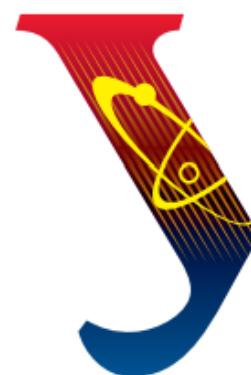




Program
of the Sixth International Young
Researchers' Conference
Physics. Technologies. Innovation.
dedicated to the 70th anniversary of the
|Institute of Physics and Technology
PTI-2019
May 20-24, 2019
Yekaterinburg

Программа
Шестой Международной молодежной
научной конференции
Физика. Технологии. Инновации.
посвященная 70-летию образования
Физико-технологического института
ФТИ-2019
20-24 мая 2019 г.,
г. Екатеринбург



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

12:00 – 14:00	Registration. <i>Foyer Ft-201</i>
14:00 – 17:00	Sight-seeing. <i>City tour</i>

Day 2 – Tuesday – May 21

08:30 – 09:00	Registration. <i>Foyer Ft-201</i>	Poster Session. Panel 1. Panel 2. Arrangement of display stands, <i>Main Foyer</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, Peptide Photonics: From Bioinspired Nanodots To New Biomedical Nanotechnology. Prof. G. Rosenman, Tel Aviv University, Israel, <i>F-201</i>				
10:00 – 10:40	Plenary Talk, Modern Theory Of Multiferroics: What Is It And How Does It Work? Prof. I. Solovyev, National Institute for Materials Science, Japan, <i>F-201</i>				
10:40 – 11:20	Plenary Talk, Nuclear Non-Proliferation Control. Dr. V.Yu. Konovalov, Federal Authority for Nuclear Regulation, UAE, <i>F-201</i>				
11:20 – 11:40	Coffee Break. <i>F-416</i>				
11:40 – 13:00	Panel 1. Mixed, Compressed And Layered Semiconductors As Challenges For First-Principles Theory. A. Postnikov. University of Lorraine, France.	Panel 3. Oral reports 1-6 <i>F-414</i>	Panel 4. Oral reports 1-6 <i>F-419</i>	Panel 6. Oral reports 1-6 <i>F-425</i>	
	Panel 1 MgAl2O4 Ceramics Doped With Rare Earth Ions: Synthesis And Luminescent Properties. D. Valiev. National Research Tomsk Polytechnic University				
	Panel 1 Oral reports 1-4 <i>F-401</i>				
13:00– 14:00	Lunch Break				
14:00 – 16:00	Panel 1. Oral reports 5-13 <i>F-401</i>	Panel 3. Oral reports 7-15 <i>F-414</i>	Panel 4. Oral reports 7-15 <i>F-419</i>	Panel 6. Oral reports 7-15 <i>F-425</i>	
16:00 – 18:30	Poster Session. Panel 1. Panel 2. <i>Main Foyer</i>				
18:00 – 18:30	Registration for intellectual sports game “Quest”. <i>Main Foyer</i>				
18:30 – 21:00	Intellectual sports game “Quest”. <i>University campus</i>				

Day 3 – Wednesday – May 22

08:30 – 09:00	Poster Session: Panel 3. Panel 5. Arrangement of display stands. <i>Main Foyer</i>			
09:00 – 09:40	Plenary Talk, Radiation Effects And Defect In Functional Oxides And Halides For Fusion Applications. Prof. A.I. Popov, University of Latvia, Latvia, <i>F-201</i>			
09:40– 10: 20	Plenary Talk, Synthesis Of Unoxidized Nanoparticles In A Pulsed-Periodic Gas Discharge. Prof. V.V. Ivanov, Moscow Institute of Physics and Technology, Russia, <i>F-201</i>			
10: 20– 11:00	Plenary Talk, Impact Physics - From Chicxulub To Chelyabinsk. Prof. N. Artemieva, Planetary Science Institute, Tucson, USA, <i>F-201</i>			
11:00– 11:20	Coffee Break. <i>F-416</i>			
11:20– 13:00	Panel 1. Oral reports 13-19 <i>F-401</i>	Panel 3. Oral reports 16-21 <i>F-414</i>	Panel 4. Oral reports 16-21 <i>F-419</i>	Panel 6. Oral reports 16-21 <i>F-245</i>
13:00 – 14:00	Lunch Break			
14:00 – 16:00	Panel 1. Oral reports 20-26 <i>F-401</i>	Panel 3. Oral reports 22-27 <i>F-414</i>	Panel 4. Oral reports 22-28 <i>F-419</i>	Panel 6. Oral reports 22-28 <i>F-245</i>
16:00 – 18:30	Poster Session. Panel 3. Panel 5. <i>Main Foyer</i>			
18:00 – 18:30	Registration for intellectual game “What? Where? When?” <i>Foyer F-201</i>			
18:30 – 21:00	Intellectual game “What? Where? When?” <i>F-201</i>			

Day 4 – Thursday – May 23

08:30 – 09:00	Poster Session: Panels 4. Panels 6. Arrangement of display stands, <i>Main Foyer</i>		
09:00 – 09:40	Plenary Talk, Theory Of Itinerant Electron Magnetism. Prof. M.I. Katsnelson, Radboud University, Netherlands, <i>F-201</i>		
09:40– 10:20	Plenary Talk, Two-Dimensional Materials: Graphene And Beyond. Prof. Sanjeev K. Gupta, St. Xavier's College, India, Russia, <i>F-201</i>		
10: 20– 10:40	Coffee Break. <i>F-416</i>		
10:40– 13:00	Panel 2. Oral reports 1-10 <i>F-414</i>	Panel 5. Oral reports 1-10 <i>F-425</i>	Panel 7. Oral reports 1-12 <i>F-310b</i>
13:00– 14:00	Lunch Break		
14:00-15:30	Panel 2. Oral reports 10-15 <i>F-414</i>	Panel 5. Oral reports 10-15 <i>F-425</i>	Panel 7. Oral reports 13-22 <i>F-310b</i>
15:30– 17:30	Poster Session: Panels 4. Panels 6. <i>Main Foyer</i>		
17:30 – 18:30	Plenary Talk, StartUP Companies: Hopes And Reality. Prof. G. Rosenman, Tel Aviv University, <i>F-201</i>		
18:30 – 19:30	Closing. Closing remarks, PTI-2019 announcement, distribution of awards for “Quest”, “What? Where? When?” games, awarding for best reports, photo-shooting. <i>F-201</i>		



Institute of Physics and Technology
Ural Federal University

VII International Young Researchers' Conference
Physics. Technologies. Innovation. PTI-2020



Dear Conference Participants,

On behalf of the Organizing Committee of the Sixth International Young Researchers' Conference *Physics. Technologies. Innovation. PTI -2019* we would like to thank you for your participation!

We welcome your comments and suggestions at our website: confer_fti@urfu.ru.

We hope to see you again next year at the

Seventh International Young Researchers' Conference Physics. Technologies. Innovation. PTI-2020.

Estimated Key Dates

- Start date for registration: **October 1, 2019.**
- Deadline for abstract submission: **December 20, 2019.**
- Start of receiving articles: **March 1, 2020.**
- Deadline for receiving articles: **April 30, 2020.**
- Conference dates: **May 18-22, 2020.**

To stay updated about the conference please visit:

<http://fizteh.urfu.ru/conference/>



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