

Program Online video presentations

of the Seventh International Young
Researchers' Conference
Physics. Technologies. Innovation.
dedicated to the 100th anniversary of the
Ural Federal University
PTI-2020

May 18-22, 2020 Yekaterinburg



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- 2. SEPARATION OF URANIUM AND ZIRCONIUM IN "CHLORIDE MELT GA–ZN EUTECTIC ALLOY". Maria Soldatova
- 3. SEDIMENT NATURAL RADIOACTIVITYAND HEAVY METALS ASSESSMENT FROM THE BEACHS OF RAS-GHARIB, RED SEA, EGYPT. Mostafa Mostafa
- 4. DETERMINATION OF RADIATION FIELD PARAMETERS FOR THE PROBLEMS OF ROUTING OPTIMIZATION BASED ON INTERPOLATION WITH RADIAL BASIS FUNCTIONS. Alexey Grigoryev
- 5. CORRELATION OF TEMPERATURE-DEPENDENT EXCITON PHOTOLUMINESCENCE WITH STRUCTURAL PHASE TRANSITION IN ORGANOMETAL HYBRID PEROVSKITE CH3NH3PBI3. Darya Veselova
- 6. EVAPORATION OF NITRIC ACID SOLUTIONS FORMALINE DENITRATION IN A NATURAL-CIRCULATION EVAPORATORWITH. Konstantin Kostromin
- 7. NPP SAFETY. RISK ASSESSMENT USING FUZZY LOGIC METHODS. Alexey Calabourdin
- 8. RESEARCH THE PROCESS OF CONCENTRATION HIGH-LEVEL RADIOACTIVE SIMULATION WASTES ON FALLING FILM EVAPORATOR. Alexander Bir
- 9. THE STUDY URANIUM ISOTOPIC RATIO IN URANIUM LEACH LIQUORS. Semen Mikhalev
- 10. ASSESSMENT OF EFFECTIVE DOSES DUE TO INHALATION OF NATURAL RADIOACTIVITY IN THE DUST OF URBAN ENVIRONMENT. Mohamed Hanfi
- 11. ANALYSIS OF THE APPROACH CLASSIFICATION OF RADIOACTIVE WASTE IN THE USA AND THE RUSSIAN FEDERATION. Denis Desyatov
- 12. MODELING COMBINED RADIATION PROTECTION AT WORK WITH IRRADIATION SOURCE. Litovchenko Vladislav
- 13. RADIOLOGICAL HAZARDS BY GEOCHEMICAL ANALYSIS ON THE GRANITIC ROCKS, UM TAGHER AREA, CENTRAL EASTERN DESERT, EGYPT. Hamdy Awad
- 14. RADON CONCENTRATION AND RADON EXHALATION RATE FOR NEOPROTEROZOIC ROCKS FROM WADI UM HUYTAT IN CENTRAL EASTERN DESERT OF EGYPT. Atef El-Taher
- 15. APPLICATION OF THE MONTE CARTO CODE TO SIMULATE THE RADIATION SHIELDING CAPACITY OF LITHIUM TUNGSTATE COMPOSITES. Karem Mahmoud
- 16. MEASUREMENTS OF THE NEUTRON RADIATION SPECTRUM AT A NUCLEAR RESEARCH FACILITY. Marina Romanova
- 17. MODERN DEPOSITION IN DIFFERENT CLIMATIC ZONES IN URBANIZED TERRITORIES. Maxim Rudakov
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- 5. THE EQUILIBRIUM CONCENTRATION OF VACANCIES IN SOLID INTERSTITIAL SOLUTIONS WITH TWO TYPES OF FILLED INTERNODES. Kirill Borodin
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- 7. ON THE POSSIBILITY OF MAGNETOACOUSTIC EVALUATION OF THE RESULTING STRENGTHENING OF MEDIUM-CARBON STEEL AS A RESULT OF TWO-STAGE PLASTIC DEFORMATION. Evgeny Serbin
- 8. SCATTERING OF ULTRASHORT LASER PULSES ON THE NANOSYSTEM CONSIDERING DEFECTS. Anastasia Kharlamova
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- 16. STRUCTURAL PHASE TRANSITIONS IN VSE2: PHONON DISPERSIONS. Georgy Pushkarev
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- 21. MULTILAYER NI/ZRO2 NANOSTRUCTURES WITH DIFFERENT NICKEL LAYERS THICKNESS. Andrei Smirnov
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- 23. EXTERNAL MAGNETIC FIELD INFLUENCE ON THE SYSTEM OF ANISOTROPIC NANOPARTICLES. Anna Akisheva
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- 28. INSTABILITY OF MAGNETIC MOMENTS OF 3D-METAL ATOMS IN (FE,CO)7SE8. Danil Akramov
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- 30. FEATURES OF THE SPERIMAGNETIC STRUCTURE OF TBCO-BASED MULTILAYERS. Ilya Makarochkin
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- 86. ELECTRONIC PROPERTIES IN HEUSLER ALLOYS OF MN2YAL (Y = TI, V, CR, MN, FE, CO, NI) SYSTEM. Pavel Korenistov
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- 104. ELECTRONIC AND OPTIC PROPERTIES OF SNO-2:EU. Timofey Losev
- 105. LONG- AND SHORT-RANGE ORDERING IN LINIPO4 ANTIFERROMAGNETIC. Mikhail Semkin
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- 110. INFLUENCE OF SYNTHESIS CONDITIONS ON THE OPTICAL PROPERTIES OF THE ZNO-C THIN FILM SYSTEM. Sergei Pankov
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- 10. MULTIPURPOSE INTERFACE FOR INFORMATION-MEASURING SYSTEMS WITH GPIB. Anna Pereverzeva
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- 12. 3D RECONSTRUCTION FOR THE PROTOTYPE OF A CT SCANNER WITH A PULSED X-RAY SOURCE. Nikita Komarov

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- 11. ELECTRICAL CONDUCTIVITY OF MELTS XLI2O-(100-X)B2O3. Maria Samoylova
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