

The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022)

Tuesday, 25 October 2022

Condensed Matter Physics - R2 (310) (14:00 - 16:00)

| time | [id] title | presenter |
|-------|---|---------------------|
| 14:00 | [997] Photoluminescence of swift heavy ion irradiated MgAl ₂ O ₄ spinel single crystals | MAMATOVA, Meruyert |
| 14:15 | [1047] Neutron Tomography in the Study of the Cultural Heritage of Antiquity and the Middle Ages | BAKIROV, Bulat |
| 14:30 | [1010] Resistive plate chamber with B-10 for registartion of thermal neutrons | Mrs PETROVA, Maria |
| 14:45 | [995] Investigation of the radiation resistance and optical properties of new composite thermal barrier coatings. | BADALYAN, Anush |
| 15:00 | [982] Preparation and study of Graphene/LN heterojunction for sensorial application | Ms GALSTYAN, Stela |
| 15:15 | [981] The influence of proton irradiation on I-V characteristics of LPE graphene | Ms GASPARYAN, Naira |
| 15:30 | [1045] Promising cathode material for sodium-ion batteries: Prussian White modified with polyaniline | IVANSHINA, Olga |
| 15:45 | [1013] Effect of Geometrical and Physical Properties of Cantor Structure for Gas Sensing Applications | Mr A. ZAKY, Zaky |

Wednesday, 26 October 2022

Condensed Matter Physics - Conference hall (14:00 - 16:00)

| time | [id] title | presenter |
|-------|---|-------------------------|
| 14:00 | [1049] Study of the crystalline and magnetic structure of half-Heusler compounds $MnNi_{0.9}M_{0.1}Sb$ ($M = Ti, V, Cr, Fe, Co, Zn$) at high pressures and low temperatures | RUTKAUSKAS, Anton |
| 14:15 | [1063] THE PRESSURE EFFECT ON CRYSTAL AND MAGNETIC STRUCTURES OF VAN DER WAALS MATERIALS | LIS, Olga |
| 14:30 | [1134] Investigation of superconducting-ferromagnetic heterostructures by polarized neutron reflectometry with secondary radiation registration | Dr ZHAKETOV, Vladimir |
| 14:45 | [1060] Phase transition of nanostructured zinc ferrite spinel at high pressure | Ms BELOZEROVA, Nadezhda |
| 15:00 | [1094] Conductivity and electrochemical charge storage capacity of thermally treated and ion-beam irradiated graphene oxide/12-tungstophosphoric acid nanocomposites | MRAVIK, Željko |
| 15:15 | [1125] Physicochemical properties of hydrothermally synthesized nanocomposites of graphene-oxide and Zn/Ga-doped cobalt ferrite | GRUJIČIĆ, Marija |
| 15:30 | [1124] Oxygen moieties on GO and GO/WPA nanocomposites after thermal treatment and chemical titrations | PEJČIĆ, Milica |
| 15:45 | [1132] The effect of Cu doping on physicochemical properties of bismuth vanadate | Mr JELIĆ, Marko |

Condensed Matter Physics - Conference hall (16:20 - 17:50)

| time | [id] title | presenter |
|-------|--|---------------------|
| 16:20 | [1140] Pressure effected phase transition of perovskite like $La_2Ti_2O_7$ | Mr ASADOV, Asif |
| 16:35 | [1167] NEUTRON ABSORPTION AND SCATTERING OF BY SUB-BARRIER REFLECTION | KOLUPAEV, Evgenii |
| 16:50 | [1141] Synthesis, Thermogravimetric, Dielectric, Electrical, and Mössbauer Studies of the $CuCrO_2$ Phase with the Delafossite Structure | MATASOV, Anton |
| 17:05 | [1170] Linear and non-linear methods applied to fitting non-isothermal kinetic curves of dehydration of PAAG hydrogel swollen to equilibrium and non-equilibrium state | Mr PETKOVIĆ, Darija |