



# The XXI International Scientific Conference of Young Scientists and Specialists (AYSS-2017)

## Monday, 2 October 2017

### Oral session: Applied Research: Section 1, Part 1 - Room 406, 4th floor (13:30 - 15:15)

time	[id] title	presenter
13:30	[449] The environmental benefits of the implementation of first Polish nuclear power plant	Mr CHOLEWINSKI, Maciej
13:45	[460] Ferromagnetic nanotubes as carriers for targeted delivery of drug and protein	Ms SHUMSKAYA, Alena
14:00	[453] Preparation the map of concentration alpha-radiation radon gas in building of Warsaw University of Technology.	Mr BOLEK, Karol
14:15	[454] Determination of <sup>238</sup> Pu, <sup>241</sup> Am, <sup>244</sup> Cm, <sup>90</sup> Sr and <sup>137</sup> Cs activities collected on dust masks during visiting Pripjat city using sequential radiochemical procedure	Mr MRÓZ, Tomasz
14:30	[451] The neutron imaging study of cultural heritage items from Tver treasure	NAZAROV, Kuanysh
14:45	[566] Simulating security hazards in the process of methanol storage	Mr KSIĄDZYNA, Krzysztof
15:00	[567] Influence of Model Parameters on Magnetic Moment Reversal in SFS Structure	Ms MIKHAILOVA, Margarita

### Oral session: Applied Research: Section 1, Part 2 - Room 406, 4th floor (15:45 - 17:15)

time	[id] title	presenter
15:45	[456] Two-section HTS electromagnet in laboratory reaserch	MALINOWSKI, Krzysztof
16:00	[457] Investigation of the cold process pipe rupture mechanism	Mr DZIEWIECKI, Maciej
16:15	[458] The new Safirinium P and Q derivatives for improved detection by mass spectrometry	Mrs WIERZBICKA, Magdalena
16:30	[459] Preliminary result of investigation of the metal composition of coins from Phanagoria's treasure by method of neutron resonance capture analysis	Mr YERGASHOV, Almat
16:45	[431] Effect of nanostructured carbon additives on the functional characteristics of electrodes of lithium-ion batteries	YERDAULETOV, Meir
17:00	[574] Synthesis and characterization of spider silk coated with maghemite nanoparticles	Ms DMITROVIC, Svetlana

# Tuesday, 3 October 2017

## **Oral session: Applied Research: Section 2 - Room 406, 4th floor (13:30 - 15:15)**

time	[id] title	presenter
13:30	[470] Anti-oxidant activity of commonly used food products (clove and Honey) to mitigate the deleterious effect of oxidative stress and liver injury induced by CCl <sub>4</sub>	Mr TAHA ABDELRAHMAN, Mohamad
13:45	[471] Combined detector model for the purpose of nuclear density measurement	Dr GOLGOUN, Seyedmohammad
14:00	[472] New experimental research stand svicka neutron field analysis using neutron activation detector technique	Mr VARMUZA, Jan
14:15	[473] Simulation of 10in SB-LOCA in typical PWR using MELCOR code	Mr MALICKI, Mateusz
14:30	[474] Application of Positron Annihilation Spectroscopy for Structural Defect Studies	Dr SIEMEK, Krzysztof
14:45	[550] Preliminary result of investigation of the isotope composition of fibula from Podbolotyevsky burial ground (10th century AD) by method of neutron spectroscopy	BAZHAZHINA, Nina
15:00	[568] Research of catalytic properties of metallic nanotubes	Mrs IBRAGIMOVA, Milana