



# The XXII International Scientific Conference of Young Scientists and Specialists (AYSS-2018)

## Monday, 23 April 2018

### Oral session: Applied Research: Section 1, Part 1 - NICA Hall, 1st floor (14:30 - 16:15)

time	[id] title	presenter
14:30	[515] Magnetic nanoparticles preparation by chemical reduction for biomedical applications	Dr KELGENBAEVA, Zhazgul
14:45	[658] Possibility of ice formation in heat exchangers used in energy industry	Mr KOPCZYNSKI, Aleksander
15:00	[519] Simple way of SiO <sub>2</sub> /Si ion-track templates parameters characterization	Ms BUNDYUKOVA, Victoria
15:15	[521] RING DETECTOR FOR MEASURING OF SMALL-ANGLE SCATTERING OF THERMAL NEUTRONS BY REAL-TIME DIFFRACTOMETER (RTD)	Mrs MILKOV, Vasil
15:30	[520] Application of phase change materials in nuclear facilities	Mrs OCHMAN, Agnieszka
15:45	[516] Oxygen vacancy clustering and short-range pyrochlore ordering in yttrium niobate	Mr WINIARZ, Piotr
16:00	[531] Solid electrolyte interface formation on Lithium metal anode in gel polymer electrolytes	

### Oral session: Applied Research: Section 1, Part 2 - NICA Hall, 1st floor (16:45 - 18:15)

time	[id] title	presenter
16:45	[522] Utilization of the physical exergy of cryogenic fluids	Mr WOJCIESZAK, Paweł
17:00	[523] Atomistic simulation and Li ion diffusion studies of bulk Li <sub>x</sub> TiO <sub>2</sub> nanostructures as anode electrode material for lithium ion batteries	
17:15	[524] Discussion on near-surface conicity of latent tracks observed in TiO <sub>2</sub> single crystals after swift heavy ion irradiation	MUTALI, Alisher
17:30	[525] FISSION AND NEUTRON CAPTURE REACTION RATES IN MASSIVE URANIUM TARGET UNDER RELATIVISTIC BEAM IRRADIATION	Ms ZHADAN, Alina
17:45	[526] Study of ion mobility of gas mixtures	KAJA, Magdalena
18:00	[527] Possibility of ice formation in heat exchangers used in energy industry	Mr KOPCZYNSKI, Aleksander