

Student workshop on modern physics: Photonics and Extreme Light

Thursday, 7 February 2019

Elevator Speeches - TBD (14:30 - 17:30)

time	[id] title	presenter
14:30	[39] Solar cells based on cu ₂ znsns ₄ /n-si heterojunction	Ms LANDAR, Olha
14:40	[38] Energy spectrum and effective susceptibility of a spherical quantum dot with a shell	Mr KOROVIN, Heorhii
14:50	[41] The influence of the nanoparticles interaction on the local field enhancement effect	Ms DEMCHENKO, Hanna
15:00	[46] Development of precision information-measuring complex for optical metrology of nanosystems	Mr YAMPOLSKIY, Andriy
15:10	[37] Fluorescence-based temperature control for dynamics of microwave heating procedures	Ms NATALIYA, Haiduk
15:20	[44] FEM modeling of LSPR sensor response for molecularly imprinted molecules	Mr DEMIDOV, Peter
15:30	[45] Ellipsometric control of the homogeneity of surface structure of semiconductor thin plates	Mr PRUSKYI, Illia
15:40	[42] Transport in hybrid PEDOT:PSS/Ge/nSi heterostructures	Mr DERENKO, Serhii
15:50	[43] Proton transfer in 3-domains HTTH luminophore under Au NP influence. The luminescence study.	Mr HUDZENKO, Illia
16:00	Coffee Break	
16:20	[40] Development of precision information-measuring complex for optical metrology of nanosystems	Mr YAMPOLSKIY, Andriy
16:30	[34] New approach for describing optical properties of nanocomposite thin films	Mr TARAS, Vasyliiev
16:40	[35] ITO-Si heterojunction solar cell with nanocrystal line CdTe thin films	Mr POCHERPALO, Andrii
16:50	[36] Surface plasmon resonance in "monolayer of ni nanoparticles/dielectric spacer/au (ni) film" nanostructure: tuning by variation of spacer thickness	Ms TOMCHUK, Anastasiia
17:00	[47] Waveguide dye laser based on nanoscale mesostructured film	Mr PODSHEBIAKIN, Artem