

Track 5: Nanotechnologies, Photonics, Electron Devices & Magnetism

August 27, 2021

Moderator: Sergey Mizrakhy

Please click the link below to join the webinar (Passcode: 826920):

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Time	EasyChair #	Speaker	Organization, Country	Topic
15:30 - 15:45	9	Ivan Koziarskyi	Yuriy Fedkovych Chernivtsi National University, Ukraine	Photoelectrical properties of the Cu ₂ O/CdTe heterostructure
15:45 - 16:00	157	Vladimir Berest	V.N.Karazin Kharkiv National University, Ukraine	Lipid Nanocarriers Impede Side Effects of Delivered Antimicrobial Peptide
16:00 - 16:15	1	Vladyslav Yevdokymenko	Sumy State University, Ukraine	The annealing effect on the structure and microstructure of 3D printed zinc oxide films
16:15 - 16:30	77	Roman Zaitsev	NTU "Kharkiv Polytechnic Institute", Ukraine	Advanced heat transfer model of PV/T system
16:30 - 16:45	144	Kyrylo Prykhodko	V.N.Karazin Kharkiv National University, Ukraine	Impact Ionization in Graded Gap Transferred Electron Diode
16:45 - 17:00		Break		
17:00 - 17:15	148	Eduard Lysenkov	Petro Mohyla Black Sea National University, Ukraine	Development of piezoresistive materials based on elastic polyurethanes and carbon nanotubes for sensor devices
17:15 - 17:30	122	Natalia Nazarova	Institute of Pulse Processes and Technologies of the NASU, Ukraine	Search For The Ways To Implement A Hybrid Method For Obtaining A Hardening Composite Coating With Onion-Like Carbon And Metal Carbides During Electric Explosion Of Electrical Conductors
17:30 - 17:45	4	Roman Mykhailyshyn	Ternopil Ivan Puluj National Technical University, Ukraine	Systems Ignition Device for High-Pressure Gas Discharge Lamps Based on Voltage Piezoelectric Transformer
17:45 - 18:00	71	Sergey Mizrakhy	O.Ya. Usikov Institute for Radiophysics and Electronics of the NASU, Ukraine	Plasma Electrolytic Oxidation of Al: Structure and Properties of Coatings
18:00 - 18:15	104	Halyna Petrovska	Lviv Polytechnic National University, Ukraine	Research of dispersed media optical properties by photothermal interference method
18:15 - 18:30	65	Oleksii Kostenko	B. Verkin Institute for Low Temperature Physics and Engineering of the NASU, Ukraine	Electromagnetic Eigenvalue Problem for a Graphene Strip Placed in the Center of a Circular Dielectric Rod: Hypersingular Integral Equations and Symmetry Classes