

Track 1: Microwave Techniques, Antennas & Radar Systems
Regular Papers - Part 1

August 28, 2021

Moderator: Mariya Antyufeyeva

Please click the link below to join the webinar (Passcode: 860435):

<https://us06web.zoom.us/j/87003708121?pwd=czMmSDg3Z2hrS3JRL1UyOHlQRmhYQT09>

Time	EasyChair #	Speaker	Organization, Country	Topic
14:00 - 14:15	13	Dmitriy Mayboroda	V. N. Karazin Kharkiv National University, Ukraine	Microstrip antenna with complex topology fed by coplanar line
14:15 - 14:30	156	Oleg Sukharevsky	Ivan Kozhedub Kharkiv National Air Force University, Ukraine	Direction Finding Accuracy for Ropucha-Class Landing Ship in Sighting along Missile Flight Trajectory
14:30 - 14:45	51	Leonid Filins'Kyy	Oles Honchar Dnipro National University, Ukraine	Study of Microwave Absorption in Foam Structures Using Microstrip Cells
14:45 - 15:00	52	Leonid Filins'Kyy	Oles Honchar Dnipro National University, Ukraine	Distributed Inductance Printed Antennas
15:00 - 15:15	81	Andriy Semenov	Vinnytsia National Technical University, Ukraine	Single-Mode and Multimode Operation of the Rectangular Waveguide with a Spherical Ferrite Probe
15:15 - 15:30	89	Sergii Litvintsev	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Combine Bandpass Filter with Asymmetric Frequency Response and Extended Stopband
15:30 - 15:45	121	Igor Tovkach	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Analysis Of Influence Of Number Of Sensors On Accuracy Of Radio Source Position Determination Based On TDOA-, RSS- And AOA- Measurements
15:45 - 16:00	105	Vlad Khrychov	V. N. Karazin Kharkiv National University, Ukraine	Using KD-tree for Algorithm of Electromagnetic Scattering Calculation on Complex Shape Objects
16:00 - 16:15	63	Mstislav Kaliberda	V. N. Karazin Kharkiv National University, Ukraine	Operator Method in Approximate Solution of Dielectric Waveguide Eigenwaves Scattering by Graphene Strips
16:30 - 16:45	64	Mstislav Kaliberda	V. N. Karazin Kharkiv National University, Ukraine	Operator Method in the E-Polarized Plane Wave Scattering by Coplanar Half-Plane and Disk: Basic Equations and Convergence
16:45 - 17:00	39	Elena Velichko	O.Y.Usikov Institute for Radiophysics and Electronics NASU, Ukraine	Far-Field Characteristics of Discrete Parabolic Reflector Made of Circular PEC Wires, Symmetrically Illuminated by Plane Waves
17:00 - 17:15	47	Ivan Kolenov	O.Y.Usikov Institute for Radiophysics and Electronics NASU, Ukraine	Influence of Contamination with Silicone Release Agent on the Ellipsometric Parameters of CFRP Surface in the Sub-THz Range
17:15 - 17:30	115	Sergey Berdnik	V. N. Karazin Kharkiv National University, Ukraine	Triple-Band Dipole Antenna for Wireless Communication Systems
17:30 - 17:45	54	Teodor Mandziy	Karpenko Physico-Mechanical Institute of the NAS of Ukraine	Influence of Colour Restoration on Rust Image Segmentation
17:45 - 18:00	7	Daria Hlavcheva	National Technical University "Kharkiv Polytechnic Institute", Ukraine	Comparison of CNNs for lung biopsy images classification
18:00 - 18:15	66	Halyna Klym	Lviv Polytechnic National University, Ukraine	Mechanisms of structural degradation of oxymanganospinel ceramics for active elements of temperature sensors
18:15 - 18:30	123	Halyna Klym	Lviv Polytechnic National University, Ukraine	Influence of technological features of formation of humidity-sensitive thick-film structures on their functionality
18:30 - 18:45	128	Halyna Klym	Lviv Polytechnic National University, Ukraine	Effect changing of nanopore volumes in MgAl ₂ O ₃ ceramics under the influence of water