

Track 1: Microwave Techniques, Antennas & Radar Systems
Regular Papers - Part 2

August 28, 2021

Moderator: Maxim Legenkiy

Please click the link below to join the webinar (Passcode: 265793):

<https://zoom.us/j/93837663963?pwd=TzRkaFFYSUNXYJRQVYwc041ROJudz09>

Time	EasyChair #	Speaker	Organization, Country	Topic
14:00 - 14:15	41	Yelyzaveta Kalinichenko	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Adjustable Iris-Post Waveguide Polarizer for Ku-band Satellite Uplink Systems
14:15 - 14:30	108	Oleksandr Maltsev	Kharkiv National University of Radio Electronics, Ukraine	Optimization of Data Processing Structure for Multi-Position Radar Surveillance Systems
14:30 - 14:45	109	Oleksandr Maltsev	Kharkiv National University of Radio Electronics, Ukraine	Optimal Measurement of Signal Data Parameters of Requesting Radar Systems
14:45 - 15:00	110	Oleksandr Maltsev	Kharkiv National University of Radio Electronics, Ukraine	Assessing SSR Relative Data Capacity
15:00 - 15:15	30	Iryna Fesyuk	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Waveguide Polarizer for Radar Systems of 2 cm Wavelength Range
15:15 - 15:30	43	Yevhenii Herhil	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Characteristic Impedances of Rectangular and Circular Waveguides for Fundamental Modes
15:30 - 15:45	34	Vadym Shuliak	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Modern Microwave Polarizers and Their Electromagnetic Characteristics
15:45 - 16:00	92	Oksana Boyko	Danylo Halytsky Lviv National Medical University, Ukraine	Improvement of the metrological characteristics of biomedical temperature sensors based on transistor structures
16:00 - 16:15	150	Roman Yaremyk	Ivan Franko National University of Lviv, Ukraine	DSP-based Cross-Correlator for the Analysis of Dynamic Light Scattering Data for Biomedical Investigation
16:30 - 16:45	90	Oleksii Bykovskiy	Igor Sikorsky Kyiv Polytechnic Institute, Ukraine	Synthesis of Waveguide Diaphragm Polarizers Using Wave Matrix Approach
16:45 - 17:00	45	Mykhailo Kopot	Kharkiv National University of Radio Electronics, Ukraine	Design and Simulation of Millimeter-Wave Magnetrons
17:00 - 17:15	21	Bohdan Sus	Taras Shevchenko National University of Kyiv, Ukraine	Development of Neural Network for Cyclohexane Oxidation Data Processing
17:15 - 17:30	135	Oleksandr Pryshchenko	V. N. Karazin Kharkiv National University, Ukraine	Subsurface Object Detection in Randomly Inhomogeneous Medium Model
17:30 - 17:45	125	Victor Rozumenko	V. N. Karazin Kharkiv National University, Ukraine	Multi-Frequency Multiple Path Oblique Incidence Sounding of the Ionosphere Disturbed by Super Typhoon Motion
17:45 - 18:00	116	Kostyantyn Garmash	V. N. Karazin Kharkiv National University, Ukraine	Radio Wave Characteristics Distorted During Geospace Storm: Results of Multi-Frequency Multiple Path Oblique Sounding of Ionosphere
18:00 - 18:15	76	Anna Repina	Kazan Federal University, Russia	Enhanced Directionality of Emission of the On-Threshold Modes of a High Refractive Index Microdisk Laser Due to a Small Piercing Hole
18:15 - 18:30	57	Mykola Dubinin	V. N. Karazin Kharkiv National University, Ukraine	Measurement of diameter, color characteristics and complex refractive index of thin fibers by component analysis of colors in an image