

UkrMW-2026 Excellent Papers

August 17–20, 2026

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#5 Electromagnetic Scattering of a Rounded-Corner Dielectric Cube Sandwiched Between Impedance Surfaces: Method of Auxiliary Sources Formulation

*Iscan, Emre; Usman, Mustafa Badri; Karacuha, Kamil; Tabatadze, Vasil**

#6 Tunable Transmission Line Resonators with Stubs

Avdeyenko, Gleb; Zakharov, Alexander; Litvintsev, Sergii*

#8 Potential Threats to GNSS Equipment from Signals of Low-Earth-Orbit Satellite Communication System

Konin, Valeriy; Ishchenko, Oksana; Kondratiuk, Vasyi*

#12 Demasking of the Geomagnetism Influence on Tweek-Atmospheric Observation in Sub-Antarctic: the Seasonal Weather Variability Impact

*Gorishnya, Yulia**

#13 A Highly Linear 10 W Shunt Differential SOI-CMOS RF Switch

Solomko, Valentyn; Zhang, Yiwen; Hsu, Ting-Li*

#55 A Mathematical Model of Seismic Wave Scattering on Underground Objects with a Non-homogeneous Boundary Condition

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#63 3D Printed Patch-Driven End-Fire Antenna

Pochanin, Gennadiy; Pochanina, Iryna; Ruban, Vadym; Korzh, Vadym; Ogurtsova, Tetiana*

#67 Electron-Beam Diffraction Radiation in Graphene Sheet–Dielectric Waveguide with Finite Graphene Strip Grating

Kaliberda, Mstyslav; Pogarsky, Sergey; Biloshenko, Oleksandr*

#68 Data Fusion of Multi-Frequency Radar, Radiometer, and In Situ Sensors for Rain and Cloud Research

Yanovsky, Felix; Pitertsev, Aleksander; Unal, Christine M. H.; Russchenberg, Herman W.J.*

#70 Remote Sensing of Extreme Storm-Time Ionosphere: Global Characteristics and Features

Bessarabova, Valeriia; Chernogor, Leonid*

#74 Remote Sensing of the Disturbed Ionosphere During May 10–11, 2024, Extreme Geospace Storm

Hrabko, Tymofii; Chernogor, Leonid; Mylovanov, Yurii*

#82 Ground Penetrating Radar with a Chirp Signal Using a Vector Network Analyzer NanoVNA

Pochanin, Gennadiy; Ruban, Vadym; Pochanina, Iryna; Ogurtsova, Tetiana; Orlenko, Oleksandr; Kholod, Pavlo*

#84 Severe Geomagnetic Storm in August 2024

*Chernogor, Leonid; Holub, Mariia; Novytska, Daria**

#87 E-Wave Plane-Wave Scattering by Sinusoidal Open PEC Strips via the Method of Discrete Singularities

Petryshyn, Andrii; Dukhopelnykov, Sergii; Zinenko, Tatiana*

#89 Dual-Frequency Antenna Array with Combined Slot-Dipole Elements

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#92 Characterization of Helicopter Rotor Blade Modulation in UHF and Microwave Bands

Keusgen, Wilhelm; Schultze, Alper; Schmieder, Mathis; Peter, Michael; Eichler, Taro*

#95 Negative Dispersion and Resonant Mode Hybridization in a Six-Layer Metasurface-Dielectric-Semiconductor Structure

Averkov, Yuriy; Averkov, Oleg; Beletskii, Mykola*

#99 Investigation of a Microwave Rectifier for Pulsed LFM Signals

Potapov, Maksym; Drobakhin, Oleg*

#100 Spectral Mechanism of Interference Reflection in Multi-Slot Irises of a Circular Waveguide

Steshenko, Sergiy; Kirilenko, Anatoly; Derkach, Vadim; Ostryzhnyi, Yevhenii*
