ПОВІДОМЛЕННЯ

Інформаційне повідомлення щодо проведення першого IEEE Українського мікрохвильового тижня «THE FIRST IEEE UKRAINIAN MICROWAVE WEEK» – UkrMW-2020

Шановні колеги! 22 – 27 червня 2020 року планується проведення першого IEEE Українського мікрохвильового тижня «THE FIRST IEEE UKRAINIAN MICROWAVE WEEK» (UkrMW-2020).

Основні напрямки і секції (робочою мовою конференції):

MSMW 2020 Topics:

- Waves in semiconductors and in solid state structures
- Radiospectroscopy- Microwave superconductivity
- Vacuum electronics
- Solid state devices
- Radio astronomy and Earth's environment study
- Artificial materials: metamaterials and composite structures
- Scientific and industrial instrumentation
- Biomedical applications
- Electromagnetic theory and numerical simulation

ICATT 2020 Topics:

- General Antenna Theory- Reflector, Lens and Hybrid Antennas
- Antenna Arrays
- Adaptive Antennas, Smart Antennas
- Low-Gain, Printed Antennas
- Antennas for Mobile Communications
- Antennas for Industrial and Medical Applications
- Antennas for Radioastronomy
- Antenna Radomes and Absorbers
- Antenna Measurements

MRRS 2020 Topics:

- Active and passive radars, components and circuits
- Analog and digital components of radar and electronic systems
- Signal Data and Image processing- Scattering and RCS; parametric and Doppler techniques
- Target classification and identification
- Remote sensing of Land/Atmosphere; remote sensing systems for light air vehicles and UAV
- Radar applications: Meteorology; Biomedicine, Security and Defense, Automotive, Industrial radars
- GPR and TWS radar; SAR and ISAR; Acoustic, radio-acoustic and secondary radar systems
- Metamaterials in Radar
- Educational and historical aspects

UWBUSIS 2020 Topics:

- UWB signal processing
- Theoretical investigations and numerical simulations of UWB and ultrashort impulse signals and processes
- Generation and receiving of UWB signals and ultrashort impulses
- Ultra-wideband antennas
- Electromagnetic compatibility
- Electromagnetic metrology
- Propagation and scattering of ultra-wideband and ultrashort impulse signals in natural and artificial materials (complex media, radio absorbers, biomaterials, nanostructures, metamaterials, etc.);
- Ultra-wideband radar and ground penetrating radar
- Application of UWB signals and ultrashort impulses (communication, medicine, etc.)

Більш детальна інформація на сайті конференції http://uamweek.ieee.org.ua/.