ПОВІДОМЛЕННЯ

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Інформаційне повідомлення щодо проведення 17-ї IEEE Міжнародної наукової конференції «Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering» (TCSET'2024)

8 – 12 жовтня 2024 року планується проведення у гібридному форматі 17-ї IEEE Міжнародної наукової конференції «Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering» (TCSET'2024).

Організатори та партнери:

- IEEE Ukraine Section;
- IEEE Ukraine Section COM Society Chapter;
- IEEE MTT/ED/AP/CPMT/SSC Joint West Ukraine Chapter;
- Національний університет "Львівська Політехніка" (Україна);
- Military University of Technology (Польща).

Основні напрямки (робочою мовою конференції):

Track 1. Signal Theory and Simulation of Radio Electronics, Electro-Technical and Electro-Energetic Systems

- Signal Representation and Analysis
- Digital Signal Processing
- Electric Power Generation, Transmission and Distribution Systems
- Circuit Analysis and Design

Track 2. Communications and Computer Sciences

- Software Engineering
- Cyber-Physical Systems
- Big Data Technologies
- Software-Defined and Intent-Based Networks

Track 3. Telecommunications

- Wired and Wireless Systems
- Network Services

- Communication Protocols

Track 4. Robotics and Internet of Things

- Robotics and Mechatronics
- Embedded Systems
- Metaverse Applications
- Vehicular Technology
- Human Machine Interaction

Track 5. Radio Electronic Devices and Systems

- Radar Systems
- Satellite Communication
- Design of Radio Electronic Systems and Devices

Track 6. Avionics

- Flight Control and Management Systems
- Control and Measuring Devices
- Aviation Information Systems and Complexes
- UAV

Track 7. Photonics, Electronics and Quantum Systems

- Lasers and Integrated Optics
- Light-Emitting Devices
- Materials Engineering
- Quantum Systems

Track 8. Micro-, Nanotechnologies and Nanoengineering

- Semiconductor Devices and Materials
- Nanoscale Electronic Components and Systems
- Micro-, Nanomaterials and Structures
- Fabrication and Integration of Functional Micro-Nanostructures

Track 9. Information and Communication Systems

- Information and Communication Network Architectures
- Distributed Computing
- Software and Web Engineering

Track 10. Information Systems and Technologies

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- Theory of Information Systems
- Information Processing
- Information Retrieval and Database Systems

Track 11. Artificial Intelligence and Machine Learning

- Pattern Recognition
- Computer Vision Applications
- Deep Learning & Neural Network Robotics
- Distributed and Decentralized Machine Learning Algorithms

Track 12. Cybersecurity

- Data Security and Privacy
- Cyber Risks Management
- Digital Transformation and Innovation

Track 13. Biomedical Engineering

- Biomedical Signal Processing
- Telemedicine
- Biomedical Instrumentation and Sensors
- Medical Information Technology

Track 14. Antennas, Microwave Technology and Electromagnetic Compatibility

- Antenna Theory, Modelling and Design
- Microwave and RF Devices and Circuits
- Computational and Numerical Techniques

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