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2021 IEEE 4th International Conference on Electronic Information and Communication Technology will be held in Xi'an, China on August 20-22, 2021.

ICEICT 2021 is sponsored by Xi'an Jiaotong University and IEEE Harbin Section. It is also supported by IEEE Harbin AP/MTT/EMC Joint Chapter and other research institutes and universities.

Previous ICEICT (2016-2019-2020) were successfully held respectively and all the accepted papers from ICEICT conferences have been included in IEEE Xplore and indexed by EI Compindex.

The proceedings of ICEICT 2021 that meet IEEE quality review standards will be eligible for inclusion in the IEEE Xplore Digital after the review taken by IEEE conference publication group and then submitted to EI Compindex index.

IEEE Part Number: CFP21F64-USB © ISBN: 978-1-6654-3202-3

Call for Papers

I. Microwave Systems, Radar, RF

- Aeronautical and Space Applications
- RFID Devices/Systems/Applications
- Automotive/Transportation Radar & Communications
- UWB and Multispectral Technologies & Systems
- Emerging System Architectures
- Modelling Techniques for RF Systems
- Radar Techniques, Systems and Applications
- Sonar Systems and Applications
- Wireless Power Transfer & Energy Harvesting
- Terahertz Systems
- Instrumentation and Measurement Techniques
- Linear Device Modeling
- Nonlinear Device Modeling
- Terahertz Devices: Electronics/Photonics/Plasmonics
- (MIMO) measurements
- Nonlinear measurement techniques
- RF packaging and package modeling
- Semiconductor devices and component modeling for RF applications
- RF MEMS and microsystems
- Microwave and millimeter-wave systems
- Radar, SAR and microwave imaging
- Electronic warfare and other military applications of RF/microwaves
- Measurement techniques for antennas, electromagnetic radiation, propagation
- Novel electromagnetic materials

II. Communications and Network

- Modeling & Simulation of Communication Systems
- Network Architecture & Protocol
- Optical Fiber/Microwave Communication
- Wired & Wireless Communication and Networking
- IoT (Internet of things); RFID; WPAN; ZigBee
- Modulation, Coding and Information Theory
- Satellite Communications; Ultra-Wideband; Protocols; Nano networks;
- Optical Communications and Networking; Mobile Computing

- Grid, cluster and P2P computing; Pervasive/ubiquitous computing
- Web services and Internet computing; Computer and Network Security
- Cryptography; Mobile and Wireless networks security
- Optical network security

III. Signal Processing and Information Technology

- Acoustic/Sonar Imaging and Techniques
- Biomedical Image Processing
- Radar SP and Imaging, SAR, ATR
- MIMO SP for Radar
- Ground and Foliage Penetration Systems
- Signal Acquisition and Sensor Management
- DF, Emitter Location, Elint, Array Processing
- Target Detection, Identification and Tracking
- Data Fusion; Information Storage;
- Trusted Computing and Fault-Tolerant Computing
- Operating System; Software Engineering; Information Security
- Sensor data processing, mining, and machine learning
- Coding, compression and information theory

IV. Antennas, Propagation, and Scattering

- Smart Antennas, Beamforming and MIMO
- Wave Propagation and Channel Modeling
- Wave Scattering and RCS
- NanoEM, Plasmonics, and Applications
- Metamaterials, FSS and EBG
- EM Field Theory and Numerical Techniques
- EM Interference & Compatibility, SI
- Spectrum Management and Monitoring
- RF, uWave, mmW and THz Measurements

Important dates

Paper submissions deadline: June 10, 2021

Notification of acceptance: June 20, 2021

Registration deadline: July 10, 2021

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