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The technology landscape is constantly evolving, and so are IEEE publications. Every year, IEEE introduces new journals, conferences, and standards to address growing areas of research and emerging fields.

IEEE adds approximately 20,000 new documents to IEEE *Xplore* each month. In fact, IEEE has published an average of more than 230,000 new IEEE and IET journal and conference, and IEEE standards documents per year over the past 5 years, only accessible to IEEE subscribers.

Additionally, there have been many recent enhancements to IEEE *Xplore* to add value to your content:

- A search engine upgrade that allows for a much more integrated experience and offers users several enhanced features including the ability to use wildcards with phrased searches, the use of search operators in basic search, and an improved process for saved searches, among other things.
- A state-of-the-art IEEE *Xplore* API platform along with a new Metadata API addresses growing customer requests and STM industry movement towards machine-readable content.
- A more secure HTTPS technology to help protect the privacy and security of users.
- A new module within IEEE *Xplore* (in the Code and Datasets Tab) that allows users to leverage Code Ocean and other reproducible research tools. Users can perform key functions within the module such as run, modify, and download from IEEE *Xplore* articles.

New subscription titles for 2019

- *IEEE Transactions on Biometrics, Behavior, and Identity Science*
- *IEEE Journal on Electromagnetic Compatibility Practice and Applications*
- *IEEE Internet of Things Magazine* (available late 2018)
- *IEEE Transactions on Medical Robotics and Bionics* (available late 2018)
- *IEEE Transactions on Miniaturization for Air and Space Systems*
- *IEEE Networking Letters*
- *IEEE Journal of Selected Topics on Antennas and Propagation*

New subscription titles added in 2018

- *IEEE Letters of the Computer Society*
- *IEEE Control Systems Letters*
- *IEEE Sensors Letters*
- *IEEE Solid-State Circuits Letters*
- *IEEE Internet of Things Magazine* (available late-2018)
- *IEEE Transactions on Medical Robotics and Bionics* (available late-2018)

A sample of new conferences in 2018

- IEEE International Conference on Intelligence and Safety for Robotics (ISR)
- International Flexible Electronics Technology Conference (IFETC)
- IEEE International Conference on Big Data, Cloud Computing, Data Science & Engineering (BCD)
- IEEE 5G World Forum (5GWF)
- IEEE International Conference on Soft Robotics (RoboSoft)
- IEEE International Conference on Environmental Engineering (EE)
- IEEE Data Science Workshop (DSW)
- IEEE International Conference on Artificial Intelligence in Engineering and Technology (IICAIET)
- IEEE International Conference on Industrial Electronics for Sustainable Energy Systems (IESES)
- IEEE International Symposium on Innovation and Entrepreneurship (TEMS-ISIE)
- 1st Workshop on Wide Bandgap Power Devices and Applications in Asia (WiPDA Asia)
- IEEE Research and Applications of Photonics in Defense Conference (RAPID)
- IEEE International Conference of Intelligent Robotic and Control Engineering (IRCE)
- IEEE MTT-S International Microwave Workshop Series on 5G Hardware and System Technologies (IMWS-5G)
- IEEE International Conference on Information Communication and Signal Processing (ICICSP)
- IEEE First International Conference on System Analysis & Intelligent Computing (SAIC)
- IEEE International Conference on Industrial Internet (ICII)
- IEEE Electronic Power Grid (eGrid)
- IEEE International Conference on Advanced Manufacturing (ICAM)
- Learning With MOOCS (LWMOOCS)

New Standards in 2018

IEEE releases new versions of existing standards throughout the year and introduces many new standards. The following are a few of the standards added to the collection:

IEEE 1547-2018—IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces

IEEE/ISO 11073-10427-2018—ISO/IEEE International Standard—Health Informatics—Personal Health Device Communication—Part 10427: Device Specialization—Power Status Monitor of Personal Health Devices

IEEE 802.1Q-2018—IEEE Standard for Local and Metropolitan Area Networks—Bridges and Bridged Networks

IEEE 1901.1-2018—IEEE Standard for Medium Frequency (Less Than 12 MHz) Power Line Communications for Smart Grid Applications

IEEE C37.100.2-2018—IEEE Standard for Common Requirements for Testing of AC Capacitive Current Switching Devices over 1000 V

IEEE 2030.7-2017—IEEE Standard for the Specification of Micro grid Controllers

IEEE 802.16-2017—IEEE Standard for Air Interface for Broadband Wireless Access Systems

IEEE 3006.3-2017—IEEE Recommended Practice for Determining the Impact of Preventative Maintenance on the Reliability of Industrial and Commercial Power Systems

Popular IEEE Standards

IEEE National Electrical Safety Code® 2017

IEEE 81-2012 IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

IEEE 80-2013 IEEE Guide for Safety in AC Substation Grounding

IEEE 519-2014 IEEE Recommended Practice and Requirements for Harmonic Control in Electric Power Systems

IEEE 141-1993 IEEE Recommended Practice for Electric Power Distribution for Industrial Plants

IEEE 802.3-2015 IEEE Standard for Ethernet

Additional Content from the IET

Every month, IEEE *Xplore* adds hundreds of new IET documents from leading journals and conferences such as:

- *IET Control Theory & Applications*
- *IET Cyber Security in Modern Power Systems*
- *IET Engineering & Technology*
- *IET Microwaves, Antennas & Propagation*
- *IET Nanodielectrics*
- *IET Power Electronics*

- IET Clean Energy & Technology Conference
- IET Conference on Intelligent and Connected Vehicles
- IET International Conference on Power Electronics, Machines and Drives
- IET Renewable Power Generation Conference

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