



**8 of the top 10** telecommunications companies subscribe to IEEE *Xplore*.

Source: 2019 Forbes Global 2000 rankings

"IEEE *Xplore* motivates us to try new technologies."

—Zhaoming Li, Senior Manager, JDSU

"IEEE *Xplore* provides valuable resources on how to improve our process and products."

—Peter Chen, Process Development Engineer, JDSU

## Telecommunications Organizations Innovate with IEEE Information

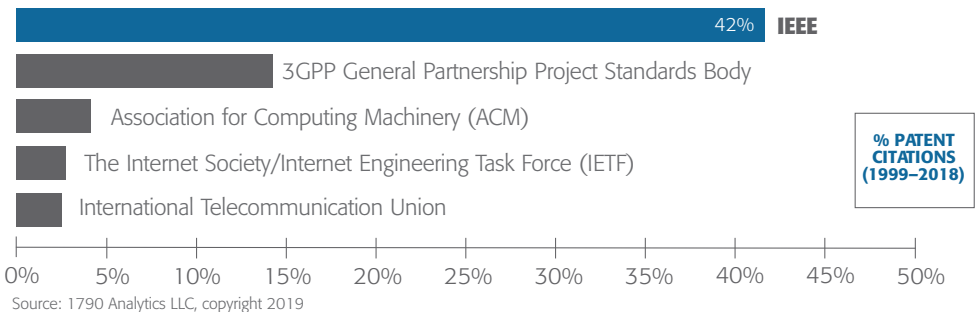
Whether you're researching broadband, WiFi, MIMO, mobile computing or any other telecommunications technology, IEEE is your gateway to the most vital information in the industry today. With the intuitive IEEE *Xplore*® digital library, you'll find the journal articles, conference proceedings, and standards needed to lead telecom innovation—and boost your company's bottom line.

### IEEE Information Drives Technology Patents

Today's telecommunications corporations deliver new patented technologies at an ever-increasing pace, based on research that is at the forefront of the industry. Organizations like AT&T, Verizon, Comcast, Nippon, CenturyLink, and Orange all cite high proportions of IEEE literature in patents for new technology. Patent references to IEEE papers have increased 842% since 1997 and recent studies of the top patenting companies show that **IEEE scientific and technical articles are cited over 3 times more often than any other scholarly or commercial publisher.**

### IEEE: the Top-Cited Publisher in Telecommunications Patents

IEEE is the top scientific and technical research source with 42% of all patent citations in telecommunications.



### Essential IEEE Content in Telecommunications Technology

IEEE content remains crucial to the telecommunications industry—providing research in a wide variety of topics through the IEEE *Xplore* digital library.

WiMax—802.16	10,500+ documents
MIMO—Multiple Inputs, Multiple Outputs	59,500+ documents
OFDM and Multi Carrier Systems	45,600+ documents
Cloud Computing	51,000+ documents
Mobile Ad Hoc Networks (MANETS)	16,900+ documents
Energy Harvesting	12,600+ documents
Smart Grid/Microgrid	40,600+ documents
Sensor Networks	92,200+ documents
Smart Antennas	3,200+ documents
Cognitive/Agile/Software Defined Radio	29,200+ documents
LTE	17,100+ documents

Counts are accurate as of June 2019 and include IEEE/IET content

[www.ieee.org/innovate](http://www.ieee.org/innovate)

Phone +1 800 701 IEEE (4333) (in the U.S.)  
+1 732 981 0060 (worldwide)

Email [onlinesupport@ieee.org](mailto:onlinesupport@ieee.org)



## The IEEE Xplore® Digital Library

Find a subscription that's right for you—from tailored journal collections to the entire research catalog—with the IEEE Xplore digital library. Along with journals, magazines, conferences, standards, eBooks, and eLearning, IEEE Xplore delivers:

- The world's most highly cited journals in technology
- Approximately 5 million full-text documents
- Full-text, searchable PDFs for all documents, and a growing number of HTML documents
- Full INSPEC abstract and citation records
- Daily content updates—approximately 20,000+ new IEEE/IET articles every month
- Multiple search options
- Interactive reference linking
- Free email alerts

## IEEE Leads Telecommunications Technology

IEEE enables innovation as a leading developer and producer of content across a wide range of industries, from standards to conferences, eBooks, and eLearning courses for aspiring individuals and growing organizations. Below is a sampling of IEEE content.

### Journals

IEEE publishes 18 of the top 20 journals in Telecommunications

1. *IEEE Communications Surveys and Tutorials*
2. *IEEE Wireless Communications Magazine*
3. *IEEE Communications Magazine*
4. *IEEE Internet of Things Journal*
5. *IEEE Journal on Selected Areas in Communications*
6. *IEEE Network*
7. *IEEE Transactions on Wireless Communications*
8. *IEEE Vehicular Technology Magazine*
9. *IEEE Transactions on Communications*
10. *IEEE Transactions on Multimedia*

Source: 2018 Journal Citation Reports (Clarivate Analytics, 2019)

### Conferences

IEEE International Symposium on Microwave, Antenna, Propagation and EMC Technologies for Wireless Communications

IEEE Conference on Computer Communications Workshops

IEEE International Conference on Communications

IEEE International Conference on Wireless and Mobile Computing, Networking, and Communications

IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications

IEEE Wireless Communications and Networking Conference

IFIP International Conference on Wireless and Optical Communications Networks

International Conference on Wireless and Optical Communications

International Symposium on Wireless Communication Systems

International Symposium on Wireless Personal Multimedia Communications

International Wireless Communications and Mobile Computing Conference

Wireless Telecommunications Symposium

### Standards

802	IEEE Standards for Local and Metropolitan Area Networks: Overview and Architecture
802b-2004	IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture
80-2000	IEEE Guide for Safety in AC Substation Grounding
145-1993	IEEE Standard Definitions of Terms for Antennas
1901-2010	IEEE Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications
1364-2005	IEEE Standard for Verilog Hardware Description Language

For more information about content types, please visit [www.ieee.org/digitalsubscriptions](http://www.ieee.org/digitalsubscriptions)

**Learn which IEEE subscription option is right for your organization.**

**Visit [www.ieee.org/innovate](http://www.ieee.org/innovate)**

Phone +1 800 701 IEEE (4333) (in the U.S.)

+1 732 981 0060 (worldwide)

Email [onlinesupport@ieee.org](mailto:onlinesupport@ieee.org)