

**2022**

*"Having access to the IEEE Electronic Library saves me time by not reinventing past solutions or going down dead ends."*

—James Nolan, AIPD Design,  
Microchip Technology



# IEEE Electronic Library

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Biomedical Engineering  
Biometrics  
Circuits & Systems  
Communications  
Computer Hardware  
Computer Software

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Electronics  
Energy  
Engineering  
Imaging  
Information Technology  
Internet of Things (IoT)  
Medical Devices  
Nanotechnology  
Optics

Petroleum & Gas  
Power Electronics  
Power Systems  
Robotics & Automation  
Semiconductors  
Smart Grid  
Sustainable Energy  
Wireless Broadband  
and more

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# IEEE Electronic Library (IEL)

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The most comprehensive IEEE online collection, the IEEE Electronic Library delivers access to the most vital information in technology today.

## IEEE Journals, Transactions, Letters, and Magazines

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The IEL subscription provides access to a backfile as far back as the late 1800s for select titles, complimentary for all active subscribers.

Also includes complimentary access to IEEE Redline Versions of Standards (where available), select VDE conference papers, IET's *E&T Magazine*, proceedings from IET conferences and events, and seminal articles from *Bell Labs Technical Journal* archive.

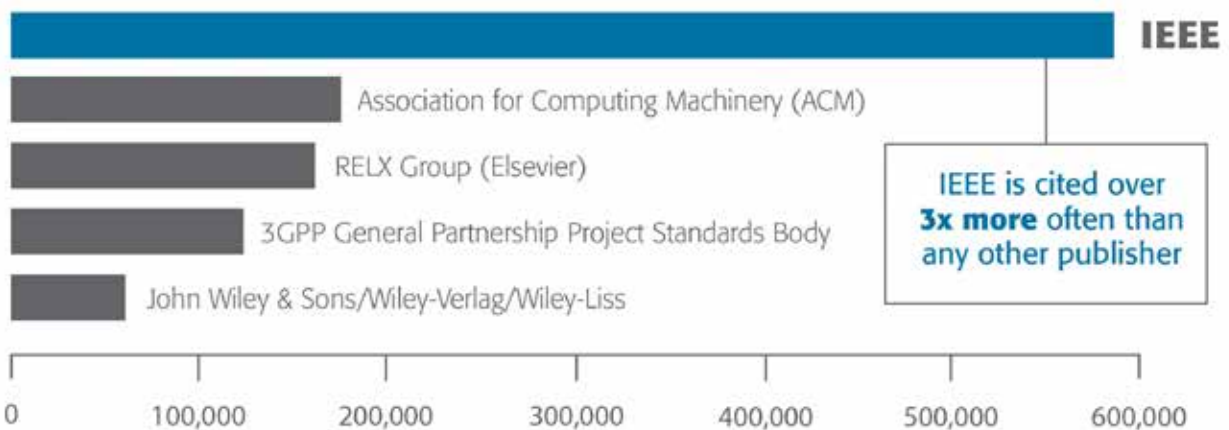
# Most Trusted Information in Technology



## Top Patenting Organizations Rely on IEEE Research

IEEE journals and conference proceedings received over 580,000 patent citations—**over three times more than any other publisher**. In fact, references to IEEE papers have increased 923% since 1997, according to recent studies by 1790 Analytics LLC.

### Patent References to the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2021.

For a free copy of the white paper "IEEE and Patents: An Analysis of Patent Referencing to IEEE Papers, Conferences, and Standards," visit [www.ieee.org/patentcitations](http://www.ieee.org/patentcitations)

## Citations to IEEE Journals Continue to Climb

Each year, the Journal Citation Reports® (JCR) from Clarivate Analytics examines the impact of scholarly journals by determining how often a journal's articles are cited by later research.

### According to the most recent report, IEEE publishes:

20 of the top 25 journals in Electrical and Electronic Engineering

9 of the top 10 journals in Telecommunications

8 of the top 10 journals in Computer Science, Artificial Intelligence

The top 5 journals in Automation & Control Systems

4 of the top 5 journals in Computer Science, Hardware & Architecture

The top 3 journals in Computer Science, Cybernetics

3 of the top 5 journals in Computer Science, Information Systems



The JCR ranks journals by their journal impact factor, defined as the average number of times articles published in a specific journal in the previous two years were cited in a particular year.

Source: 2020 Journal Citation Reports (Clarivate Analytics, 2021).

For more information on IEEE journal citation rankings, visit [www.ieee.org/citations](https://www.ieee.org/citations)

## IEEE Information Drives Innovation

The world's most successful technology companies and leading universities subscribe to the IEEE *Xplore* digital library.

**97 of the Top 100**  
Engineering and  
Technology Universities  
Worldwide

**Top 100**  
Engineering Schools  
in the US

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Companies

**8 of the Top 10**  
Telecommunications  
Companies

**Top 10**  
Aerospace & Defense  
Companies

**7 of the Top 10**  
Consumer Durables  
(Automotive &  
Electronics)

**8 of the Top 10**  
Communications  
Equipment  
Companies

**9 of the Top 10**  
Technology Hardware  
& Equipment

Sources: *Times Higher Education*, Engineering & Technology Subject Ranking 2020–21; *U.S. News & World Report*, Top U.S. Engineering Graduate Schools of 2022, ranked in 2021; 2021 Forbes Global 2000.  
Information current as of 08/2021.

# IEEE *Xplore*: Delivering Innovative Research Better than Ever

The IEEE *Xplore* digital library delivers IEL to users' computers or mobile devices. Just as the content within IEEE *Xplore* grows each year, the platform is also continuously upgraded to enable users to easily find and discover the solutions they need. Following are some recent and upcoming enhancements to the platform.

## Remote Access Options: Stay Connected to IEEE *Xplore* When Working Remotely

IEEE remote access solutions now include support for Google Scholar CASA and a new streamlined experience via an IEEE *Xplore* Personal Account.

For more information, visit

<https://innovate.ieee.org/tips-to-access>



## Follow the Work of Your Favorite Authors with Author Alerts

Users can follow up to 15 authors and be notified when new content published by those authors is added to IEEE *Xplore*. Follow an author by clicking a button on the author detail page or on the featured authors module of the home page.



## My Research Projects

Save key documents with the relaunch of My Research Projects, now with enhanced features. Users can create up to 15 projects to save as many as 1,000 documents per project. Users must sign in with their free IEEE personal account to access this feature.



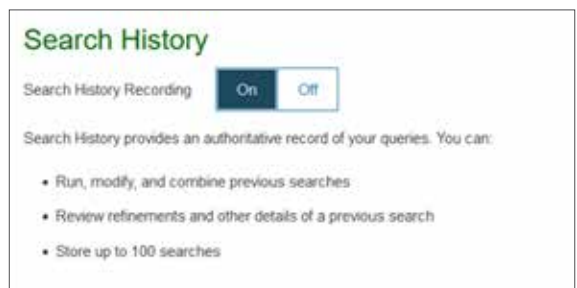
## My Favorite Journals & Magazines

This new module on the IEEE *Xplore* homepage provides direct links to bookmarked journal and magazine homepages, and the latest issues.



## Enhanced Search History

In addition to expanding the number of searches in the search history from 50 to 100, other functionality has been streamlined, such as easy export and print options.



## Discover Trending Content

Users can discover new and trending content easier by browsing the top search terms, matching documents, and popular content features linked from the home page. Users can also sort search results by “most popular” to see the most frequently accessed documents.



## New and Improved Title Lists and Usage Statistics for Libraries

IEEE now offers more than 175 KBART Phase II-compliant title lists, providing comprehensive lists for all IEEE subscription packages. IEEE institutional usage statistics reports have also been upgraded to the COUNTER 5 code of practice.

IEEE Xplore Publications	Format	Link
IEEE Xplore All Journals	Text	Excel
IEEE Xplore All Conference Series	Text	Excel
IEEE Xplore All Conference Proceedings	Text	Excel
IEEE Xplore All Standards	Text	Excel
IEEE Xplore All Books	Text	Excel
IEEE Xplore All Courses	Text	Excel

IEEE Journals & Conferences	Format	Link
IEEE Electronic Library (IEL) Journals	Text	Excel
IEEE Electronic Library (IEL) Conference Proceedings	Text	Excel

## Corporate Institutional Dashboards

Enables authenticated institutional subscribers to see more insights into the most popular articles and technologies viewed by their colleagues, as well as top authors and recently published research from their organization. This will be offered only to select customers who meet eligibility criteria.



## Future Enhancements

- Institutional Profiles (Beta) will provide a disambiguated view of all content published by an institution's authors in IEEE Xplore.
- Image Search feature will allow users to run searches to find images and figures within documents
- Data visualization added to document detail pages

# Your Source for New and Emerging Technologies

The technology landscape is constantly evolving and so are IEEE publications. Each year, IEEE continues to provide **the content needed to lead innovation into the future.**

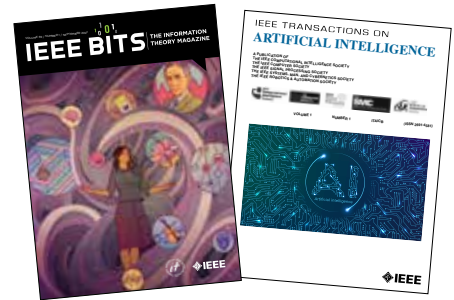
## New Subscription Titles for 2021 and 2022

*IEEE Transactions on Artificial Intelligence*

*IEEE BITS the Information Theory Magazine*

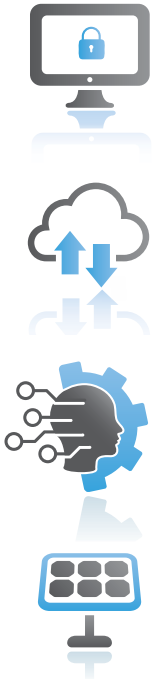
*IEEE Journal on Flexible Electronics*

*IEEE Transactions on Signal and Power Integrity*



Listing current as of 09/2021, subject to change.

## A Sample of Conferences Published in 2021 Covering Innovative Technologies



2021 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)

IEEE International Solid- State Circuits Conference (ISSCC)

2021 4th International Conference on Artificial Intelligence and Big Data (ICAIBD)

2021 32nd Annual SEMI Advanced Semiconductor Manufacturing Conference (ASMC)

2021 7th International Conference on Automation, Robotics and Applications (ICARA)

2021 IEEE 93rd Vehicular Technology Conference (VTC2021–Spring)

2021 IEEE 2nd International Conference on Big Data, Artificial Intelligence and Internet of Things Engineering (ICBAIE)

2021 IEEE International Conference on Blockchain and Cryptocurrency (ICBC)

2021 8th IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)

2021 Sixteenth International Conference on Ecological Vehicles and Renewable Energies (EVER)

2021 IEEE Power & Energy Society Innovative Smart Grid Technologies Conference (ISGT)

2021 5th International Conference on Internet of Things and Applications (IoT)

2021 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit)

2021 International Conference on Applied Artificial Intelligence (ICAPAI)

2021 12th International Renewable Engineering Conference (IREC)

\*Note: This list of new conferences is not all-inclusive or final; it is based on information available as of 09/2021 and is subject to change.

To browse all IEEE conferences, please visit [www.ieee.org/ieeexplore](http://www.ieee.org/ieeexplore)

# Discover Breakthrough Technology with IEEE *Xplore*

Discover why today's most innovative organizations rely on IEEE publications. According to a recent study, today's engineers and researchers deliver new, patented technologies at an ever-increasing pace, and IEEE is by far the most-cited publisher in new patents.

Learn more:

<https://innovate.ieee.org>

# IEEE Standards: Maximize Product Development

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## Keep Abreast of the Newest Technologies with IEEE Standards

IEEE standards drive the functionality, capabilities, and interoperability of a wide range of products, services, and technologies that transform the way people live, work, and communicate.

### New IEEE Standards Recently Added to IEEE *Xplore* Include:

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**802.15.4y-2021** IEEE Standard for Low-Rate Wireless Networks Amendment 3: Advanced Encryption Standard (AES)-256 Encryption and Security Extensions

**802E-2020** IEEE Recommended Practice for Privacy Considerations for IEEE 802(R) Technologies

**2030.11-2021** IEEE Guide for Distributed Energy Resources Management Systems Functional Specification

**P2418.7/D3.0, Mar 2021** IEEE Draft Standard for the Use of Blockchain in Supply Chain Finance

**P1686/D1.2, Apr 2021** IEEE Draft Standard for Intelligent Electronic Devices Cyber Security Capabilities

**1619.2-2021** IEEE Standard for Wide-Block Encryption for Shared Storage Media

**1901-2020** IEEE Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications

**1609.3-2020** IEEE Standard for Wireless Access in Vehicular Environments (WAVE)—Networking

### Examples of Popular Standards:

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**2017 National Electrical Safety Code® (NESC®)**

**IEEE Std 1584-2018** IEEE Guide for Performing Arc-Flash Hazard Calculations (Revision of IEEE Std 1584-2002)

**IEEE Std 1547-2018** IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces (Revision of IEEE Std 1547-2003)

**IEEE Std 802.3-2018** IEEE Standard for Ethernet (Revision of IEEE Std 802.3-2015)

**IEEE Std 1800-2017** IEEE Standard for SystemVerilog—Unified Hardware Design, Specification, and Verification Language (Revision of IEEE Std 1800-2012)

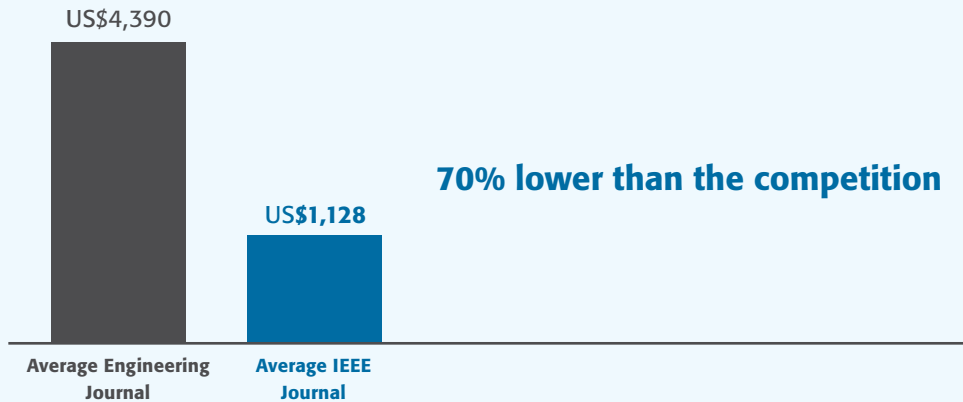
**IEEE Std 80-2013** IEEE Guide for Safety in AC Substation Grounding (Revision of IEEE Std 80-2000/ Incorporates IEEE Std 80-2013/Cor 1-2015)

**IEEE Std 802.11-2016** IEEE Standard for Information technology—Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks—Specific Requirements—Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications (Revision of IEEE Std 802.11-2012)

# IEL: The Best Value in Your Collection

## IEEE Journals Priced Below the Competition

According to *Library Journal* (April 2021), the average cost of an engineering journal is US\$4,390. But the average cost of an IEEE journal is just US\$1,128.



Year after year, studies prove that IEEE journals are priced well below comparable for-profit journals, and even below the average for comparable not-for-profit journals.

## Subscribe to IEL and Save Even More

The IEEE Electronic Library delivers access to technology's most trusted journals, conference proceedings, and standards—giving you the **research you need at an exceptional value.**

### Value of Individual Titles in IEL

IEEE Conference Proceedings and backfile	US\$715,000
IEEE Periodicals and backfile	US\$396,773
IEEE Standards Collection	US\$357,750
IET Conferences	US\$14,963
VDE Conferences Collection	US\$7,500
<i>Proceedings of the IEEE</i>	US\$1,540
<i>IEEE Spectrum</i>	US\$599
Total value of all IEL content if purchased separately	US\$1,494,125

**A typical IEL subscription is just a fraction of the total cost!**

Subscribing to all current IEL content separately could cost more than US\$1.4 million per site. Compare that with the standard IEL subscription (single-site price including A&I and backfile) at a fraction of the price\*—and the value of IEL is obvious.

**IEL costs less, includes more content, and provides research that puts you at the forefront of technology.**

\*Contact your IEEE Account Manager for pricing information specific to your organization.

# Improve ROI through Smarter Research

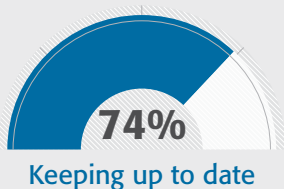
IEEE conducted a survey of 750 professionals across more than 10 technology industries. The results demonstrate that having access to a resource such as IEEE *Xplore* provides a wide range of advantages, including boosting productivity, accelerating research, and saving valuable time and money.

## Researchers, Scientists, and Engineers

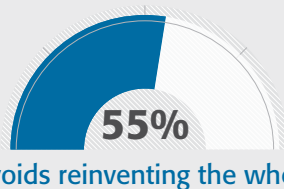
### Stay Up To Date and Accelerate Research

To avoid time-consuming setbacks in a project, engineers need to be well-versed in the latest industry advancements and take advantage of previous lessons learned. Researchers and engineering professionals reported that the up-to-date information in IEEE *Xplore* allows for smarter, more efficient research and projects.

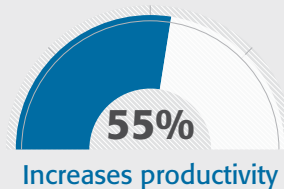
#### Top three benefits for researchers:



Keeping up to date



Avoids reinventing the wheel



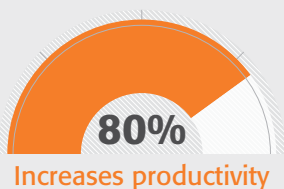
Increases productivity

## Directors and C-level Executives

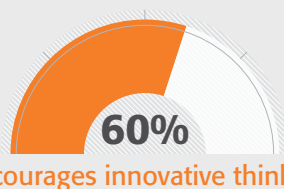
### Save Time While Increasing Productivity and Innovation

Directors and C-level executives were asked what key benefits IEEE *Xplore* brings to their organizations and employees. The results show that IEEE *Xplore* reduces project time and increases overall productivity and innovation, bringing cutting-edge products to market faster, thus increasing the total ROI.

#### Top three benefits for management:



Increases productivity



Encourages innovative thinking



Saves time and money

## Reduce the Cost of Research

Less time spent during the research phase of a project significantly improves ROI. Two-thirds of survey respondents say that IEEE *Xplore* greatly reduces research time, with many respondents indicating that it cuts their research or project time in half.



# Customer Success Stories

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Engineers face many challenges during the innovation process. IEEE recently interviewed IEEE *Xplore* users to understand their day-to-day obstacles and how access to IEEE *Xplore* helps to overcome them.

## Accelerating the Lengthy Research Process

Using IEEE *Xplore* during the research phase can greatly reduce project time, allowing engineers to be more productive and move projects forward at a faster pace.



"I wish I had it my entire career. It really has made finding the necessary references easier, and in some respects, actually fun."

—Systems Engineer  
*Leading Aerospace Company*

### Challenge

An aerospace systems engineer researching the laser absorption of a plastic at a particular wavelength was looking for an alternative to physical testing, which can often be very costly and can take days or even weeks to complete.

### Solution

With IEEE *Xplore*, this engineer was able to quickly find physical measurements pertinent to his study that were already recorded in published papers. This saved both time and money by eliminating the costs of physical tests.

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## Staying One Step Ahead with Ongoing Education

IEEE *Xplore* gives engineers access to cutting-edge research that spans all aspects of technology, providing a vast range of knowledge and insight into unfamiliar topics often critical for driving innovation.



"Not having IEEE *Xplore* would be a significant loss to me. It's very much a go-to information resource for me ... It's certainly one of the first places that I consult."

—Design Engineer  
*Leading Defense Company*

### Challenge

A design engineer for a leading defense company needed to troubleshoot a gallium nitride amplifier—a device with which he had little experience. To find the issue and solution, he first needed to learn more about the amplifier itself and how it worked.

### Solution

Leveraging the electronic design research in IEEE *Xplore*, he was able to gather information on the amplifier and its behaviors to understand what he was observing in the lab and accurately troubleshoot the build.

# IEEE Journals Included in IEL

Journal Titles	Online Price
<b>Aerospace</b>	
Aerospace and Electronic Systems Magazine, IEEE (M-AES) .....	\$640
Aerospace and Electronic Systems, IEEE Trans. on (T-AES) .....	\$3,335
Miniaturization for Air and Space Systems, IEEE Journal on (J-MASS) .....	\$355
<b>Antennas</b>	
Antennas and Propagation Magazine, IEEE (M-AP) .....	\$730
Antennas and Propagation, IEEE Trans. on (T-AP) .....	\$2,655
Antennas and Wireless Propagation Letters, IEEE (L-AWP) .....	\$1050
<b>Biomedical</b>	
Biomedical and Health Informatics, IEEE Journal of (J-BHI) .....	\$810
Biomedical Circuits and Systems, IEEE Trans. on (T-BCAS) .....	\$680
Biomedical Engineering, IEEE Reviews in (R-BME) .....	\$305
Biomedical Engineering, IEEE Trans. on (T-BME) .....	\$2,940
Computational Biology and Bioinformatics, IEEE/ACM Trans. on (T-CBB) .....	\$603
Electromagnetics, RF and Microwaves in Medicine and Biology, IEEE Journal of (J-ERM) .....	\$595
Medical Imaging, IEEE Trans. on (T-MI) .....	\$3,525
Medical Robotics and Bionics, IEEE Trans. on (T-MRB) .....	\$455
NanoBioscience, IEEE Trans. on (T-NB) .....	\$785
Neural Networks and Learning Systems, IEEE Trans. on (T-NNLS) .....	\$5,115
IEEE Pulse (M-PULSE) .....	\$725
Radiation and Plasma Medical Science, IEEE Trans. on (T-RPMS) .....	\$2,520
<b>Broadcasting and Digital Media</b>	
Broadcasting, IEEE Trans. on (T-BC) .....	\$210
<b>Circuit Theory, Analysis, and Design</b>	
Circuits and Systems for Video Technology, IEEE Trans. on (T-CSVT) .....	\$1,555
Circuits and Systems Part I: Regular Papers, IEEE Trans. on (T-CAS1) .....	\$1,690
Circuits and Systems Part II: Express Briefs, IEEE Trans. on (T-CAS2) .....	\$1,400
Molecular, Biological, and Multi-Scale Communications, IEEE Trans. on (T-MBMS) .....	\$495
<b>Circuits and Devices</b>	
Circuits and Systems Magazine, IEEE (M-CAS) .....	\$676
Emerging and Selected Topics in Circuits and Systems, IEEE Journal on (JETCAS) .....	\$1,055
Flexible Electronics, IEEE Journal on (J-FLEX) <b>NEW!</b> .....	\$525
Radio Frequency Identification, IEEE Journal of (J-RFID) .....	\$570
RFIC Virtual Journal, IEEE (RFIC-VJ) .....	\$360
<b>Communication and Information</b>	
Cognitive Communications and Networking, IEEE Trans. on (T-CCN) .....	\$815
Communications Letters, IEEE (L-COMM) .....	\$850
Communications Magazine, IEEE (M-COMM) .....	\$995
Communications, IEEE Trans. on (T-COMM) .....	\$2,395
Communications Standards Magazine, IEEE (M-COMSTD) .....	\$440
Communications Surveys & Tutorials, IEEE (COMST) .....	\$805
Pervasive Computing Magazine, IEEE (M-PVC) .....	\$881
Selected Areas in Communications, IEEE Journal on (J-SAC) .....	\$2,310
<b>Communications Networks/Systems</b>	
Green Communications and Networking, IEEE Trans. on (T-GCN) .....	\$635
Network and Service Management, IEEE Trans. on (T-NSM) .....	\$410
Network Science and Engineering, IEEE Trans. on (T-NSE) .....	\$615
Network, IEEE (M-NET) .....	\$725
Networking, IEEE/ACM Trans. on (T-NET) .....	\$1,185
IEEE Networking Letters (L-NET) .....	\$575
<b>Computational Intelligence</b>	
Affective Computing, IEEE Trans. on (T-AFFC) .....	\$721
Cognitive and Developmental Systems, IEEE Trans. on (T-CDS) .....	\$1,310
Computational Intelligence Magazine, IEEE (M-CI) .....	\$75
Emerging Topics in Computational Intelligence, IEEE Trans. On (T-ETCI) .....	\$1,090
Evolutionary Computation, IEEE Trans. on (T-EVC) .....	\$1,610
Fuzzy Systems, IEEE Trans. on (T-FUZZ) .....	\$3,510
Games, IEEE Trans. on (T-G) .....	\$1,005
Intelligent Systems Magazine, IEEE (M-IS) .....	\$1,205
Knowledge and Data Engineering, IEEE Trans. on (T-KDE) .....	\$2,400

Journal Titles	Online Price
Pattern Analysis and Machine Intelligence, IEEE Trans. on (T-PAMI) .....	\$3,431
Services Computing, IEEE Trans. on (T-SC) .....	\$505
<b>Computer Graphics</b>	
Computer Graphics and Applications Magazine, IEEE (M-CG&A) .....	\$1,308
Visualization and Computer Graphics, IEEE Trans. on (T-VCG) .....	\$1,695
<b>Computer Science &amp; Engineering</b>	
Annals of the History of Computing, IEEE (M-AHC) .....	\$685
Artificial Intelligence, IEEE Trans. on (T-AI) .....	\$1,545
Big Data, IEEE Trans. on (T-BD) .....	\$788
Computer Architecture Letters, IEEE (L-CA) .....	\$170
Computer Magazine (M-C) .....	\$2,642
Computers, IEEE Trans. on (T-C) .....	\$2,998
Computing in Science and Engineering Magazine (CISE) .....	\$840
Design and Test Magazine, IEEE (M-D&T) .....	\$935
Embedded Systems Letters, IEEE (L-ES) .....	\$590
Emerging Topics in Computing, IEEE Trans. on (T-ETC) .....	\$737
Internet Computing Magazine, IEEE (M-IC) .....	\$1,272
Internet of Things Journal, IEEE (J-IOT) .....	\$525
IEEE Internet of Things Magazine (M-IOT) .....	\$570
Micro Magazine, IEEE (M-MICRO) .....	\$1,133
Mobile Computing, IEEE Trans. on (T-MC) .....	\$1,324
MultiMedia Magazine, IEEE (M-MULTI) .....	\$994
Multiscale and Multiphysics Computational Techniques, IEEE Journal on (J-MMCT) .....	\$620
Sustainable Computing, IEEE Trans. on (T-SUSC) .....	\$865
Technology and Society Magazine, IEEE (M-T&S) .....	\$440
Technology and Society, IEEE Trans. on (T-TS) .....	\$370
<b>Consumer Electronics</b>	
Consumer Electronics Magazine, IEEE (M-CE) .....	\$335
Consumer Electronics, IEEE Trans. on (T-CE) .....	\$450
<b>Control and Automation</b>	
Automatic Control, IEEE Trans. on (T-AC) .....	\$3,280
Automatica Sinica, IEEE/CAA Journal of (J-AS) .....	\$515
Control of Network Systems, IEEE Trans. on (T-CNS) .....	\$515
Control Systems Letters, IEEE (L-CSS) .....	\$730
Control Systems Magazine, IEEE (M-CS) .....	\$640
Control Systems Technology, IEEE Trans. on (T-CST) .....	\$885
Mechatronics, IEEE/ASME Trans. on (T-MECH) .....	\$1,170
Microelectromechanical Systems, Journal of (J-MEMS) .....	\$1,150
<b>Distributed Computing/Real-Time Systems</b>	
Parallel and Distributed Systems, IEEE Trans. on (T-PDS) .....	\$2,199
Very Large Scale Integration Systems, IEEE Trans. on (T-VLSI) .....	\$2,040
<b>Education</b>	
Education, IEEE Trans. on (T-E) .....	\$245
Learning Technologies, IEEE Trans. on (T-LT) .....	\$245
IEEE Revista Iberoamericana de Tecnologías del Aprendizaje (IEEE-RITA) .....	\$170
<b>Electromagnetic Compatibility</b>	
Electromagnetic Compatibility Magazine, IEEE (M-EMC) .....	\$595
Electromagnetic Compatibility, IEEE Trans. on (T-EMC) .....	\$585
Electromagnetic Compatibility Practice and Applications, IEEE Journal on (J-EMCPA) .....	\$360
Ultrasonics, Ferroelectrics and Frequency Control, IEEE Trans. on (T-UFFC) .....	\$1,485
<b>Electron Devices</b>	
Device and Materials Reliability, IEEE Trans. on (T-DMR) .....	\$940
Electron Device Letters, IEEE (L-ED) .....	\$2,195
Electron Devices, IEEE Trans. on (T-ED) .....	\$3,320
<b>Engineering Management</b>	
IEEE Engineering Management Review, IEEE (R-EM) .....	\$360
Engineering Management, IEEE Trans. on (T-EM) .....	\$720
<b>Geoscience, Ocean Technology, and Remote Sensing</b>	
Geoscience and Remote Sensing Letters, IEEE (L-GRS) .....	\$555
Geoscience and Remote Sensing Magazine, IEEE (M-GRS) .....	\$470
Geoscience and Remote Sensing, IEEE Trans. on (T-GRS) .....	\$2,040
Oceanic Engineering, IEEE Journal of (J-OE) .....	\$460

## Journal Titles Online Price

### Industry

Emerging and Selected Topics in Industrial Electronics, IEEE Journal of (J-ESTIE) .....	\$200
Industrial Electronics Magazine, IEEE (M-IE) .....	\$320
Industrial Electronics, IEEE Trans. on (T-IE) .....	\$2,205
Industrial Informatics, IEEE Trans. on (T-IINF) .....	\$1,005
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Sensors Journal, IEEE (J-SEN) .....	\$2,055
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Proceedings of the IEEE .....	\$1,340
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Microwave and Wireless Components Letters, IEEE (L-MWC) .....	\$1,235
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Microwave Theory and Techniques, IEEE Trans. on (T-MTT) .....	\$3,080
Terahertz Science and Technology, IEEE Trans. on (T-THZ) .....	\$915

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Optical Communications and Networking, Journal of (J-OCN) .....	\$2,500
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## The 25 Most Active Conferences



IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
Signal Processing and Communications Applications Conference (SIU)
International Conference on Robotics and Automation (ICRA)
IEEE International Solid-State Circuits Conference (ISSCC)
IEEE Global Communications Conference (GLOBECOM)
IEEE International Geoscience and Remote Sensing Symposium (IGARSS)
Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)
IEEE International Conference on Communications (ICC)
IEEE Energy Conversion Congress and Exposition (ECCE)
IEEE International Conference on Image Processing (ICIP)
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
Hawaii International Conference on System Sciences (HICSS)
IEEE International Electron Devices Meeting (IEDM)
IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting
International Joint Conference on Neural Networks (IJCNN)
International Conference on Electrical Machines and Systems (ICEMS)
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
Annual Conference of the IEEE Industrial Electronics Society (IECON)
IEEE International Symposium on Circuits and Systems (ISCAS)
IEEE Conference on Computer Communications (INFOCOM)
IEEE/CVF International Conference on Computer Vision (ICCV)
European Conference on Antennas and Propagation (EuCAP)
IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting
IEEE Applied Power Electronics Conference and Exposition (APEC)

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### Aerospace

Aerospace Conf, IEEE

Avionics and Vehicle Fiber-Optics and Photonics Conf (AVFOP), IEEE  
Autotestcon, IEEE

### Biomedical

Engineering in Medicine & Biology Society Annual Conf (EMBS), IEEE  
Sensors and The Int'l Conf on New Techniques in Pharmaceutical and  
Biomedical Research, Asian Conf on  
Biomedical Imaging (ISBI), Int'l Symp on  
Neural Engineering (NER), Int'l IEEE/EMBS Conf on

### Circuits and Devices

Advanced Thermal Processing of Semiconductors (RTP), Int'l Conf on  
Circuits and Systems (ISCAS), IEEE Int'l Symp on  
Radio Frequency Integrated Circuits Symp (RFIC), IEEE  
Signals, Circuits and Systems (ISSCS), Int'l Symp on  
Solid-State Circuits Conf (ISSCC), IEEE Int'l

### Communication & Networks/Systems

Communications (ICC), IEEE Int'l Conf on  
Communications and Information Technologies (ISCIT), Int'l Symp on  
Next Generation Internet Networks (NGI), Conf on  
Pervasive Services, ACS/IEEE Int'l Conf on  
RadarCon, IEEE  
Ultra-Wideband (ICU), IEEE Int'l Conf on  
Global Communications Conference (GLOBECOM), IEEE

### Computing

Computer and Information Technology, Int'l Conf on  
Computer Vision & Pattern Recognition (CVPR), IEEE Conf on  
Electrical & Computer Engineering (CCECE), Canadian Conf on  
Machine Learning and Applications (ICMLA), Int'l Conf on  
Parallel and Distributed Systems (ICPADS), Int'l Conf on  
Services Computing (SCC), IEEE Int'l Conf on  
Systems, Man & Cybernetics, IEEE Int'l Conf on

### Control and Automation

Advanced Intelligent Mechatronics, IEEE/ASME Int'l Conf on  
American Control Conf (ACC)  
Control and Automation (ICCA), Int'l Conf on  
Intelligent Robots & Systems (IROS), IEEE/RJS Int'l Conf on  
Robotics & Automation (ICRA), IEEE Int'l Conf on

### Earth Science

Geoscience & Remote Sensing Symp (IGARSS), IEEE Int'l  
Remote Sensing of Atmospheric Aerosols, IEEE Wksp on

### Electron Devices

Applications of Ferroelectrics (ISAF), IEEE Int'l Symp on  
Design Automation Conf (DAC), ACM/IEEE  
Electromagnetic Compatibility (EMC), IEEE Int'l Symp on  
Electron Devices and Solid-State Circuits (EDSSC), IEEE Conf on  
Industrial Electronics (ISIE), IEEE Int'l Symp on

### Instrumentation, Measurement, and Testing

Haptic Audio Visual Environments and their Applications (HAVE),  
IEEE Int'l Wksp on  
Imaging Systems and Techniques (IST), IEEE Int'l Wksp on  
Instrumentation & Measurement Technology Conf (IMTC), IEEE  
Sensors Conf, IEEE

### Lasers & Optics

Advanced Optoelectronics and Lasers (CAOL), Int'l Conf on  
Industrial Informatics (INDIN), IEEE Int'l Conf on  
Lasers & Electro-Optics (CLEO), Conf on  
Optical Fiber Communication Conf (OFC)  
Quantum Electronics Conf (IQEC), Int'l

### Microwave

Microwave and Optoelectronics Conf, SBMO/IEEE Int'l  
Microwave Photonics (MWP), Int'l Topical Meeting on  
Microwave Symp, IEEE/MTT-S Int'l  
Wireless and Microwave Technology Conf, IEEE Annual

### Power and Energy

Applied Power Electronics Conf & Exhibition (APEC), IEEE  
Nuclear Science Symp Conf (NSS/MIC)  
Photovoltaic Specialists Conf, IEEE  
Power Electronics and Drive Systems (PEDS), Int'l Conf on  
Power Electronics Specialists Conf (PESC), IEEE

### Signal Processing

Acoustics, Speech & Signal Processing (ICASSP), IEEE Int'l Conf on  
Antenna Theory and Techniques (ICATT), Int'l Conf on  
Image Processing (ICIP), IEEE Int'l Conf on  
Signal Processing and Information Technology (ISSPIT), IEEE Int'l  
Symp on

### Software Engineering

Software Engineering (ICSE), IEEE Int'l Conf on  
Software Engineering Wksp (SEW), NASA/IEEE  
Software Engineering, AI, Networking & Parallel Distributed Computing  
(SNPD/SAWN), Int'l Conf on  
Software Evolvability, IEEE Int'l Wksp on

### Vehicular/Ground Transportation

Intelligent Transportation Systems Conf (ITSC), IEEE  
Vehicle Power and Propulsion Conf (VPPC), IEEE  
Vehicular Electronics and Safety (ICVES), IEEE Int'l Conf on

### Wireless Communication

Personal Wireless Communications (ICPWC), IEEE Int'l Conf on  
Signal Processing Advances in Wireless Communications (SPAWC),  
IEEE Wksp on  
Wireless and Mobile Computing, Networking and Communications  
(WiMob), Int'l Conf on  
Wireless Communications & Networking Conf (WCNC), IEEE  
Wireless Telecommunications Symp (WTS)

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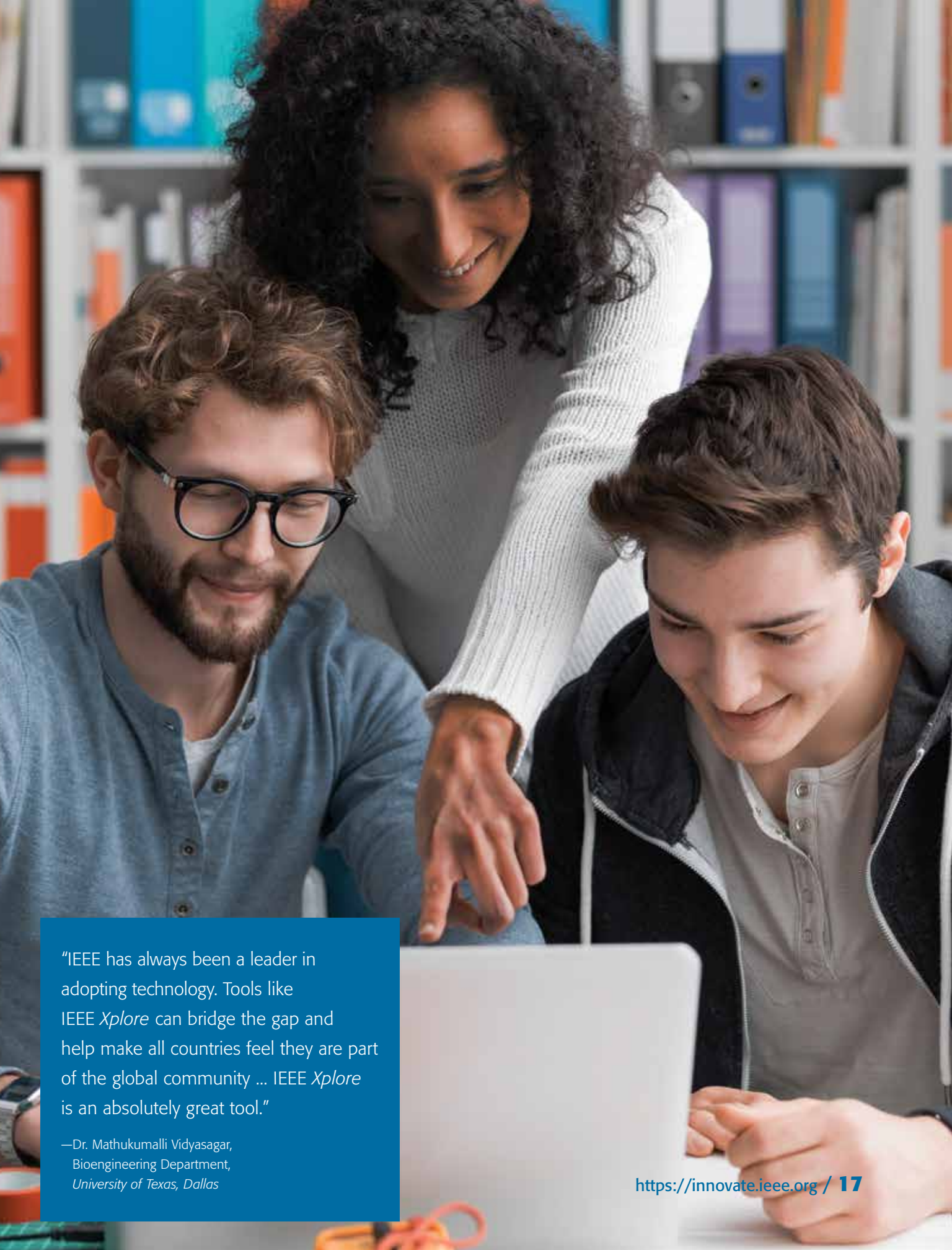
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