

2025



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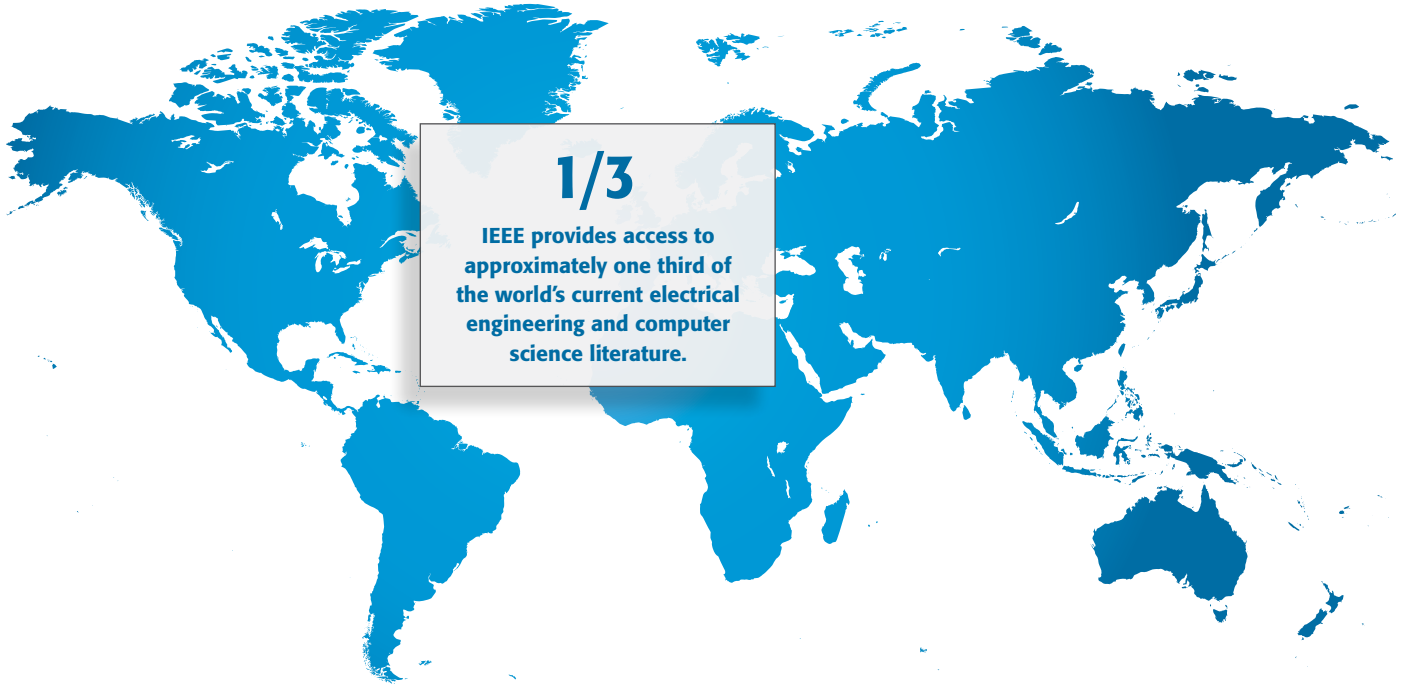
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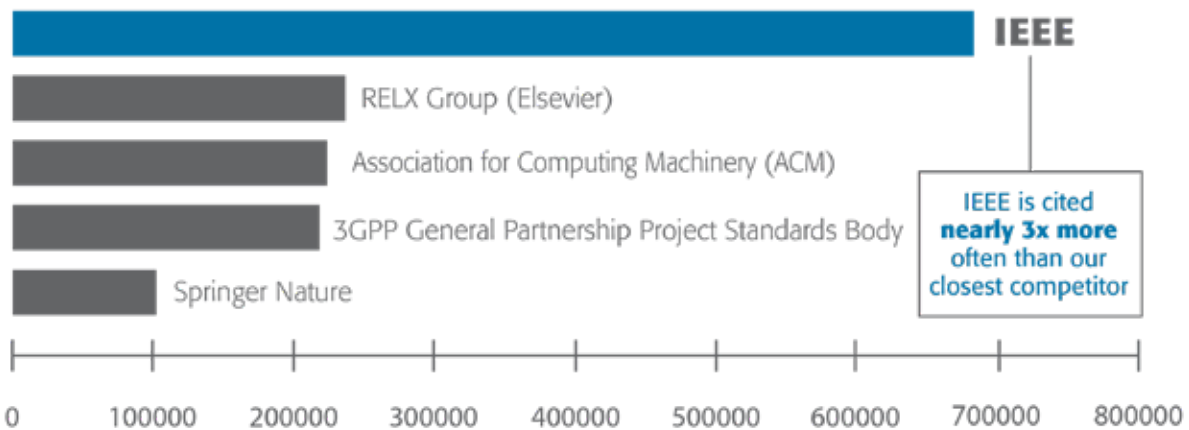
Most Trusted Information in Technology



Top Patenting Organizations Rely on IEEE Research

IEEE journals and conference proceedings received over 680,000 patent citations—**nearly three times more than any other publisher.** In fact, references to IEEE papers have increased 864% since 1997, according to recent studies by 1790 Analytics LLC.

Patent References to the Top 5 Publishers



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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

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:

21 of the top 25 journals in Electrical and Electronic Engineering

13 of the top 15 journals in Telecommunications

4 of the top 5 journals in Automation & Control Systems

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

The top 3 journals in Computer Science, Cybernetics

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

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.

Additionally, in the most recent CiteScore™ report by Scopus, multiple IEEE publications were consistently listed among the most-cited journals in multiple categories, including 10 of the top 20 journals in Electrical Engineering. IEEE journals also ranked No. 1 in categories such as Electrical Engineering, General Computer Science, and more.

Sources: 2023 Journal Citation Reports (Clarivate Analytics, 2024); CiteScore 2023 (Scopus, 2024)

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9 of the Top 10
IT Software and
Services Companies

8 of the Top 10
Technology Hardware
& Equipment

Sources: *Times Higher Education*, World University Rankings 2024, Subject Ranking: Electrical & Electronic Engineering
U.S. News & World Report, Top Engineering Graduate Schools of 2024
2024 Forbes Global 2000
Information current as of 11/2024.

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.

Image Search

For IEL subscribers only, this new feature produces relevant search results of images, graphics, charts, schematics, flowcharts, and more from journal articles and conference papers, helping users to better understand important research details through visuals.



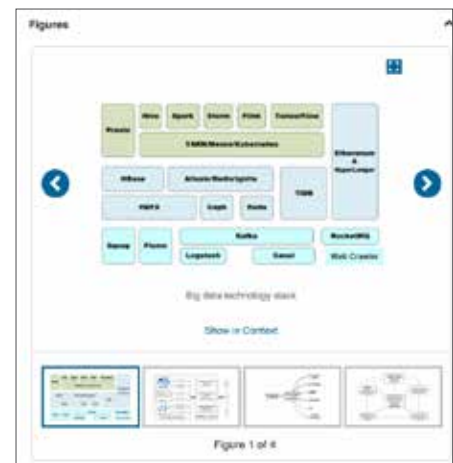
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IEEE Reliability Magazine

IEEE Robotics and Automation Practice

IEEE Transactions on Circuits and Systems for Artificial Intelligence

IEEE Transactions on Field Robotics

IEEE Transactions on Materials for Electron Devices



Listing current as of 11/2024, subject to change.

A Sample of Conferences Published in 2024 Covering Innovative Technologies



- 2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)
- 2024 IEEE/SEMI Conference on Advanced Semiconductor Manufacturing
- 2024 IEEE International Conference on AI in Cybersecurity
- 2024 IEEE International Conference on Applied Artificial Intelligence (ICAPAI)
- 2024 IEEE Symposium on Applied Machine Intelligence and Informatics (SAMII)
- 2024 IEEE International Conference on Big Data and Smart Computing (BIGCOMP)
- 2024 IEEE Consumer Communications and Networking Conference (CCNC)
- 2024 International Conference on Developments in Renewable Energy Technology (ICDRET)
- 2024 International Conference on Energy Conservation and Efficiency (ICECE)
- 2024 IEEE Green Technologies Conference (GreenTech)
- 2024 Optical Fiber Communications Conference (OFC)
- 2024 International Conference on Networking and Communications (ICNWC)
- 2024 International Conference on Smart Grid and Renewable Energy (SGRE)
- 2024 International Conference on Mechatronics and Robotics Engineering (ICMRE)
- 2024 IEEE Symposium on Semiconductor Thermal Measurement (SEMI-THERM)
- 2024 IEEE International Solid-State Circuits Conference (ISSCC)
- 2024 IEEE International Conference on Unmanned Vehicle Systems (UVS)
- 2024 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)
- 2024 IEEE Innovative Smart Grid Technologies Conference (ISGT)
- 2024 IEEE Conference on AI and Machine Learning Applications: Healthcare and IoT

*Note: This list of new conferences is not all-inclusive or final; it is based on information available as of 09/2024 and is subject to change.

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IEEE Std 3168-2024—IEEE Standard for Robustness Evaluation Test Methods for a Natural Language Processing Service That Uses Machine Learning

IEEE Std 1680.2-2024—IEEE Standard for Environmental Assessment of Imaging Equipment

IEEE P3130/D8, Jun 2024—IEEE Draft Standard for Security Requirements and Testing Methods of Operating Systems in Connected Vehicles

IEEE C37.252-2024—IEEE Guide for Testing Automatic Voltage Control Systems in Regional Power Grids

IEEE P3400/D4, Jul 2024—IEEE Draft Standard for Use of Inclusive Language in Technical Terminology and Communications

IEEE P1937.7/D3.3, Aug 2024—IEEE Draft Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications

IEEE P2686/D9.4, Aug 2024—IEEE Draft Recommended Practice for Battery Management Systems in Energy Storage Applications

IEEE Std 7009-2024—IEEE Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

IEEE Std 7014-2024—IEEE Standard for Ethical Considerations in Emulated Empathy in Autonomous and Intelligent Systems

IEEE P1857.11/D3, Jun 2024—IEEE Draft Standard for Neural Network-Based Image Coding

IEEE P3345/D7.1, Jun 2024—IEEE Draft Guide for Terminology and Classification of Electric Vehicle Charging Robots

IEEE Std 933-2023—IEEE Guide for the Definition of Reliability Program Plans for Nuclear Generating Stations and Other Nuclear Facilities

IEEE PC57.12.35/D5.4, Mar 2024—IEEE Draft Standard for Information Coding for Distribution Transformers and Step-Voltage Regulators

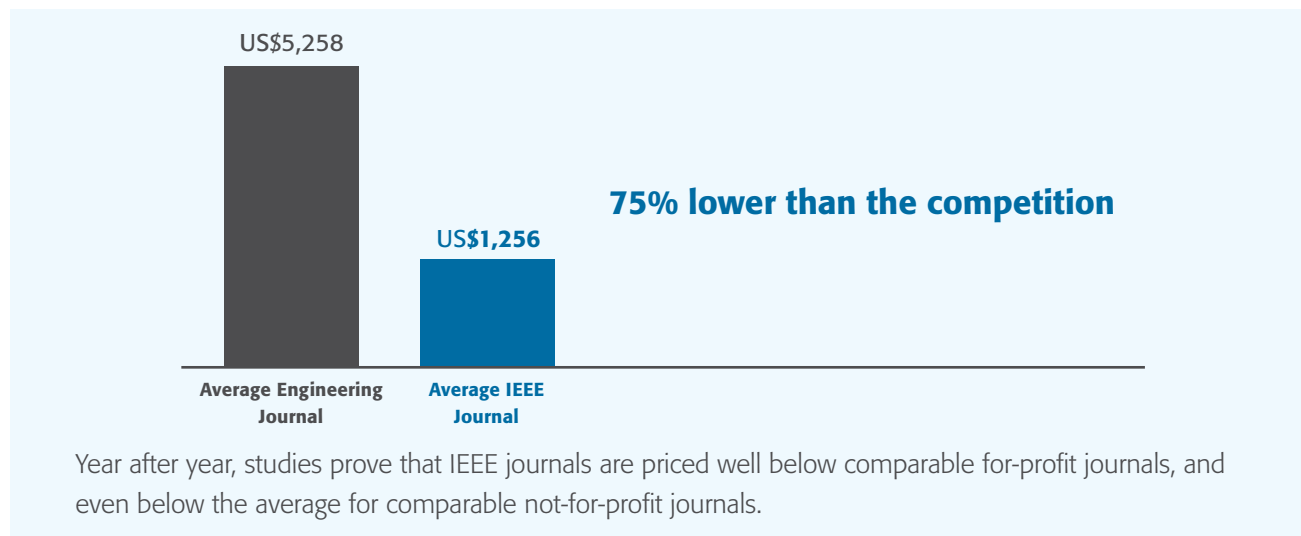
IEEE Std 7014-2024—IEEE Standard for Ethical Considerations in Emulated Empathy in Autonomous and Intelligent Systems

*Information current as of 09/2024

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<i>Proceedings of the IEEE</i>	US\$1,565
<i>IEEE Spectrum</i>	US\$599
Total value of all IEL content if purchased separately	US\$1,794,532

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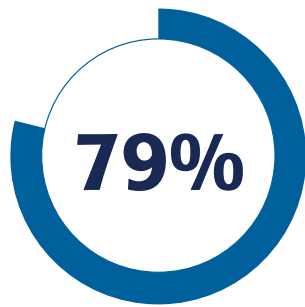
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Improve ROI through Smarter Research

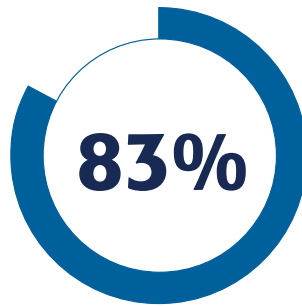
IEEE conducted surveys with more than 400 professionals across various technology industries. Based on those survey responses, organizations receive measurable returns on their investment when their researchers use the IEEE *Xplore* Digital Library.

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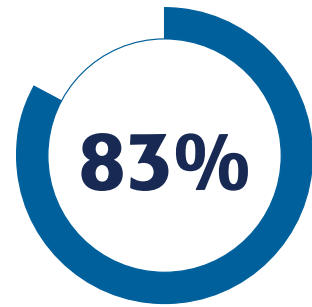
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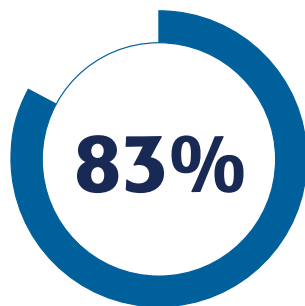
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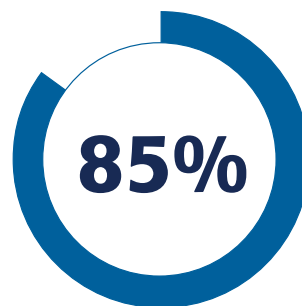
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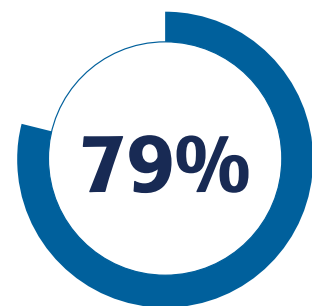
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Helps explore new opportunities to innovate



Makes it easier to find trusted information



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Supports More **Efficient Problem Solving**



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Antennas and Propagation, IEEE Trans. on (T-AP)	\$3,120
Antennas and Wireless Propagation Letters, IEEE (L-AWP)	\$1,225
Biomedical	
Biomedical and Health Informatics, IEEE Journal of (J-BHI)	\$910
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Biomedical Engineering, IEEE Trans. on (T-BME)	\$3,415
Computational Biology and Bioinformatics, IEEE Trans. on (T-CBBIO)	\$675
Electromagnetics, RF and Microwaves in Medicine and Biology, IEEE Journal of (J-ERM)	\$655
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Medical Robotics and Bionics, IEEE Trans. on (T-MRB)	\$500
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Neural Networks and Learning Systems, IEEE Trans. on (T-NNLS)	\$5,975
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Broadcasting and Digital Media	
Broadcasting, IEEE Trans. on (T-BC)	\$235
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Circuits and Systems for Artificial Intelligence, IEEE Trans. on (T-CASAI) NEW! (late 2024)	\$1,100
Circuits and Systems for Video Technology, IEEE Trans. on (T-CSVT)	\$1,770
Circuits and Systems Part I: Regular Papers, IEEE Trans. on (T-CAS1)	\$1,970
Circuits and Systems Part II: Express Briefs, IEEE Trans. on (T-CAS2)	\$1,620
Industrial Cyber-Physical Systems, IEEE Trans. on (T-ICPS)	\$1,340
Molecular, Biological, and Multi-Scale Communications, IEEE Trans. on (T-MBMS)	\$550
Circuits and Devices	
AgriFood Electronics, IEEE Trans. on (T-AFE)	\$1,295
Circuits and Systems Magazine, IEEE (M-CAS)	\$750
Emerging and Selected Topics in Circuits and Systems, IEEE Journal on (JTCAS)	\$1,170
Flexible Electronics, IEEE Journal on (J-FLEX)	\$560
Radio Frequency Identification, IEEE Journal of (J-RFID)	\$625
Communication and Information	
Cognitive Communications and Networking, IEEE Trans. on (T-CCN)	\$920
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Communications Magazine, IEEE (M-COMM)	\$1,170
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Networking, IEEE Trans. on (T-ON)	\$1,325
IEEE Networking Letters (L-NET)	\$630
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Affective Computing, IEEE Trans. on (T-AFFC)	\$810
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Control Systems Letters, IEEE (L-CSS)	\$800
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Industry	
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Industrial Electronics Magazine, IEEE (M-IE)	\$365
Industrial Electronics, IEEE Trans. on (T-IE)	\$2,590
Industrial Informatics, IEEE Trans. on (T-INF)	\$1,180
Industry Applications Magazine, IEEE (M-IA)	\$430
Industry Applications, IEEE Trans. on (T-IA)	\$2,005
Information Theory	
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Selected Areas in Information Theory, IEEE Journal on (J-SAIT)	\$730
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Instrumentation and Measurement Magazine, IEEE (M-IM)	\$265
Instrumentation and Measurement, IEEE Trans. on (T-IM)	\$2,190
Sensors Journal, IEEE (J-SEN)	\$2,260
Sensors Letters, IEEE (L-SEN)	\$580
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Latin America Transactions, IEEE	NA*
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Proceedings of the IEEE	\$1,565
Spectrum, IEEE	\$599
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Semiconductor Manufacturing, IEEE Trans. on (T-SCM)	\$815
Microwave	
Microwave and Wireless Technology Letters, IEEE (L-MWT)	\$1,420
Microwave Magazine, IEEE (M-MW)	\$444
Microwave Theory and Techniques, IEEE Trans. on (T-MTT)	\$3,668
Terahertz Science and Technology, IEEE Trans. on (T-THZ)	\$1,040
Nuclear and Plasma Science	
Nuclear Science, IEEE Trans. on (T-NS)	\$2,860
Plasma Science, IEEE Trans. on (T-PS)	\$1,680
Optics and Optoelectronics	
Lightwave Technology, Journal of (J-LT)	\$2,935
Optical Communications and Networking, Journal of (J-OCN)	\$2,730
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Selected Topics in Quantum Electronics, IEEE Journal of (J-STQE)	\$2,135
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Energy Markets, Policy and Regulation, IEEE Trans. on (T-EMPR)	\$460
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IT Professional Magazine (M-ITPRO)	\$1030
Professional Communication, IEEE Trans. on (T-PC)	\$400
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IEEE Reliability Magazine (M-RL)	\$785
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Robotics and Automation	
Automation Science and Engineering, IEEE Trans. on (T-ASE)	\$885
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Haptics, IEEE Trans. on (T-H)	\$810
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IEEE Robotics and Automation Letters (L-RA)	\$930
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Security and Privacy	
Biometrics, Behavior, and Identity Science, IEEE Trans. on (T-BIOM)	\$695
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Information Forensics and Security, IEEE Trans. on (T-IFS)	\$1,985
Security & Privacy Magazine, IEEE (M-S&P)	\$1,040
Signal Processing	
Audio, Speech and Language Processing, IEEE Trans. on (T-ASLPRO)	\$2,200
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Systems Journal, IEEE (J-SYS)	\$695
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Systems, Man, and Cybernetics: Systems, IEEE Trans. on (T-SMC)	\$630
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Intelligent Transportation Systems Magazine, IEEE (M-ITS)	\$540
Intelligent Transportation Systems, IEEE Trans. on (T-ITS)	\$1,040
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Wireless Communications Letters, IEEE (L-WC)	\$725
Wireless Communications Magazine, IEEE (M-WC)	\$925
Wireless Communications, IEEE Trans. on (T-WC)	\$2,710

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A Sampling of Some of the Most Popular Conferences



- American Control Conference (ACC)
- Annual Conference of the IEEE Industrial Electronics Society (IECON)
- Annual IEEE Conference on Applied Power Electronics Conference and Exposition (APEC)
- Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)
- Chinese Control Conference (CCC)
- Conference on Computer Vision and Pattern Recognition (CVPR)
- IEEE Conference on Decision and Control
- IEEE Conference on Global Communications (GLOBECOM)
- IEEE Conference on Vehicular Technology (VTC)
- IEEE Energy Conversion Congress and Exposition (ECCE)
- IEEE INFOCOM—IEEE Conference on Computer Communications
- IEEE International Conference on Communications (ICC)
- IEEE International Conference on Image Processing (ICIP)
- IEEE International Conference on Robotics and Automation (ICRA)
- IEEE International Electron Devices Meeting (IEDM)
- IEEE International Symposium on Antennas and Propagation
- IEEE International Symposium on Circuits and Systems (ISCAS)
- IEEE International Symposium on Geoscience and Remote Sensing (IGARSS)
- IEEE Symposium on Security and Privacy (SP)
- IEEE/MTT-S International Microwave Symposium (IMS)
- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
- International Conference on Acoustics, Speech, and Signal Processing (ICASSP)
- International Conference on Computer Vision (ICCV)
- International Conference on Intelligent Transportation (ITSC)
- International Joint Conference on Neural Networks (IJCNN)

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A Sampling of Conference Titles in Key Technologies

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
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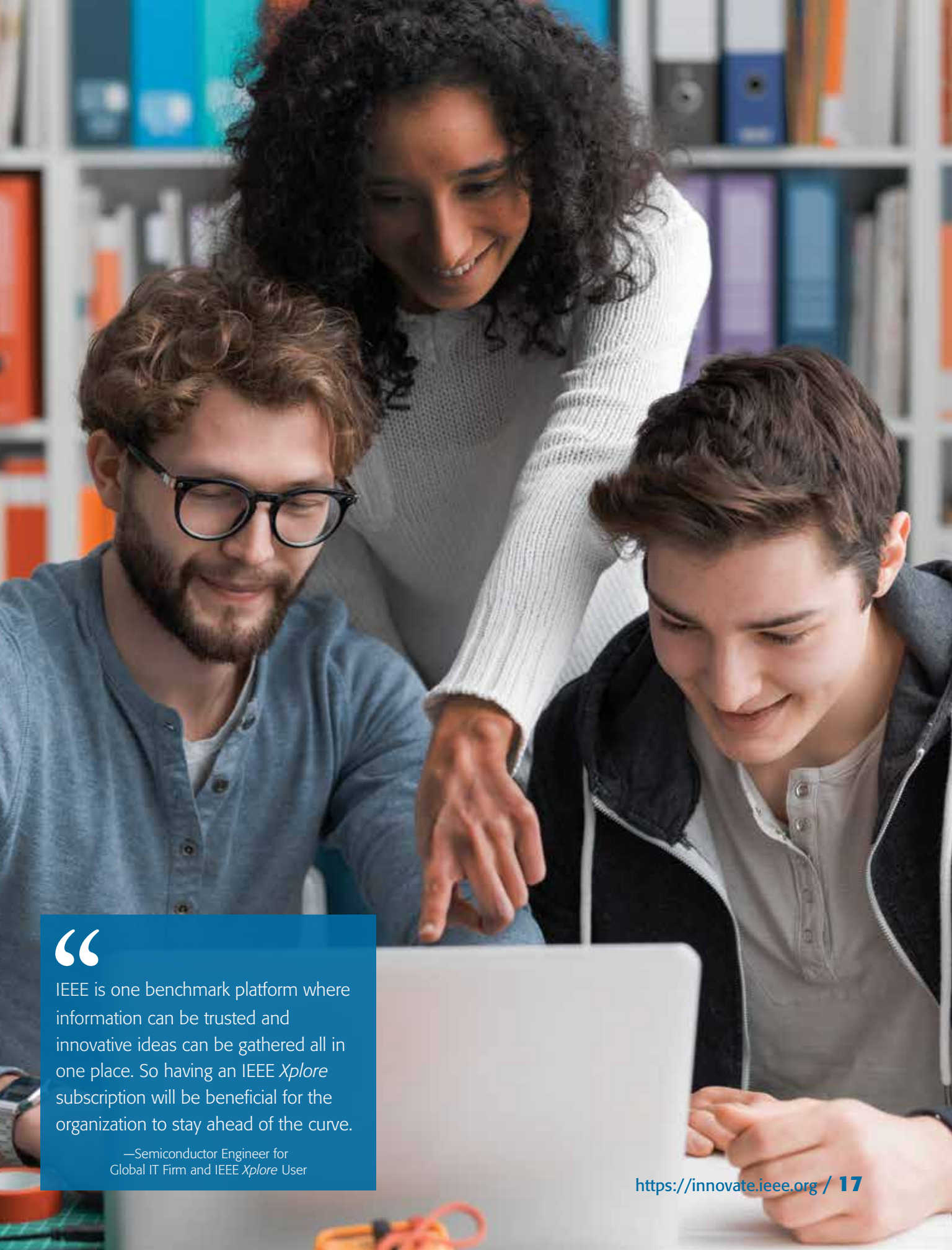
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