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Source: 2019 Forbes Global 2000 rankings

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—Dr. John Ritsko, Editor-in-Chief Emeritus,
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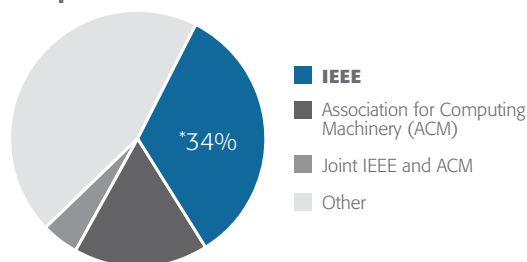
IEEE Information Drives Computer Hardware Patents

Today's computer hardware corporations deliver new patented technologies at an ever-increasing pace, based on research that is at the forefront of the industry. 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.**

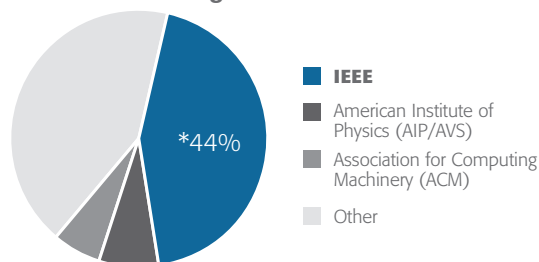
IEEE: the Top-Cited Publisher in Computing

IEEE is the top scientific and technical source with patent citations in:

Computer Hardware



Information Storage



*Percentage of patent citations 1999–2018

Source: 1790 Analytics LLC, copyright 2019

Essential IEEE Content in Computer Hardware Technology

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

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Journals

- IEEE Transactions on Neural Networks & Learning Systems*—#1 in Computer Science, Hardware & Architecture
- IEEE Wireless Communications Magazine*—#2 in Computer Science, Hardware & Architecture
- IEEE Network*—#3 in Computer Science, Hardware & Architecture
- IEEE Transactions on Dependable and Secure Computing*
- IEEE Computer Architecture Letters*
- IEEE Computer Graphics and Applications Magazine*
- Computer Magazine*
- IEEE Transactions on Computers*
- IEEE Transactions on Games*
- IEEE Design and Test Magazine*
- IEEE Intelligent Systems Magazine*
- IEEE Transactions on Knowledge and Data Engineering*
- IEEE Micro Magazine*
- IEEE/ACM Transactions on Networking*

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

IEEE Publishes Top-Cited Computer Content

- The top 4 journals in Computer Science, Hardware & Architecture
- 18 of the top 20 journals in Telecommunications
- 3 of the top 5 journals in Computer Science, Software Engineering

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

Conferences

- IEEE Annual International Symposium on Field-Programmable Custom Computing Machines
- IEEE Conference on Engineering of Complex Computer Systems
- IEEE International Conference on Cloud Computing
- IEEE International Conference on Computational Intelligence and Computing Research
- IEEE Symposium on Security and Privacy
- International Conference on Advances in Electronics and Micro-electronics
- NASA/ESA Conference on Adaptive Hardware and Systems

Standards

- | | |
|------------|---|
| 1413-2010 | IEEE Standard Framework for Reliability Prediction of Hardware |
| 1667-2009 | IEEE Standard for Authentication in Host Attachments of Transient Storage Devices |
| 1800-2012 | IEEE Standard for SystemVerilog-Unified Hardware Design, Specification, and Verification Language |
| 1364-2005 | IEEE Standard for Verilog Hardware Description Language |
| 62530-2011 | SystemVerilog Unified Hardware Design, Specification, and Verification Language |

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