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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 768% 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.

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Source: 2014 Forbes Global 2000 rankings

Essential IEEE Content in Computer Hardware Technology

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

<table>
<thead>
<tr>
<th>Topic</th>
<th>Documents</th>
</tr>
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<tbody>
<tr>
<td>Grid Computing</td>
<td>23,800+</td>
</tr>
<tr>
<td>Computer Vision</td>
<td>126,000+</td>
</tr>
<tr>
<td>Embedded Systems/Software/Computing</td>
<td>77,200+</td>
</tr>
<tr>
<td>Pattern Recognition</td>
<td>182,500+</td>
</tr>
<tr>
<td>High Performance Computing</td>
<td>41,200+</td>
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<tr>
<td>Wireless Sensor Networks</td>
<td>74,300+</td>
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<tr>
<td>Distributed Systems</td>
<td>97,400+</td>
</tr>
<tr>
<td>Parallel Architecture</td>
<td>29,600+</td>
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<tr>
<td>Computer Arithmetic</td>
<td>5,700+</td>
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<tr>
<td>Internet of Things/M2M</td>
<td>9,600+</td>
</tr>
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</table>

Counts are accurate as of May 2014 and include IEEE/IET and IBM content.
IEEE Leads Computer Hardware 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 Wireless Communications Magazine—#1 in Computer Science, Hardware & Architecture
—IEEE Transactions on Neural Networks & Learning Systems—#2 in Computer Science, Hardware & Architecture
—IEEE Network—#3 in Computer Science, Hardware & Architecture
—IEEE Transactions on Computational Intelligence and AI in Games
—IEEE Computer Architecture Letters
—IEEE Computer Graphics and Applications Magazine
—Computer Magazine
—IEEE Transactions on Computers
—IEEE Transactions on Dependable and Secure Computing
—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: 2013 Thomson Reuters Journal Citation Reports, published July 2014

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—Top 15 journals in Telecommunications
Source: 2013 Thomson Reuters Journal Citation Reports, published July 2014

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

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