Computer Software Organizations
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Today’s computer software 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 923% 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 Computer Software Patents

IEEE is the top scientific and technical research source with 33% of all patent citations in computer software.

Essential IEEE Content in Computer Software Technology

IEEE content remains crucial to the computer software 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>
</thead>
<tbody>
<tr>
<td>Service Oriented Architecture/Software as a System</td>
<td>16,500+</td>
</tr>
<tr>
<td>Cloud Computing</td>
<td>69,400+</td>
</tr>
<tr>
<td>Data Mining</td>
<td>115,200+</td>
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<tr>
<td>Software/Systems Testing</td>
<td>58,000+</td>
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<tr>
<td>Open Source</td>
<td>24,000+</td>
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<tr>
<td>Social and Collaborative Networks/Computing</td>
<td>45,300+</td>
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<tr>
<td>Mobile/Pervasive Computing</td>
<td>97,800+</td>
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<tr>
<td>Internet of Things/M2M</td>
<td>63,800+</td>
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<tr>
<td>Machine Learning</td>
<td>105,600+</td>
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<tr>
<td>Data Privacy</td>
<td>28,000+</td>
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<tr>
<td>Artificial Intelligence</td>
<td>283,000+</td>
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</tbody>
</table>

Counts are accurate as of November 2021
IEEE Leads Computer Software 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 Transactions on Dependable and Secure Computing—#3 in Computer Science, Software Engineering
—IEEE Transactions on Services Computing—#1 in Computer Science, Software Engineering
—IEEE Transactions on Multimedia—#5 in Computer Science, Software Engineering
—Computer Magazine
—IEEE Internet Computing Magazine
—IEEE Micro Magazine
—IEEE Transactions on Software Engineering
—IEEE Software Magazine
—IEEE Transactions on Visualization and Computer Graphics
—IEEE Transactions on Cloud Computing

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

IEEE Publishes Top-Cited Computer Content
—3 of the top 5 journals in Computer Science, Software Engineering
—The top 4 journals in Computer Science, Hardware & Architecture
—9 of the top 10 journals in Telecommunications

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

Conferences
Conference on Software Engineering Education and Training
Euromicro Conference on Software Engineering and Advanced Applications
IEEE International Conference on Software Engineering
IEEE International Workshop on Software Evolvability
International Conference on Software Engineering Advances
International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel & Distributed Computing
International Conference on Software Testing, Verification, and Validation
NASA/IEEE Software Engineering Workshop

Standards
1044 IEEE Standard Classification for Software Anomalies
24765-2010 Systems and Software Engineering—Vocabulary
15289 Systems and Software Engineering—Content of Life-Cycle Information Products (Documentation)
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