Power and Energy Organizations
Innovate with IEEE Information

Whether you’re researching distribution, reliability, superconductors, or any other power and energy technology, IEEE is your gateway to the most vital information in the industry today. With the intuitive IEEE Xplore® digital library, you’ll find the journal articles, conference proceedings, and standards needed to lead energy innovation—and boost your company’s bottom line.

IEEE Information Drives Power and Energy Patents
Today’s power and energy corporations deliver new patented technologies at an ever-increasing pace, based on research that is at the forefront of the industry. Organizations like Schneider Electric, Mitsubishi Electric, Emerson Electric, Vestas, and Fortive all cite high proportions of IEEE literature in patents for new technology.

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

<table>
<thead>
<tr>
<th>Power Systems</th>
<th>Wind Energy</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>35%</em>*</td>
<td><em>40%</em>*</td>
</tr>
</tbody>
</table>

*Percentage of patent citations 1999–2018
Source: 1790 Analytics LLC, copyright 2019

IEEE Content in Power and Energy Technology
IEEE content remains crucial to the power and energy 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>Lithium-Ion</td>
<td>3,900+</td>
</tr>
<tr>
<td>Power Distribution</td>
<td>32,300+</td>
</tr>
<tr>
<td>Power Generation</td>
<td>138,800+</td>
</tr>
<tr>
<td>Renewable/Solar/Wind Energy</td>
<td>56,900+</td>
</tr>
<tr>
<td>Climate Change/Global Warming</td>
<td>6,900+</td>
</tr>
<tr>
<td>Smart Grid</td>
<td>25,600+</td>
</tr>
<tr>
<td>Power Quality</td>
<td>21,700+</td>
</tr>
<tr>
<td>Substation Topics</td>
<td>20,000+</td>
</tr>
<tr>
<td>Power Electronics</td>
<td>122,500+</td>
</tr>
<tr>
<td>Fuzzy Systems</td>
<td>36,200+</td>
</tr>
</tbody>
</table>

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

www.ieee.org/innovate
Phone  +1 800 701 IEEE (4333) (in the U.S.)
       +1 732 981 0060 (worldwide)
Email  onlinesupport@ieee.org
IEEE Leads Power and Energy 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 Energy Conversion
—IEEE Journal of Photovoltaics
—IEEE Transactions on Power Delivery
—IEEE Transactions on Power Electronics
—IEEE Power & Energy Magazine
—IEEE Transactions on Power Systems
—IEEE Transactions on Smart Grid
—IEEE Transactions on Sustainable Energy

Conferences
Annual Conference for Protective Relay Engineers
IEEE Innovative Smart Grid Technologies Conference
IEEE International Conference on Power System Technology
IEEE International Energy Conference
IEEE International Symposium on Power Line Communications
IEEE PES General Meeting
IEEE Photovoltaic Specialists Conference
IEEE/PES Transmission and Distribution Conference and Exposition
International Conference on Power Electronics and Drive Systems
International Conference on the European Energy Market

Standards
519-1992  IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems
1547.2  IEEE Application Guide for IEEE Std 1547, IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems
C37.100-1992  IEEE Standard Definitions for Power Switchgear
242-2001  IEEE Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems
835a-2012  IEEE Standard Power Cable Ampacity Tables Amendment 1: Revision to Introduction
1159-2009  IEEE Recommended Practice for Monitoring Electric Power Quality
142-2007  IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems

For more information about content types, please visit www.ieee.org/digitalsubscriptions

The IEEE Xplore® Digital Library
Find a subscription that’s right for you—from tailored journal collections to the entire research catalog—with the IEEE Xplore digital library. Along with journals, magazines, conferences, standards, eBooks, and eLearning, IEEE Xplore delivers:
- The world’s most highly cited journals in technology
- Approximately 5 million full-text documents
- Full-text, searchable PDFs for all documents, and a growing number of HTML documents
- Full INSPEC abstract and citation records
- Daily content updates—approximately 20,000+ new IEEE/IET articles every month
- Multiple search options
- Interactive reference linking
- Free email alerts

Learn which IEEE subscription option is right for your organization.
Visit www.ieee.org/innovate

Phone  +1 800 701 IEEE (4333) (in the U.S.)
+1 732 981 0060 (worldwide)
Email  onlinesupport@ieee.org