Automotive Organizations
Innovate with IEEE Information

Whether you’re developing intelligent transportation systems, alternative fuel applications, navigation software, or any other automotive 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 automotive innovation—and boost your company’s bottom line.

IEEE Information Drives Technology Patents

Today’s automotive corporations deliver new patented technologies at an ever-increasing pace, based on research that is at the forefront of the industry. Organizations like Toyota, General Motors, Volkswagen, and Honda all cite high proportions of IEEE literature in patents for new technology.

Patent references to IEEE papers have increased 864% since 1997 and recent studies of the top patenting companies show that IEEE scientific and technical articles are cited nearly 3 times more often than any other publisher.

Patent References from the Top 5 Publishers

Source: 1790 Analytics LLC, copyright 2022

Essential IEEE Content in Automotive Technology

IEEE content remains crucial to the automotive 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>Hybrid/Electric Vehicles</td>
<td>59,700+</td>
</tr>
<tr>
<td>Sensor Networks/Remote Sensing</td>
<td>208,000+</td>
</tr>
<tr>
<td>Mechatronics</td>
<td>62,800+</td>
</tr>
<tr>
<td>Global Positioning System/GPS</td>
<td>39,100+</td>
</tr>
<tr>
<td>Autonomous Vehicles</td>
<td>59,400+</td>
</tr>
<tr>
<td>Embedded Systems</td>
<td>43,700+</td>
</tr>
<tr>
<td>Cognitive/Agile/Software Defined Radio</td>
<td>32,300+</td>
</tr>
<tr>
<td>MEMS</td>
<td>34,400+</td>
</tr>
<tr>
<td>Adaptive Control</td>
<td>51,700+</td>
</tr>
<tr>
<td>Collision Avoidance</td>
<td>22,100+</td>
</tr>
</tbody>
</table>

Counts are accurate as of November 2021
IEEE Leads Automotive 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 Vehicular Technology Magazine—
  #3 in Transportation Science & Technology
—IEEE Transactions on Intelligent Transportation Systems
—IEEE Transactions on Transportation Electrification
—IEEE Transactions on Vehicular Technology
—IEEE Transactions on Control Systems Technology
—IEEE Transactions on Electromagnetic Compatibility
—IEEE Intelligent Transportation Systems Magazine
—IEEE Transactions on Power Electronics
—IEEE Sensors Journal
—IEEE Transactions on Intelligent Vehicles
—IEEE Wireless Communications Letters
—IEEE Wireless Communications Magazine

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

Conferences

IEEE Forum on Integrated and Sustainable Transportation Systems
IEEE Intelligent Transportation Systems Conference
IEEE Intelligent Vehicles Symposium
IEEE International Conference on Vehicular Electronics and Safety
IEEE International Electric Vehicle Conference
IEEE Vehicle Power and Propulsion Conference
IEEE Vehicular Technology Conference
Workshop on Positioning, Navigation, and Communication

Standards

1653.4 IEEE Standard for DC Traction Power System Field Testing and Acceptance Criteria for System Applications up to 1500 V DC Nominal
1609.12 IEEE Standard for Wireless Access in Vehicular Environments (WAVE)—Identifier Allocations
1512 IEEE Standard for Common Incident Management Message Sets for Use by Emergency Management Centers
1473 IEEE Standard for Communications Protocol Aboard Passenger Trains

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

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