

Automotive Organizations

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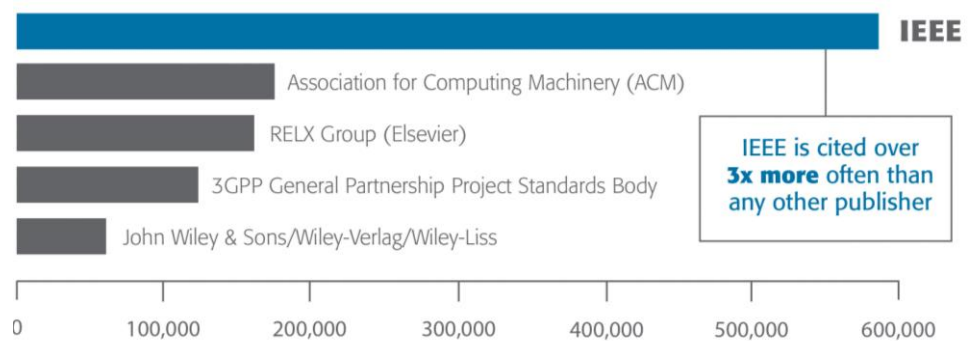
Whether you're developing intelligent transportation systems, alternative fuel applications, navigation software, or any other automotive technology, IEEE is your gateway to the most vital information in the industry today. With the intuitive IEEE *Xplore*® digital library, you'll find the journal articles, 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 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 publisher.**

Patent References from the Top 5 Publishers



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Counts are accurate as of November 2021

7 of the top 10 consumer durables companies subscribe to IEEE *Xplore*.

Source: 2021 Forbes Global 2000 rankings

Manufacturers are using IEEE technology to make vehicles safer, reliable, and more efficient. A number of recent Motor Trend award winners were designed by an organization that uses IEEE information.

IEEE technical societies focusing on automotive engineers include the IEEE Vehicular Technology Society, IEEE Sensors Council, and the IEEE Power Electronics Society.

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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

- | | |
|----------|--|
| C62.92.3 | IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part III—Generator Auxiliary Systems |
| 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 |

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