Aerospace and Defense Organizations
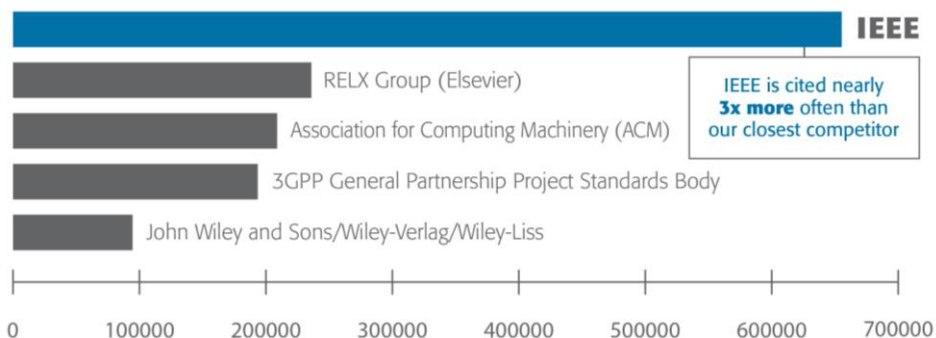## Innovate with IEEE Information

Whether you're researching biological and germ warfare, intelligence surveillance, sensor networks, or any other aerospace and defense 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 aerospace and defense innovation.

IEEE Information Drives Technology Patents

Today's aerospace and defense organizations deliver new patented technologies at an ever-increasing pace, based on research that is at the forefront of the industry. Organizations like Airbus, Boeing, BAE Systems, Raytheon, and Northrop Grumman 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**.

The Top 10 aerospace and defense companies subscribe to IEEE *Xplore.* (Source: 2022 Forbes Global 2000 rankings)

"IEEE *Xplore* is essential for the rapid and thorough development of complex solutions expected by our customers."

—Howard Patterson, Electrical Engineer—Technical Staff, General Dynamics

Patent References from the Top 5 Publishers

IEEE

RELX Group (Elsevier)

Association for Computing Machinery (ACM)

3GPP General Partnership Project Standards Body

John Wiley and Sons/Wiley-Verlag/Wiley-Liss

IEEE is cited nearly **3x more** often than our closest competitor

0   100000   200000   300000   400000   500000   600000   700000

Source: 1790 Analytics LLC, copyright 2022

Essential IEEE Content in Aerospace and Defense Technology

IEEE content remains crucial to the aerospace and defense industry—providing research in a wide variety of topics through the IEEE *Xplore* digital library.

Biometrics/Biometry/Bioinformatics	49,900+ documents
Robot/Robotics	266,600+ documents
Failure Analysis	32,200+ documents
Systems Engineering	62,000+ documents
Autonomous/Unmanned Vehicles/Drone	62,500+ documents
Sensor Networks/Remote Sensing	208,000+ documents
Antennas	273,200+ documents
Intelligent Agents/Systems	68,200+ documents
Network Security	27,300+ documents
Avionics	12,800+ documents
Cloud Computing	69,400+ documents
Satellite Communications	17,300+ documents

Counts are accurate as of November 2021

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

IEEE
Advancing Technology for Humanity

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
- More than 5 million full-text documents
- Full-text, searchable PDFs for all documents, and a growing number of HTML documents
- Abstract/citation and bibliographic records for subscribed content
- Daily content updates with up to 200,000 articles added each year
- Multiple search options
- Interactive reference linking
- Free email alerts

IEEE Leads Aerospace and Defense

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 Aerospace and Electronic Systems*—
  #3 in Aerospace Engineering
—*IEEE Aerospace and Electronic Systems Magazine*
—*Journal of Lightwave Technology*
—*IEEE Nanotechnology Magazine*
—*IEEE Security & Privacy Magazine*
—*IEEE Sensors Journal*
—*IEEE Transactions on Vehicular Technology*

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

Conferences

IEEE AUTOTESTCON
IEEE Avionics, Fiber-Optics, and Photonics Technology Conference
IEEE International Symposium on Phased Array Systems and Technology
IEEE National Aerospace and Electronics Conference
IEEE Radar Conference
IEEE/AIAA Digital Avionics Systems Conference
Integrated Communications, Navigation, and Surveillance Conference
International Conference on Recent Advances in Space Technologies
International IEEE Conference on Microwaves, Communications, Antennas,
  and Electronic Systems

Standards

1672	IEEE Standard for Ultrawideband Radar Definitions—Corrigendum 1
1554	IEEE Recommended Practice for Inertial Sensor Test Equipment, Instrumentation, Data Acquisition, and Analysis
1293	IEEE Standard Specification Format Guide and Test Procedure for Linear, Single-Axis, Nongyroscopic Accelerometers Corrigendum 1: Changes to Annex K and Annex L
802	IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture
671	IEEE Standard Specification Format Guide and Test Procedure for Nongyroscopic Inertial Angular Sensors: Jerk, Acceleration, Velocity, and Displacement Corrigendum 1: 4.7.2.6 Short-Term Stability and Annex A Sensor Dynamic Block Diagrams

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

◆IEEE
Advancing Technology
for Humanity