



Telecommunications Organizations Innovate with IEEE Information

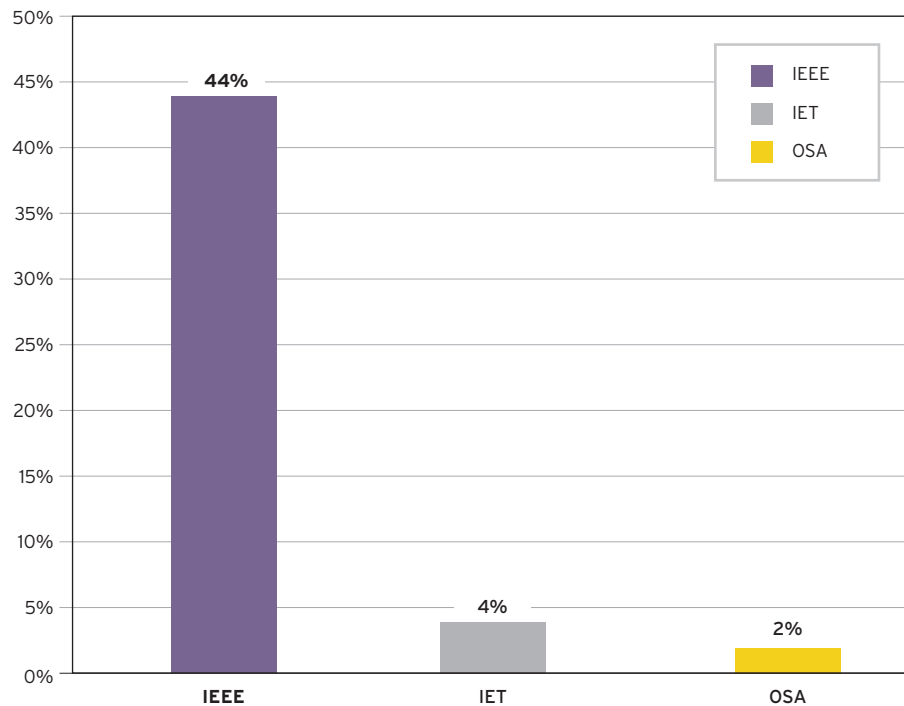
IEEE Information Drives Telecommunications Patents

Recent studies show that IEEE scientific and technical articles are **cited more than six times** as often as articles from any other publisher.*

In the telecommunications industry, IEEE leads the field as the top scientific-technical source of patent citations – **44% of all patent citations** versus 4% for the number two organization, IET (whose journals are also available through IEEE *Xplore*®) and 2% for the number three, OSA.*

Top-Cited Publishers in Telecommunications Patents

The chart below represents the percentage of total scientific and technical citations to top three publishers in Telecommunications patents from 1997 to 2004.



* Source: 1790 Analytics, LLC. Copyright 2005.
Publishers compiled from all journals referenced 100+ times from organizations in 2004 US Patent Office Filings.

New patents cite IEEE-published science more often than any other scholarly or commercial publisher. Patent references to IEEE papers have increased 267 percent in the last decade.

7 of the top 10 telecom companies subscribe to an IEEE online product

Source: 2006 Fortune 1,000 Rankings

7 of the top 10 R&D-spending companies in telecom subscribe to an IEEE online product

Source: 2006 Financial Times



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IEEE Publishes the Top-Cited Telecommunications Journals**

IEEE publishes **13 of the top 20** cited periodicals in telecommunications, including the #1 rated *IEEE Transactions on Mobile Computing*.

Other top-ranked IEEE journals include:

2. *IEEE Network*
3. *IEEE Journal on Selected Areas in Communications*
4. *IEEE Wireless Communications Magazine*
5. *IEEE Pervasive Computing*
7. *IEEE Communications Magazine*
8. *IEEE Microwave Magazine*
9. *IEEE Transactions on Multimedia*
10. *IEEE Transactions on Communications*
11. *IEEE Transactions on Antennas and Propagation*
12. *IEEE Transactions on Wireless Communications*
14. *IEEE Transactions on Broadcasting*
15. *IEEE Communications Letters*

**Source: 2005 Journal Citation Report, Thomson ISI, published June 2006

More Essential IEEE Content in Telecommunications

IEEE content remains crucial to the telecommunications industry. The IEEE Xplore digital library contains a wealth of articles in these key technologies:

Wireless Communications	43,660+ documents
Mobile Computing	13,965+ documents
VoIP - Voice over Internet Protocol	3,150+ documents
WiFi - Wireless Fidelity/802.11	13,000+ documents
Disaster Recovery	615+ documents
3G Wireless	11,400+ documents
WiMax	710+ documents
Broadband	57,550+ documents
MIMO - Multiple Inputs, Multiple Outputs	23,845+ documents
CDMA	31,230+ documents
Security	65,830+ documents

Counts accurate as of January 2007.

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