

Technology Generating Knowledge Sources

Presentation on IEEE Digital Library

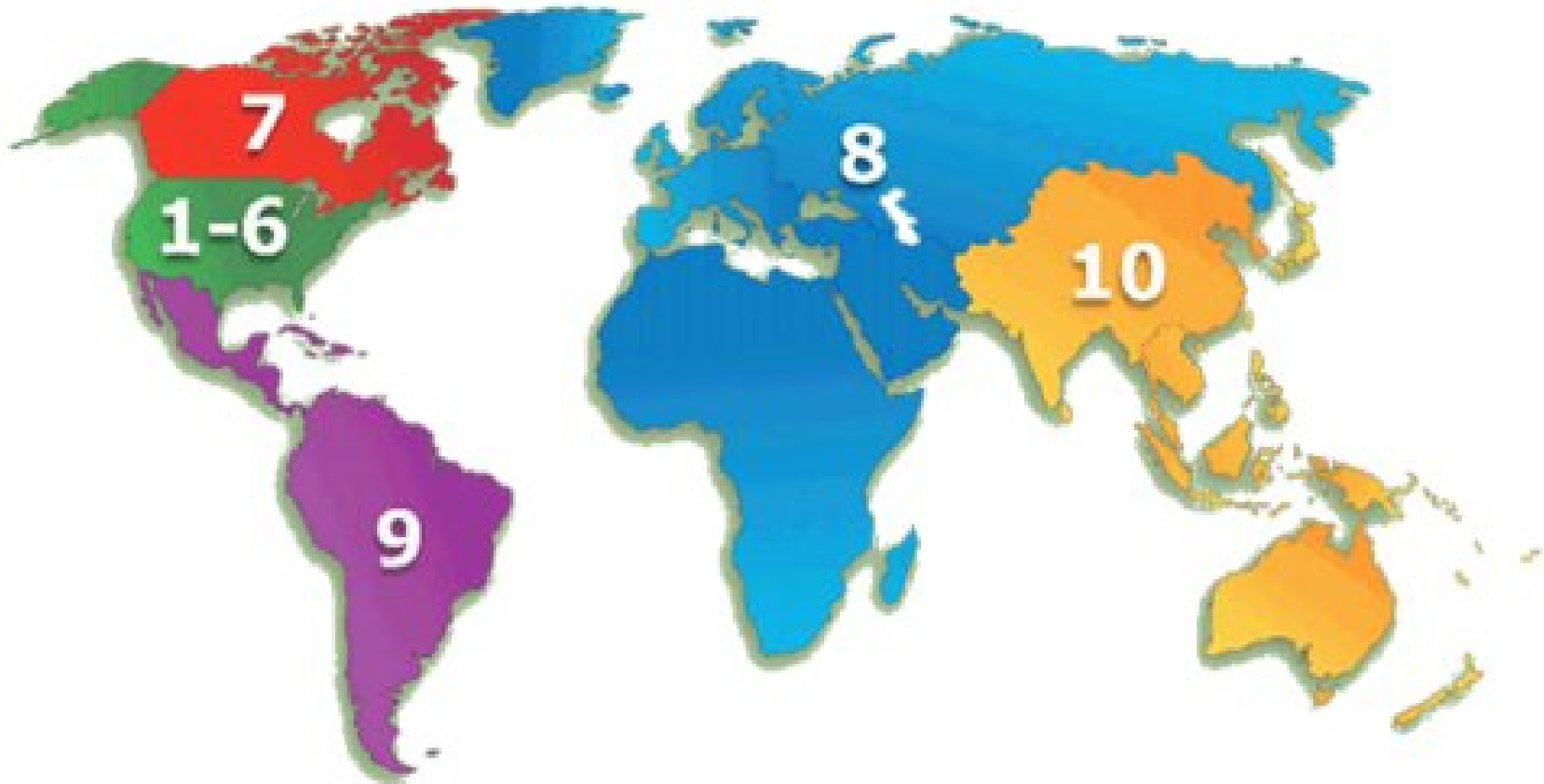


Metin Tunc



IEEE Regional World Map

Over 419,000 Members



IEEE Xplore Digital Library

IEEE.org | IEEE Xplore Digital Library | IEEE Standards | IEEE Spectrum | More Sites

Cart(0) | Create Account | Sign In

IEEE Xplore
DIGITAL LIBRARY

For Institutional Users:
▶ Institutional Sign In
▶ Athens/Shibboleth

IEEE

BROWSE | MY SETTINGS | WHAT CAN I ACCESS? | About IEEE Xplore | Terms of Use | Feedback ?

Books & eBooks
Conference Publications
Education & Learning
Journals & Magazines
Standards
By Topic ▼

Not a subscriber?
Get full-text access with a subscription to IEEE Xplore.
LEARN MORE

QUICK LINKS
Manage Alerts
Training & Tools
IEEE Xplore Mobile

Search 3,230,543 items

SEARCH

Advanced Search | Preferences | Search Tips | More Search Options ▼

Highlights | **What's Popular** | **Most Recent**

Listed by publish date

Books & eBooks

- ▶ Introduction to Wireless Localization:With iPhone SDK Examples
- ▶ Streamlining Digital Signal Processing:A Tricks of the Trade Guidebook
- ▶ Baseband Receiver Design for Wireless MIMO-OFDM Communications
- ▶ Ultrasonic Inspection Technology Development and Search Unit Design:Examples of Practical Applications
- ▶ Optical CDMA Networks:Principles, Analysis and Applications

Education & Learning

- ▶ IEEE English for Engineering
- ▶ Product Development for the other 90%: Lessons

Conference Publications

- ▶ Communications (COMM), 2012 9th International Conference on
- ▶ Mobile Services (MS), 2012 IEEE First International Conference on
- ▶ Quality of Multimedia Experience (QoMEX), 2012 Fourth International Workshop on
- ▶ Wireless and Pervasive Computing (ISWPC), 2012 7th International Symposium on
- ▶ OCEANS, 2012 - Yeosu
- ▶ View More ...

Journals & Magazines

- ▶ Circuits and Systems II: Express Briefs, IEEE Transactions on

IEEE/IET Electronic Library (IEL)

IEL contains almost one-third of the world's current literature in electrical engineering, communications, and computer science

- 3,5 million documents from over 1.6 million authors;
- 160 IEEE journals, magazines, and transactions
- 27 IET journals/magazines, plus 20+ IET conference proceedings
- Proceedings over 1,200 IEEE/IET annual conferences
- More than 2,200 IEEE standards in key tech. fields
- Access to articles accepted for future publication;
- Backfile to the late 1800s for select titles;
- Robust search tools with a user-friendly interface;
- more than 20,000 new IEEE/IET articles per month;

Who uses IEEE information?

The World's Most Successful Technology Organizations Rely on IEEE Information



The Most Innovative Technology Companies

- 22 of top 25 Semiconductor companies
- 7 of top 10 Aerospace companies
- 8 of top 10 Communications Equipment companies
- 8 out of top 10 Telecommunications companies
- All of the top 7 Computer Services companies
(Forbes Global 2000 , May 2011)



The Leading Universities

- All of the top 100 engineering schools in US
- 97 of the Top 100 Technical Universities Worldwide
(US News and World Report 2011, Times Higher Education Top Technology Universities)
- Consortiums in over 30 countries



Government R&D Centers Worldwide

- Defense research and aerospace agencies
- Communications and energy research labs
- Patent offices, public libraries, and scientific councils
- Government R&D centers in North America, Europe, Asia and the Middle East

IEEE Covers All Areas of Technology

More than just electrical engineering & computer science

- Aerospace & Defense
- Automotive Engineering
- Biomedical Engineering
- Biometrics
- Circuits & Systems
- Cloud Computing
- Communications
- Computer Software
- Electronics
- Energy
- Engineering
- Imaging
- Information Technology
- Medical Devices
- Nanotechnology
- Optics
- Petroleum & Gas
- Power Electronics
- Power Systems
- Robotics & Automation
- Semiconductors
- Smart Grid
- Wireless Broadband
-and many more



Quality You Can Trust

Journal Citation Report Results, by Impact Factor

IEEE publishes:

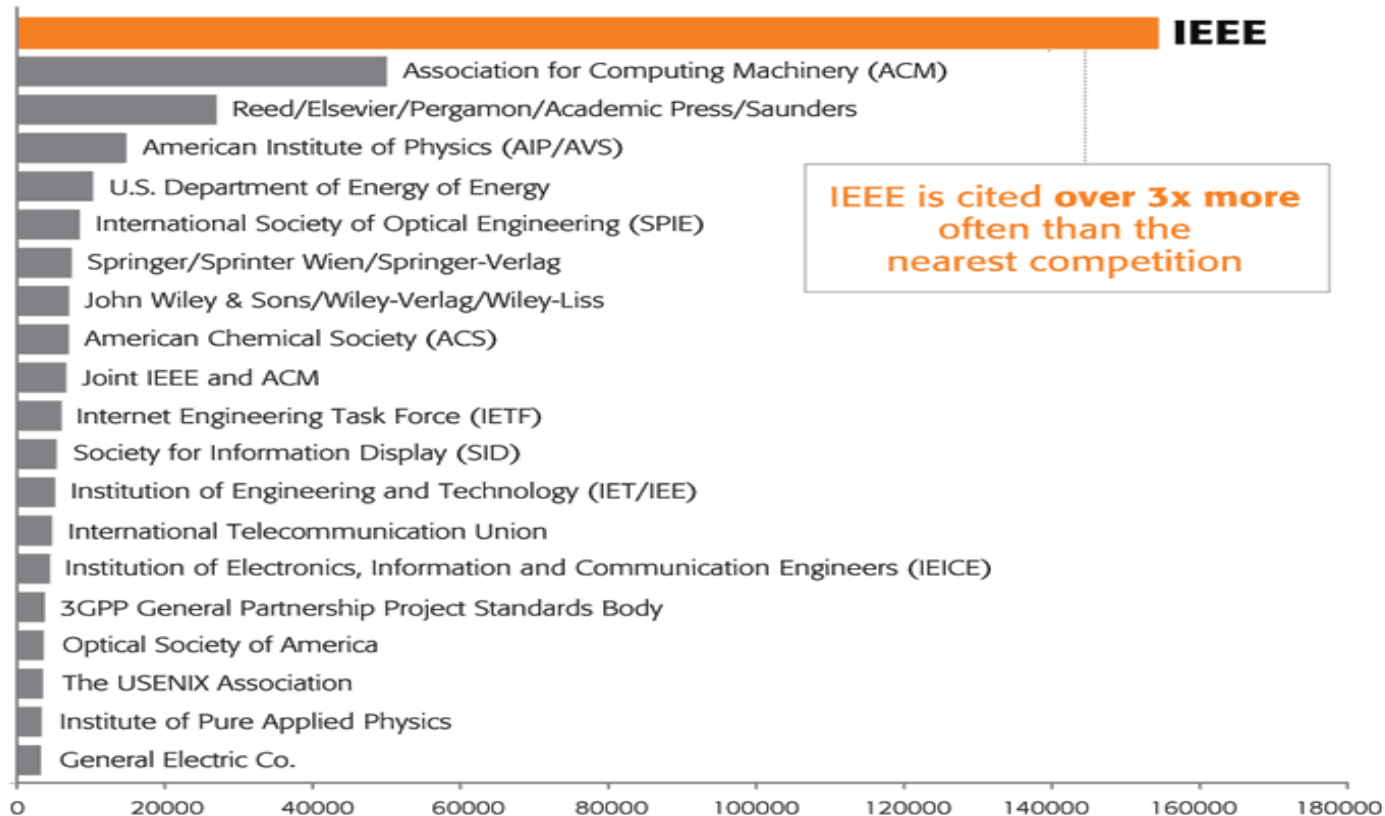
- 17 of top 20 journals in Electrical and Electronic Engineering
- 8 of top 10 journals in Telecommunications
- 7 of top 10 journals in Automation & Control Systems
- 6 of top 10 journals in Computer Hardware & Architecture
- 4 of top 5 journals in Computer Science, Cybernetics
- # 1 in Information Systems
- # 1 in Telecommunications
- # 1 in Artificial Intelligence
- # 1 in Computer Hardware
- # 1 in Automation and Control
- # 1 in Transportation Science



The ISI JCR presents “quantifiable statistical data that provides a systematic, objective way to evaluate the world’s leading journals”

(2011 report released June 2012)

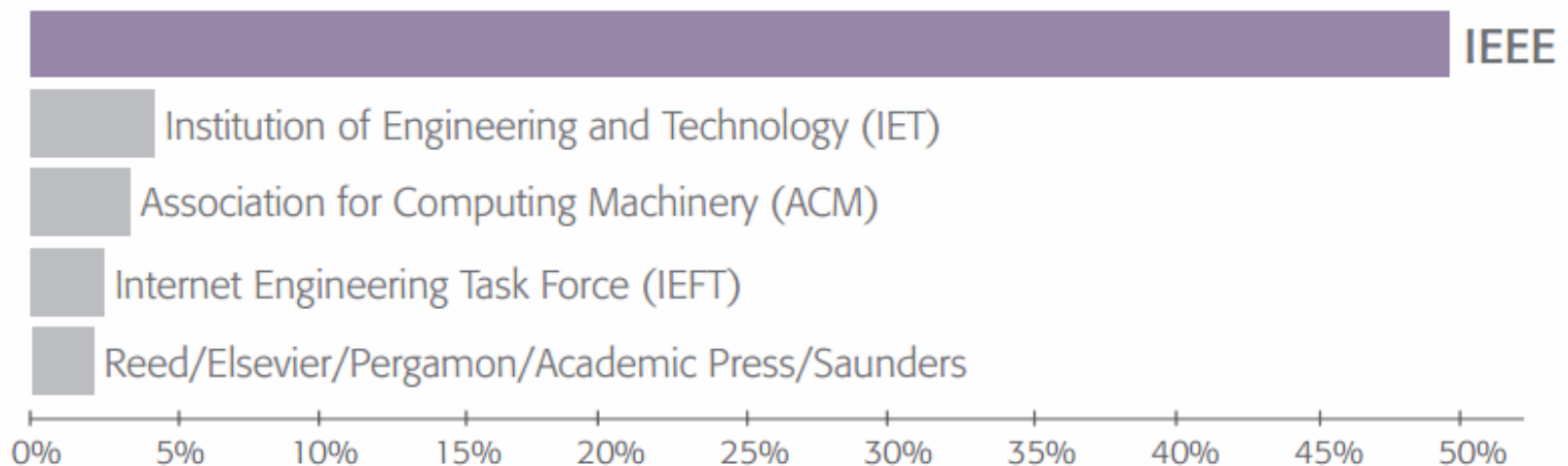
Patent References to STM Publishers



Source: 1790 Analytics LLC, Copyright 2012. IEEE journals and conference proceedings cited more than three times than any other top-20 publisher. Papers referencing IEEE papers in patents has increased 546% since 1997

Telecommunications Technology

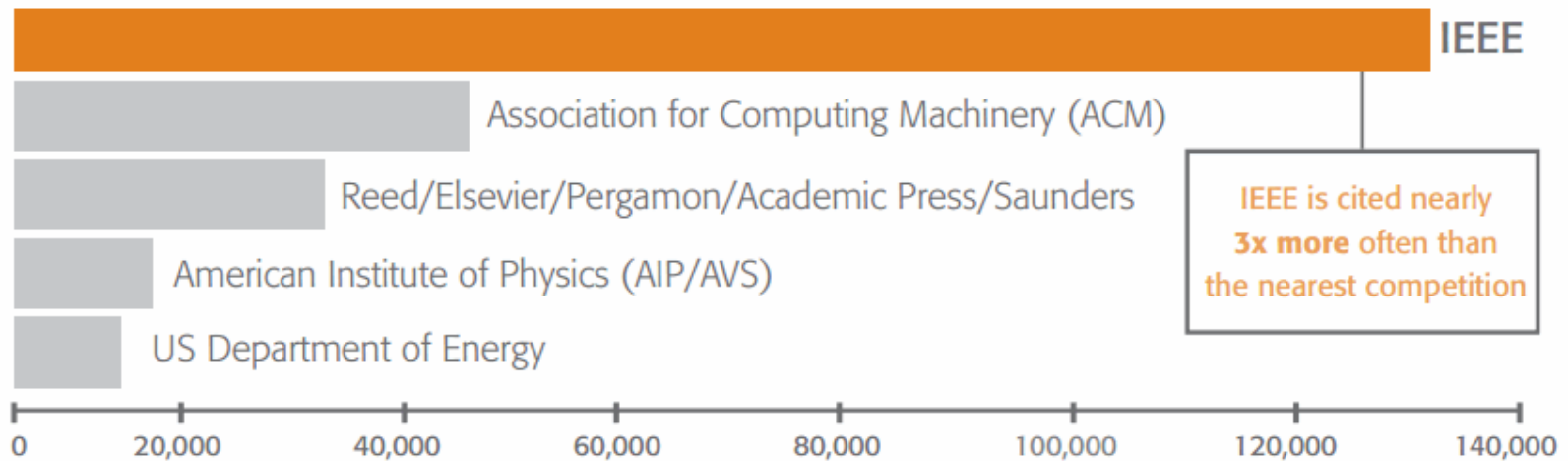
Telecommunications Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

Electronics Technology

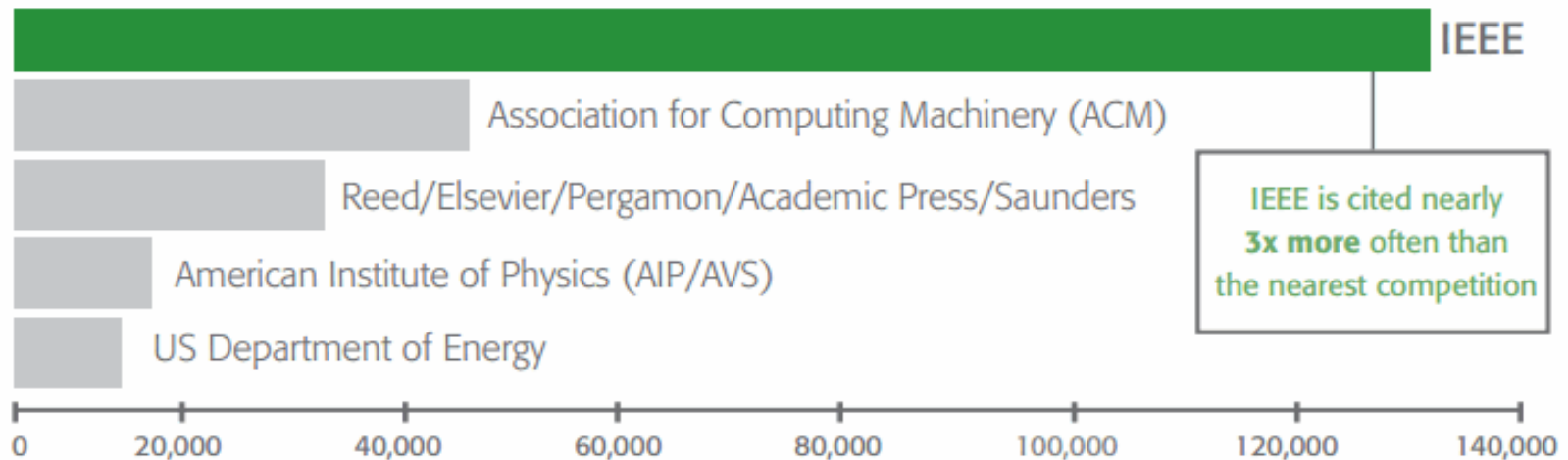
Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

Aerospace and Defense Technology

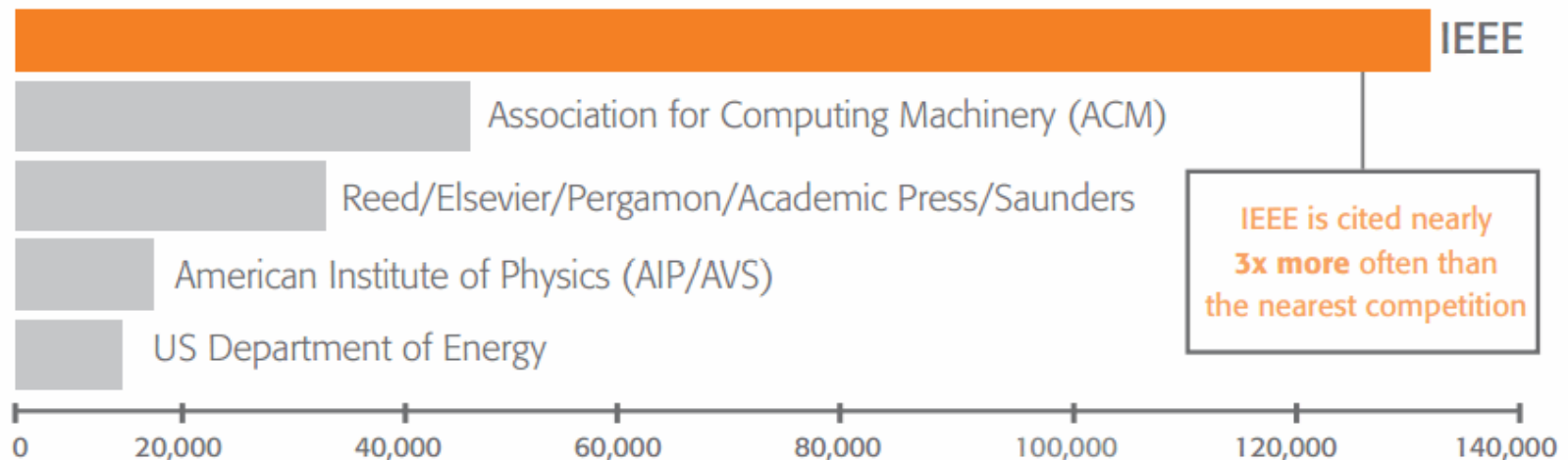
Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

Nanotechnology

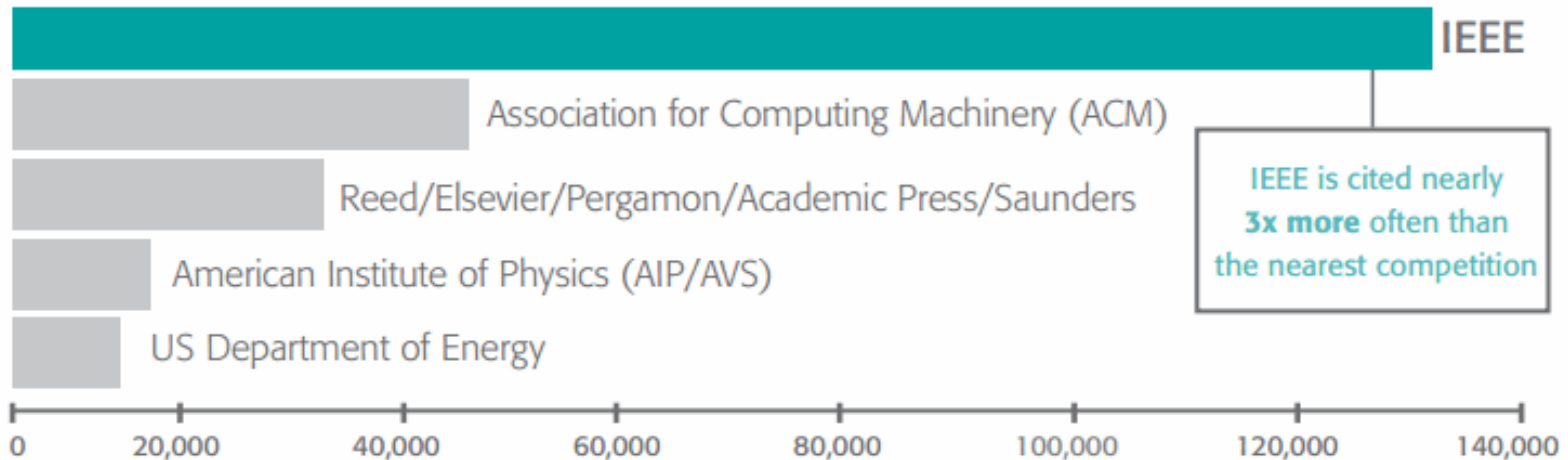
Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

Biomedical Engineering and Medical Device Technology

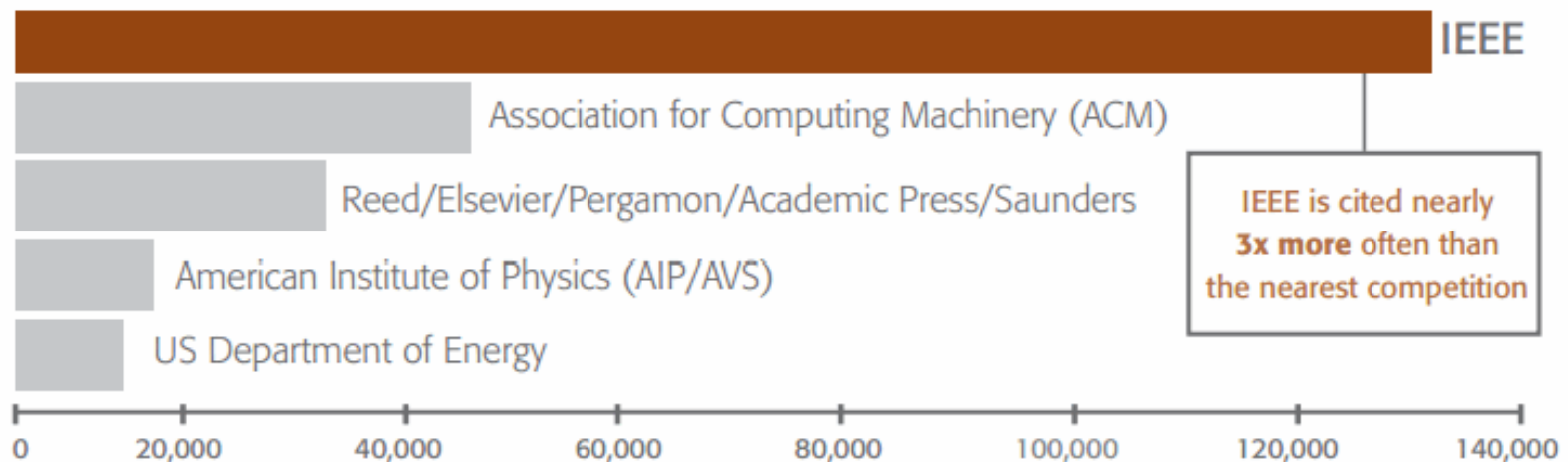
Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

Petroleum and Natural Gas Technology

Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

Conclusion

- With proceedings came through 100 years IEEE brings to higher academic and research institutions the solutions they need to make research effective and efficient.