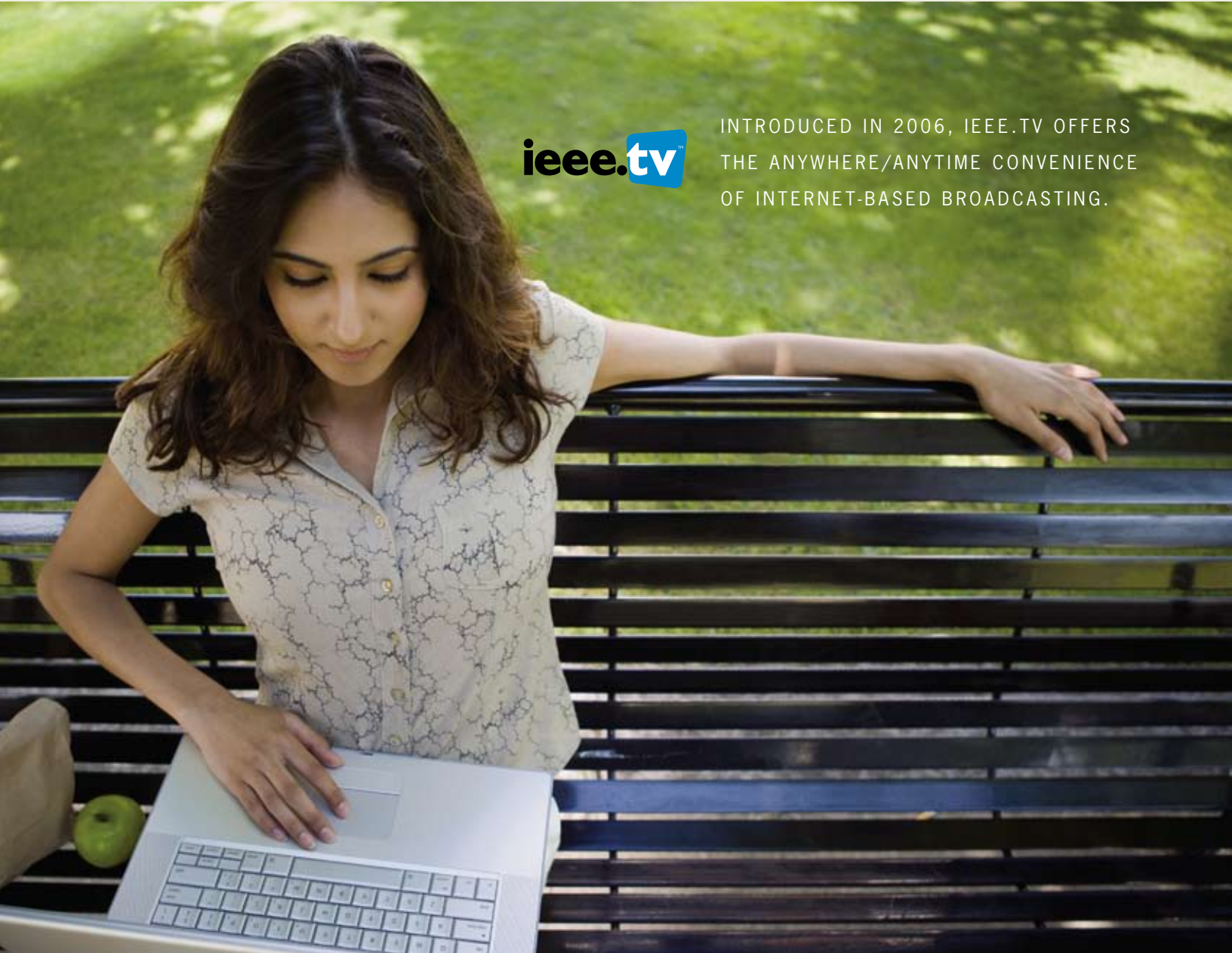


serving members



INTRODUCED IN 2006, IEEE.TV OFFERS
THE ANYWHERE/ANYTIME CONVENIENCE
OF INTERNET-BASED BROADCASTING.





Lights! Camera! Action!

IEEE Now Offers Internet Broadcasting

After more than a century as a leading publisher of technical magazines and books, the IEEE is now an Internet broadcasting network as well.

Introduced in 2006, IEEE.tv contains original content, with broadcasts that provide members with timely technological updates and enlighten non-technical audiences about important technology and engineering topics. As of mid-2007, some 25 programs about technology and engineering were available for viewing on demand from IEEE.tv, with additional titles on the production schedule.

The explosive growth of Internet broadcasting – with its video-streaming, anywhere/anytime convenience – helped to spark this IEEE initiative. The new network reaches a younger audience that is accustomed to multi-media on their terms – while also providing established professionals with valuable information they can use. Although student members comprise about 20 percent of overall IEEE membership, they represent almost half of IEEE.tv viewers.

The programming lineup is divided into five areas, three of which are available exclusively to IEEE members:

- > **Conference Highlights** offers an overview of original, polished productions about selected IEEE conferences and includes interviews with conference presenters. These conferences range from the IEEE Electric Ship Technologies Symposium to a conference on very large systems integration.
- > **Meet the Authors** presents interviews with industry experts who have published books with Wiley-IEEE Press. For example: Carl Selinger gives tips from his “Stuff You Don’t Learn in Engineering School,” which discusses the personal skills engineers need to be successful; Mark Montrose offers highlights from his book on electromagnetic compatibility; and Richard Schreier provides an overview of delta sigma data converter technology.
- > **IEEE.tv Specials** profiles significant people, their achievements and emerging technologies. Recent programs have featured the potential for wind power to help meet the world’s energy needs, and why technology professionals must consider social, economic and environmental effects in making decisions.

Two public-access programming areas are available to IEEE members as well as the general public. **Careers in Technology** explores technology careers like biomedical engineering and information technology in addition to such timely subjects as

Above, left: During a 2006 visit to Beijing, Jeffrey Raynes (left), IEEE executive director and chief operating officer, conferred with, from left, Wu Hequan of the Chinese Academy of Engineering (CAE), and Kang Jincheng and Tian Qi, both of the CAE’s Bureau of International Cooperation. Above, right: The IEEE Mentoring Connection is designed to help newer professionals ease their way into the working world with the expertise of other, well-established members.

recycling electronics hardware. **IEEE Products** offers introductions to various IEEE products including the IEEE Member Digital Library and IEEE Expert Now, among others.

Several IEEE groups are creating IEEE.tv programs of their own, tailored to both their members’ interests and those of people unable to travel to certain meetings. For example, the IEEE Broadcast Technology Society recorded much of its annual Broadcast Symposium and is developing the footage for IEEE.tv. A program produced by IEEE Student Members at Dartmouth College in Hanover, New Hampshire, USA, is also planned. It features classmates who built hybrid-electric race cars from the chassis up.

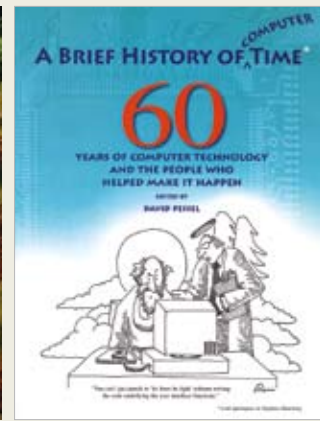
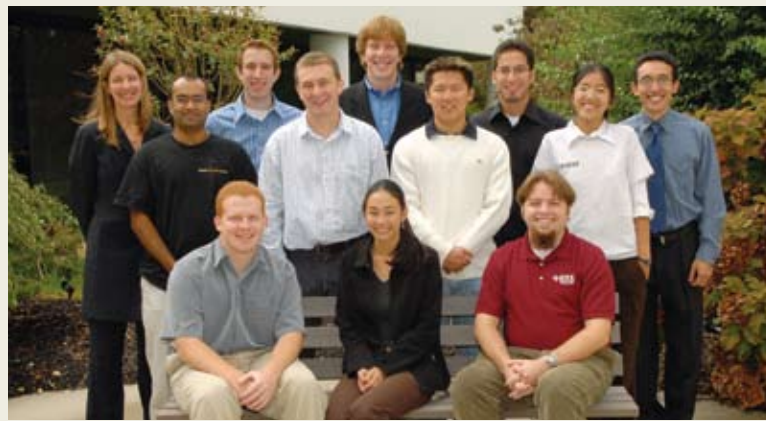
IEEE Mentoring Connection Offers Guidance to New Professionals

As almost any experienced professional will attest, the first year or so after graduation is always the most difficult. Those who are new to the work environment may not know how to best position their strengths in a job interview or respond to a performance appraisal.

To help newer professionals ease their way into the working world, the IEEE Mentoring Connection was launched in late 2006. A Web-based mentoring program, it provides young IEEE members with the expertise of other, well-established members. As of mid-2007, some 850 new professionals and over 370 potential mentors had enrolled, with more than 160 mentoring partnerships established. At present, more than half of the mentors reside in the U.S., with another 19 percent located in Europe/Middle East/Africa and 18 percent in Asia and the Pacific Rim.

Participation in the program is open to all higher-grade (Member and above) IEEE members. In general, individuals seeking mentoring partnerships are new professionals in their first or second job, or are considering making a career move.

The IEEE is partnering with The Training Connection, which has a Web-based program to facilitate the matching process.



Prospective mentors complete a user profile stored in an online database that individuals can search to find a mentor who suits their guidance needs. Online tools include an agreement to help clarify expectations, short-term and final evaluations to summarize accomplishments, and a mentor's guide.

IEEE Computer Society Celebrates 60 Years and Honors Two Pioneers

When the IEEE Computer Society marked its 60th anniversary in 2006, the celebration included awards and recognitions to students as well as two pioneers in the field. The two-day event in San Diego, California, USA, was held 30-31 October and coincided with the 60th anniversary of ENIAC, the first general-purpose electronic digital computer.

A team of students from the Russian State Technological Institute, in Moscow won the society's Computer History Competition, a contest to design a Web site about the history of computing. Northrop Grumman Corp. donated the US\$10,000 cash award.

Computing visionaries Arnold Spielberg and Mamoru Hosaka each received a Computer Pioneer Award for their contributions. Spielberg, an IEEE affiliate member and IEEE Computer Society member as well as the father of film director Steven Spielberg, was honored for his efforts with real-time data acquisition and recording, which became significant factors in defining modern feedback and control processes. Hosaka, who is not an IEEE member, was recognized for his pioneering work in computer technology in Japan. In 1955, he developed the basic concept for a railroad seat-reservation system that evolved into the multi-access reservation system in place today. Toyota Motor Corporation applied Hosaka's ideas in the 1970s when it began designing its automobile bodies using computer-generated models.

In addition, the society presented IEEE Fellow Elisa Bertino with its Tsutomu Kanai Award for her contributions to distributed computing systems. The award, which includes a US\$10,000 honorarium, is funded by Hitachi Ltd.

At year-end 2006, the IEEE Computer Society, the IEEE's largest society, had more than 86,000 members in 140 countries. It traces its roots to a subcommittee on large-scale computers formed in 1946 that was a part of one of the IEEE's predecessor organizations. The IEEE's other predecessor, the Institute of Radio Engineers, had a similar group, and when the AIEE and IRE merged in 1963, the two computer units were combined to form the IEEE Computer Society.

Above, left: IEEE-USA's 2006 Government Fellows contributed technology expertise while also gaining new knowledge. From left, Steven Bank was on U.S. Rep. Dana Rohrabacher's staff working on science and energy issues; Steve Czuchlewski advised the U.S. State Department's Bureau of International Security and Non-Proliferation Center; and Scott Jordan focused on telecommunications and Internet issues on Rep. Ben Nelson's staff. Above, center: Student leaders from U.S. universities participated in the first Student Leaders Summit of the IEEE University Partnership Program. Above, right: As part of its 60th anniversary year, the IEEE Computer Society published a commemorative book that both honored computer pioneers and offered smiles with technology cartoons from The New Yorker, a U.S. magazine. ©2007 J.P. Rini from cartoonbank.com. All Rights Reserved. Facing page: Ken Elkabany of the University of California at Berkeley participated in the IEEE's Student Leaders Summit.

IEEE-USA Introduces Entrepreneurs Village, Forms Innovation Institute

IEEE members who want to start their own businesses have a new place to turn for advice and information. Sponsored by IEEE-USA, the IEEE Entrepreneurs Village is an online site that offers high-tech entrepreneurs with tools and resources to help them launch new businesses and expand existing ones. Village members – there were more than 275 within a few months of the launch – can seek advice and information on topics including funding, marketing, hiring, best practices and legal issues.

Members can post discussion items, link to articles from other sites they find helpful, search for other entrepreneurs and learn about local entrepreneurial groups within the IEEE's U.S. sections. The Entrepreneurs Village also has a mentoring database to help newer business owners locate a more experienced person who can offer advice and information.

In late 2006, IEEE-USA also began organizing the Innovation Institute, a new organization that will offer programs to help managers in business, academic and government organizations who are responsible for the innovation of new products and services. Scheduled to become operational during 2007, the Institute will offer workshops throughout the U.S. led by a faculty of accomplished innovators and entrepreneurs. Workshop topics will include innovative design, research, development, delivery, marketing and sales. Other important areas that help to foster innovative environments – such as human relations, legal and public policy – also will be covered. In addition, a subscriber-based virtual community will offer access to innovation practices, case studies, mentors and other resources.

FIRST IEEE STUDENT LEADERS SUMMIT ENCOURAGES NETWORKING, SHARING.



Student Leaders Gather for Summit Meeting

Student leaders' interests – such as networking with peers, sharing best practices for boosting Branch membership, and encouraging entrepreneurship and community service – were on the agenda when leaders from nine U.S. universities gathered in September of 2006.

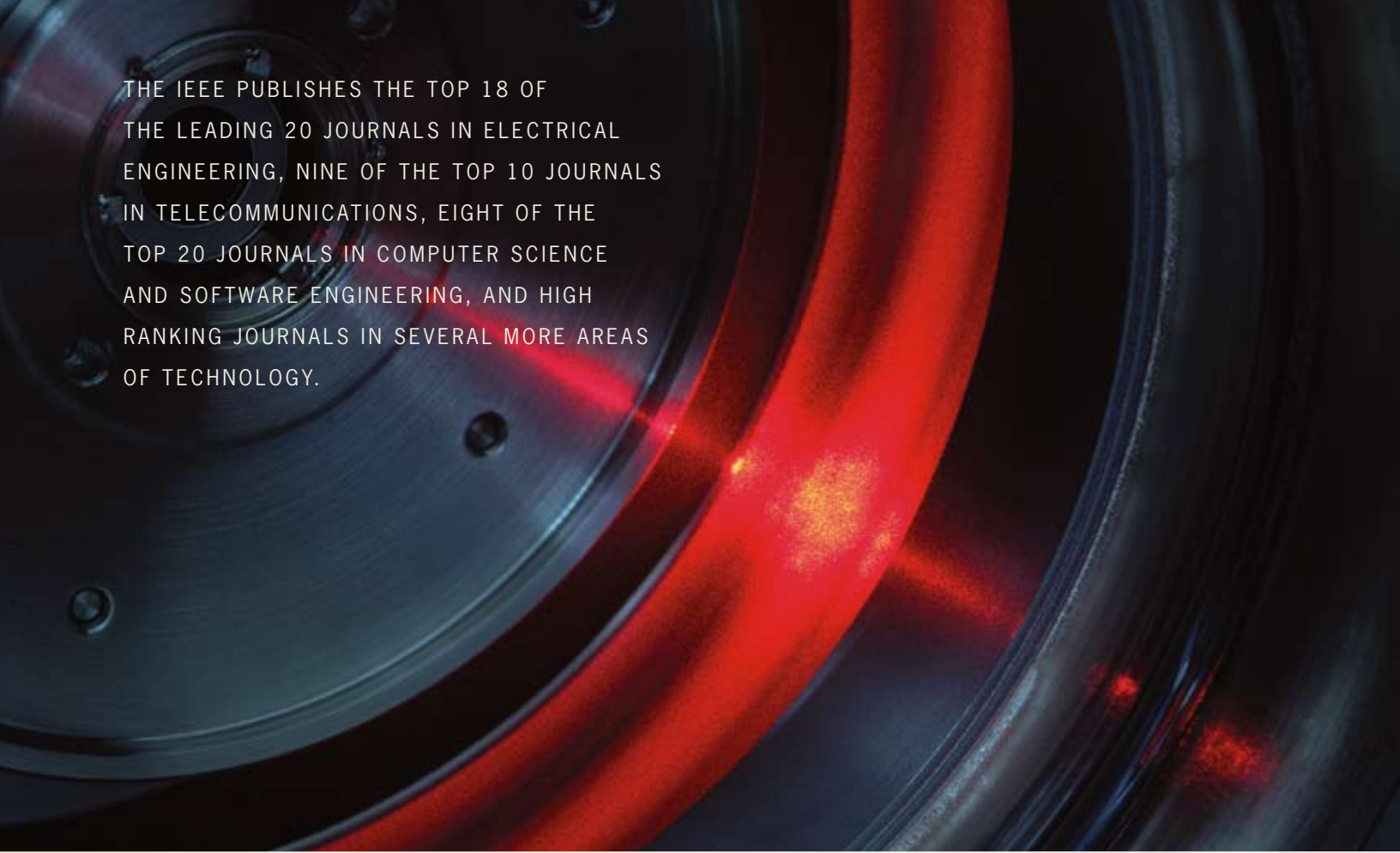
The gathering, which was the first Student Leaders Summit of the IEEE University Partnership Program (UPP), included representatives from Drexel University; Stanford; Texas A&M University; the University of California's Berkeley, Los Angeles and San Diego campuses; the University of Michigan; Virginia Tech; and Worcester Polytechnic Institute. The meeting took place at the IEEE Operations Center in Piscataway, New Jersey, USA.

The IEEE began the UPP in 1999 to establish closer ties with student branches at these and four other institutions that were not represented at the summit. They are: California Institute of Technology, Columbia University, Dartmouth College and Massachusetts Institute of Technology. The goals of the program are to encourage students' learning and their development of professional skills and relationships.

The branch leaders also got career advice from guest speakers, including author Carl Selinger, who discussed the value of non-technical skills. *IEEE Spectrum* Executive Editor Glenn Zorpette also described his experiences while embedded with an engineering team helping to rebuild Iraq's power grid.

In mid-2007, plans were underway to expand the University Partnership Program to several universities located outside the U.S.

products and services



THE IEEE PUBLISHES THE TOP 18 OF THE LEADING 20 JOURNALS IN ELECTRICAL ENGINEERING, NINE OF THE TOP 10 JOURNALS IN TELECOMMUNICATIONS, EIGHT OF THE TOP 20 JOURNALS IN COMPUTER SCIENCE AND SOFTWARE ENGINEERING, AND HIGH RANKING JOURNALS IN SEVERAL MORE AREAS OF TECHNOLOGY.

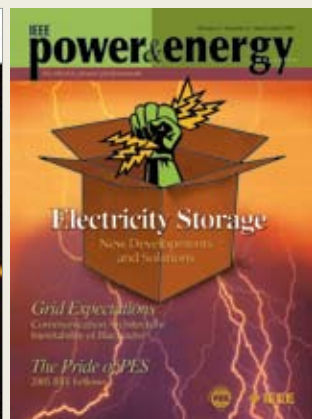
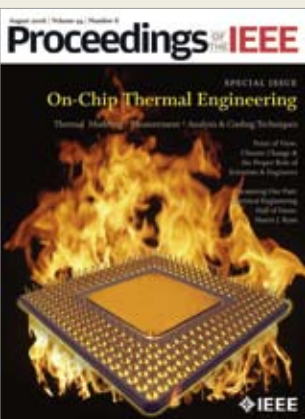
Studies Again Confirm Value of IEEE Publications

In 2006, several studies continued to reaffirm the value of IEEE technical journals to engineers and scientists. Because patent citation has become such a reliable indicator of journal usefulness, the IEEE again commissioned an analysis of how often patents issued by the United States Patent Office (USPO) cite scientific literature – especially IEEE-published content. This was the fifth such study for the IEEE since 2004.

1790 Analytics LLC, a New Jersey, U.S.-based consulting firm that analyzes patent trends for the investment community, conducted two studies in 2006 for the IEEE and found that the top 25 patenting companies referenced more than 250,000 articles over the last 10 years. More than 38 percent of those articles appeared in IEEE journals and IEEE-sponsored conference proceedings.

An analysis of all patents in several technology categories revealed even more powerful findings. For example, some 47 percent of all scientific references to computer hardware patents cited IEEE publications, while the second most referenced publisher had slightly less than 12 percent. The results were similar in such areas as information technology, information storage, telecommunications and power systems.

The second 2006 study conducted by 1790 Analytics assessed the impact of IEEE publications on European patent citations. The 25 most active information technology companies published over 17,000 patents with the European Patent Office (EPO) in 2005 alone. More than half of these cited documents were published by the IEEE. These findings are consistent with the U.S.-based results of earlier studies and are important because, although about half of all U.S. patents were not invented in the U.S., some individuals



Facing page: Laser-controlled X-ray tubes provide new benefits. A filament of tungsten that glows very brightly at about 2500° C. enables it to emit electrons accelerated by high voltage in the vacuum and generate X-ray radiation when they strike the counter electrode. (Courtesy of Siemens) This page, left: Proceedings of the IEEE, which marks its 95th year of continuous publication in 2007, unveiled a new design and new features in 2006. Center: In 2006, the Willamette Valley Chapter of the Society for Technical Communications (STC) honored three 2005 issues of IEEE Power & Energy Magazine for excellence in magazine design. Right: The January 2005 cover of IEEE Signal Processing Magazine was recognized for excellence in 2006 by the STC.

in the global patent community perceive the European patent systems referencing method to be superior to the U.S. system.

The patent-citation metric is a relatively new technique for measuring the value of IEEE scientific and technical journals. Another long-established approach is the Institute of Scientific Information's (ISI) annual Journal Citation Report (JCR), which ranks the impact of journals by how frequently their content is quoted or cited by other scientific publications in their initial year of publication. According to the ISI's 2005 study, that was released in mid-2006, the IEEE publishes the top 18 of the leading 20 journals in electrical engineering, nine of the top 10 journals in telecommunications, eight of the top 20 journals in computer science and software engineering, and high-ranking journals in several more areas of technology. The JCR ranks journals by their impact factor, defined as the average number of times that articles published in a specific journal in the previous two years were cited in a particular year.

Target: Author-to-Reader Digital Publishing

The IEEE is moving closer to a major publishing goal: an all-electronic environment that will help authors and enhance readers' rapid access to cutting-edge information.

In 2006, IEEE publishing advances included both new processes and the refinement of recent innovations. They include:

- > **E-Copyright Form.** Launched in 2004 and now fully implemented, this Web-based system completes the IEEE copyright form for the author and permits the author to sign digitally and file online. The form is available in seven languages: English, French, Spanish, German, Japanese, Simplified Chinese and Russian.
- > **Reference Validation and Link Management.** This tool automates the process of checking author-supplied references against known references to facilitate accurate hyper-linking of documents. Now used internally by IEEE editorial employees, an author module that allows authors to validate citations before submitting their manuscripts to the IEEE is being readied for 2007.
- > **IEEE Manuscript Central.** More than 65 percent of the IEEE's 130+ technical publications now use this online manuscript submission system, which enables authors to submit their manuscripts for peer review. In 2006, about 3,000 manuscripts a month were submitted for review – a 20 percent increase over 2005.

> IEEE Digital Asset Management System (IDAMS).

Launched in 2006, IDAMS stores finished IEEE articles and feeds them to IEEE Xplore®, the organization's digital library. IDAMS supports publishing single articles and multimedia files, offering some articles for online availability as much as two months before they appear in a scheduled printed journal issue.

- > **PDF eXpress.** A service that provides PDF checking and conversion for IEEE conference authors, it enabled processing of almost 172,000 files in 2006, compared to 90,000 files for all of 2005. The service, which is available through IEEE-sponsored conferences that register to participate, checks PDFs before authors submit their manuscripts for publication in the conference proceedings. PDF eXpress ensures that the PDF will meet requirements for optimal display in IEEE Xplore®, thus helping to speed up the online availability of conference proceedings.

- > **IEEE Xplore®.** Users of the IEEE's online delivery platform downloaded 68 million full-text PDF documents during 2006, an average of 5.7 million a month. Also last year, IEEE Xplore® expanded its holdings by another 100,000 articles, including the addition of digitized legacy content dating back to 1913 and a new research tool for power and energy organizations. The legacy content includes the earliest issues of *Proceedings of the IRE*, the predecessor to *Proceedings of the IEEE*, while the new IEEE Power & Energy Library provides focused searching and browsing of power and energy-specific content.

Five New Publications Focus on Breakthrough Technologies

Each of the four new IEEE technical publications introduced in 2006 concentrates on emerging technologies that can have a tremendous impact on industry and people's lives.

IEEE Computational Intelligence Magazine covers all areas of computational intelligence design and applications, especially applications-oriented developments, successful industrial implementations, design tools, computational intelligence education and applied research. It is published by the IEEE Computational Intelligence Society.

IEEE Vehicular Technology Magazine offers automotive transportation engineers current research about motor vehicles and associated land transportation infrastructures, including terrestrial mobile vehicular services, components, systems and auxiliary functions for motor vehicles, automated and

IEEE SPECTRUM HAS RECEIVED SEVERAL HIGH-PROFILE HONORS FOR ITS 2006 SERIES ON RE-ENGINEERING IRAQ.



non-automated ground transport technologies, and land transportation. The IEEE Vehicular Technology Society is the publisher.

IEEE Computer Architecture Letters, a journal devoted specifically to the knowledge and advancement of computer architecture, emphasizes the most up-to-date, innovative and peer-oriented data in such related areas as computer systems, architecture, micro-architecture and workload characterization, among others. It is published by the IEEE Computer Society.

IEEE Transactions on Information Forensics and Security, which is published by the IEEE Signal Processing Society, covers current research on the fundamental contributions and the mathematics behind information forensics, information security, surveillance and systems applications that incorporate these features.

Also in 2006, six new publications were being readied for introduction in 2007. The five print titles are: *IEEE Transactions on Biomedical Circuits and Systems*; *IEEE Nanotechnology Magazine*; *IEEE Systems Journal*; *IEEE Journal of Selected Topics in Signal Processing*; and *IEEE Industrial Electronics Magazine*. The sixth, *IEEE Transactions on Network and Service Management*, will only be available online.

IEEE Spectrum Marks 2006 with Multimedia Successes, Editorial Honors

Can a print magazine create a multimedia experience for its readers? In 2006, important enhancements to *IEEE Spectrum Online* increased its usefulness to members and other technology professionals around the world.

Besides exploring print issues of *IEEE Spectrum*, readers can now access a growing number of audio podcasts produced by the writers and editors of the magazine, as well as obtain articles and features that are available only online. *Spectrum Online's* new "TechInsider" Webinars – available exclusively to IEEE members – are live one-hour presentations from industry experts exploring technology developments and trends. Topics have included design automation, convergence, and the impact of mobile devices on network security, among others.

The overhaul of *IEEE Spectrum* and the 2004 relaunch of *Spectrum Online* were cited in 2006 when *Folio Magazine* named *IEEE Spectrum* Editor-in-Chief Susan Hassler one of the "40 Most Influential People in the Industry." *Folio* is a U.S.-based trade publication read by magazine publishing executives worldwide.

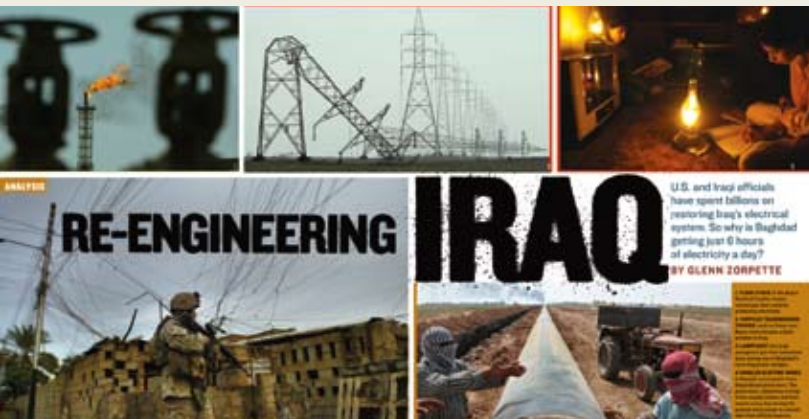
IEEE Spectrum received multiple high-profile honors for its series in the February and March 2006 issues on re-engineering Iraq. American Business Media's Jessie H. Neal National Business Journalism Awards presented three recognitions for editorial excellence for the articles by executive editor Glenn Zorpette. He won a 2007 Neal Award and the 2007 Grand Neal Award from the competition's more than 1,000 entries. Zorpette also received the 2007 McAllister Editorial Fellowship, given annually to an editor to promote the study of business media. In addition, the Society of National Association Publications (SNAP), a U.S. organization of not-for-profit organization publishers, presented 2007 Gold EXCEL awards to Zorpette's Iraq article in the February 2006 issue and to the "Technology and Terrorism" special issue in September 2006. The IEEE sponsored Zorpette's two-week visit to Iraq in late 2005.

The series of articles on re-engineering Iraq also was one of five nominees in the Reporting category of the prestigious U.S. National Magazine Awards. Other nominees were *Esquire*, which won, as well as *Fortune*, *Rolling Stone* and *Time*.

Helping Members and Others to Continue Learning

For engineers and other technical professionals who want to advance their careers, access to continuing education is a top priority. In 2006, the IEEE offered a wide range of learning opportunities, including short courses at conferences and Section meetings, education offerings from IEEE Societies, partnerships with universities and professional training organizations, certificate programs, online learning resources and much more. Many of these IEEE education experiences offer Continuing Education Units (CEU) and Professional Development Hours (PDH).

IEEE Expert Now is a collection of engaging and highly interactive one-hour, online courses gleaned from educational offerings initially presented at IEEE conferences and workshops. In 2006, the program grew to 60 courses, ranging from artificial intelligence to vehicular technology. Another 37 are scheduled to be added by the end of 2007. Formerly accessible only to employees of companies that subscribed to the collection, in 2006 *IEEE Expert Now* became available to individual IEEE members, who can purchase access to single modules at a special rate.



membership development

Above, from left: IEEE Spectrum's "Technology and Terrorism" special issue in September 2006 was recognized with a Gold award by the U.S. Society of National Association Publications. "Re-engineering Iraq," a two-part series in February and March 2006 (March cover shown above center) received multiple high-profile honors. Right: A pilot study conducted with the University of Michigan, USA, shows that a Sandia National Laboratories handheld device determined in minutes – from a tiny saliva sample – whether a patient has gum disease and how advanced it is. Other potential applications range from better diagnosing prostate and breast cancer, to detecting biotoxins and other markers to measure exposure to biological agents. (Courtesy of Sandia National Laboratories)

The IEEE Education Partners Program (EPP), available exclusively to IEEE members, grew significantly in 2006 and now offers more than 7,500 courses, seminars and graduate degree programs either online or on campus at a 10 percent discount. The 26 current EPP providers are a select group of universities and companies that have been reviewed and approved by qualified IEEE experts, ensuring that members have access to high-quality learning resources. Providers include Polytechnic University, Stevens Institute of Technology, Knowledge Master Inc., and Inquestra Learning.

IEEE Standards in Education is a Web portal that provides instructional resources to assist in teaching technical standards in universities. The site includes discussions on the history and uses of standards, tutorial modules and case illustrations, a glossary and a guide to standards development bodies around the world. The Web site was developed by a team of IEEE authorities on education and standards. In addition to the portal, at least one pilot workshop for working professionals on the 802 family of IEEE standards is planned during 2007.

IEEE-USA offers more than 30 online courses in partnership with AchieveGlobal to help members with the "soft skills" needed to succeed in the workplace. Modules include how to manage priorities and how to listen effectively and are available exclusively to IEEE members at a discount.



Local Efforts Help to Boost 2006 IEEE Membership

An increased local emphasis on membership development during 2006 helped IEEE membership to grow to 374,767 by year's end. This was a two percent increase over 2005 and was driven by gains in Region 3 (Southeastern U.S.) as well as all the non-U.S. Regions. These are: Canada (Region 7), Europe/Middle East/Africa (Region 8), Latin America (Region 9), and Asia and the Pacific Rim (Region 10).

At the close of 2006, Region 10 remained the IEEE's largest region, with 67,442 members. Region 8, with 60,856 members, became the IEEE's second largest. Also at year-end, members from outside the U.S. constituted 42.4 percent of the total organization, up from 40.6 percent in 2005.

Reversing a four-year trend, total higher-grade memberships – that is, all those at Member level and higher – exceeded 2005. In addition, the number of IEEE Student Members established a new record high, with 80,491 in this category, an increase of nine percent.

Although society memberships declined an overall 2.5 percent in 2006, an impressive 20 of the IEEE's 39 societies actually increased their memberships. The IEEE Intelligent Transportations Systems Society, which was formed in 2004, continued to grow with an 8.9 percent gain. The IEEE Power Electronics Society grew 6.2 percent.

The percentage of female IEEE members increased slightly. Women now comprise 9.2 percent of the total IEEE membership.

Eight new IEEE sections were formed last year, four of them in China, and one each in Estonia, Japan, Malta and Oman. At year's end, there were 319 sections to facilitate local communications and activities for members.



Thousands Attend Record 540 IEEE Conferences

Thousands of IEEE members and other technical professionals continue to reinforce the value of IEEE conferences. In 2006, these individuals attended a record 540 conferences sponsored entirely or in part by the organization.

The following are just a few of the 2006 conferences:

- > The 2006 IEEE International Symposium on Electronics and the Environment (ISEE) in May in San Francisco drew more than 300 engineers and other technical professionals interested in environmental design, manufacturing, emerging technologies and recycling. Barbara Karn of the U.S. Environmental Protection Administration discussed how the new field of nanotechnology offers opportunities to simultaneously develop sound environmental practices. The annual event is co-sponsored by the IEEE Computer Society's Electronics & the Environment Committee and the International Association of Electronics Recyclers.
 - > Hangzhou, which is one of the ancient capitals of China, was the location of the 2006 Asian Solid-State Circuits Conference. More than 260 attended the November meeting, which was the second such conference held in Asia where they heard presentations ranging from the Korean IT next-generation infrastructure test bed to China's Semiconductor Manufacturing International Corporation. The event is sponsored by the IEEE Solid-State Circuits Society.
 - > After Hurricane Katrina forced the IEEE Power Engineering Society to cancel its annual Power and Distribution Conference & Exposition in October 2005 in New Orleans, more than 11,000 power engineers attended the 2006 meeting in May in Dallas. This was the highest attendance in recent years.
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- Above, left: The opening plenary session of the 2006 Asian Solid-State Circuits Conference, Hangzhou, China, was attended by (from left) IEEE Senior Member Chong-Kuang Wang of National Taiwan University and chair of the conference steering committee; IEEE Member Ke Gong, president of Tianjin University, China, and conference chair; and IEEE Fellow Richard C. Jaeger of Auburn University, Alabama, USA, and IEEE Solid-State Circuits Society president. Right: New techniques for recycling electronics hardware were high on the agenda at the 2006 International Symposium on Electronics and the Environment in San Francisco.*
- > The first international conference on biomedical robotics and biomechatronics took place in February in Pisa, Italy. Called BioRob 2006, the event included various sessions on biorobotics – an emerging, interdisciplinary field that blends robotics and biomedical engineering. More than 350 engineers, scientists and physicians attended. The event was co-sponsored by the IEEE Robotics and Automation Society and the IEEE Engineering in Medicine and Biology Society.
 - > The 2006 Conference on Computer Communications (INFOCOM), sponsored by the IEEE Communications Society, celebrated its 25th anniversary year in April in Barcelona, Spain. Almost 800 engineers and other professionals heard three keynote speakers: Leonard Kleinrock, who created the basic principles of packet switching, which supports the Internet; Imrich Chlamtac, president of Europe's CREATE-NET network of European universities and research organizations, and Charles E. Perkins of Nokia's Network Technology Laboratory.

operations

New Business Management System to Launch in Third Quarter

It will revolutionize IEEE operations – but only a part of it will be visible to IEEE members and other technical professionals. "It" is the new Business Management System (BMS), one of the largest and most significant projects in IEEE history. In 2006, more than 200 employees collaborated on creating the new system, which as of mid-2007, was on target for initial implementation during the third quarter of the year.

This new BMS represents a fundamental rethinking and redesign of the IEEE's core business systems, combining information from a variety of databases to provide a comprehensive view of the interconnection of IEEE operations, members and customers. It is expected to significantly enhance IEEE operations and member convenience. Whether people contact the IEEE to join, renew memberships, purchase articles, subscribe to publications, or for many other reasons, the launch of the new system sets the stage to enable even more timely and thorough service to almost anyone who deals with the IEEE.