

A Look at CE Society Publications

By Stuart Lipoff

If you are reading this article, you are already aware that we publish our excellent *IEEE Consumer Electronics Magazine*. However, you may not be aware that your IEEE Consumer Electronics (CE) Society membership entitles you to electronic access via *IEEE Xplore* to the content of many other CE Society-sponsored publications.

The purpose of this new column is to make you aware of these additional publications and to keep you updated on news and activities in this area. As you will see, access to some of these publications is included in your basic dues while other publications are available for an additional subscription fee, discounted for CE Society members. Additional information about subscription prices and the scope of coverage of these publications is posted online at <http://pubs.ieee-cesoc.org>.

CE SOC WORLD— THE CE SOCIETY eZINE

Before the introduction of *IEEE Consumer Electronics Magazine*, most Society news was delivered in a newsletter. After the transition to a full magazine, we felt that there was a need for a more regular update on Society events, activities, and general news/communications with our members. Thus, at the end of each month, we e-mail our eZine, *CE Soc World*, to all of our members.

This e-mail eZine features the table of contents of our flagship publications, our conference schedule, and general information about Society activities. The

main purpose of *CE Soc World* is to make you aware of content published in our flagship publications in the event you find something of interest you want to retrieve from *IEEE Xplore*. It also carries announcements, calls for papers, and other timely messages we wish to communicate to our Society Members.

As vice president of publications, I currently run and manage *CE Soc World*. Please contact me if you wish to provide messages or announcements to our membership.



Authors of enhanced conference papers are required to cite their actual conference paper in their enhanced *T-CE* paper to specifically explain the further contributions made in the enhanced paper compared to the conference paper.

CORE MEMBERSHIP PUBLICATIONS

The IEEE CE Society has two flagship publications that Members have unlimited electronic access to via *IEEE Xplore*.

IEEE TRANSACTIONS ON CONSUMER ELECTRONICS

IEEE Transactions on Consumer Electronics (T-CE) publishes four issues per year on the latest research in the field of CE applicable to the scope of the

journal. However, the May issue is reserved for enhanced papers that authors have submitted from those presented at the annual IEEE International Conference on Consumer Electronics. Enhanced papers from other IEEE CE Society conferences may be submitted at any time. Authors of enhanced conference papers are required to cite their actual conference paper in their enhanced *T-CE* paper to specifically explain the further contributions made in the enhanced paper compared to the conference paper.

Timeliness of the dissemination of technical papers is of paramount concern in the ever-changing environment of CE. *T-CE* also has the fastest submission to e-publication time in the IEEE for nonletters. Previous issues of the *T-CE* can be accessed via *IEEE Xplore*.

The latest (2014) impact factor for this journal is 1.157. The acceptance ratio is currently 15%, and the average delay from submission to posting on *IEEE Xplore* is four months. The scope of *T-CE* is “The engineering and research aspects of the theory, design, construction, manufacture or end use of mass market electronics, systems, software and services for consumers.”

This journal includes IEEE open-access. Open access details are sent to authors who have had their papers accepted. Authors should note that the submission deadlines are 1 January (for the February issue), 1 April (for the May issue), 1 July (for the August issue), and 1 October (for the November issue), although papers can be submitted at any time.

IEEE CONSUMER ELECTRONICS MAGAZINE

IEEE Consumer Electronics Magazine is also published quarterly—in January (winter), April (spring), July (summer), and October (fall). Content can be submitted for peer review at <https://mc.manuscriptcentral.com/cemag>.

The mission statement of *IEEE Consumer Electronics Magazine* is to educate, inform, and entertain our members on technology, events, industry news, and general topics relating to CE. We also strive to further serve and support our members in professional career development through tutorials and by raising awareness of engineering tools and technologies. However, if you are reading this, you already know more about *IEEE Consumer Electronics Magazine* than I can put down in this short article.

A hard copy of the publication is also mailed quarterly to all members. Past issues of the magazine are also available on the IEEE *Xplore* digital library.

IEEE RFID VIRTUAL JOURNAL

IEEE virtual journals (VJs) are a new addition to the IEEE *Xplore* digital library. Each VJ contains a collection of previously published IEEE papers in specific scientific and technical disciplines, paired with value-added commentary from technology experts. These papers are selected based on their relevance to the topic by an editorial team knowledgeable in their respective fields. IEEE VJ subscribers can seamlessly access full-text articles from the source journals without having to subscribe to each individual journal.

The *RFID-VJ* is an advanced online reference catering specifically to the needs of IEEE Members interested in the design of radio frequency (RF) and microwave integrated circuits and systems. Each quarterly issue features a rich editorial guide to the development of RF identification (RFID) technologies, highlighting the advances of the highest technical significance from *IEEE Transactions on Circuits and Systems*, *IEEE Journal of Solid State Circuits*, and *IEEE Transactions on Microwave Theory and Techniques* archives. Whether you are an experienced RFID designer looking for a

high-quality reference or a junior engineer looking to design your first RF circuits, the *RFID-VJ* is the place to go for a concise overview of RFID technologies.

CE Society members have unlimited electronics access to the *RFID-VJ* as part of their membership package.

AFFILIATED PUBLICATIONS WITH CE SOCIETY MEMBER DISCOUNT

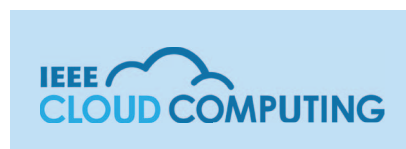
In addition to our flagship publications and eZine, we have joint agreements with other Societies to offer affiliated publications to our CE Society members. We provide financial support to these journals and a varied degree of editorial and management responsibilities in steering editorial policy. Each of these affiliated publications represents developing foundation technologies that are of increasing interest to our Members who design consumer electronics products, services, and technology. If you are looking to dive into the subject matter of these publications, we invite you to explore a subscription to these publications at the CE Society member discount rate:

- ▼ *IEEE Transactions on Affective Computing*
- ▼ *IEEE Transactions on Autonomous Mental Development*
- ▼ *IEEE Biometrics Compendium*
- ▼ *IEEE Transactions on Cloud Computing*
- ▼ *IEEE Cloud Computing Magazine*
- ▼ *IEEE Transactions on Computational Intelligence and Artificial Intelligence in Games*
- ▼ *IEEE/Optical Society of America Journal on Display Technology*
- ▼ *IEEE Transactions on Haptics*
- ▼ *IEEE Transactions on Computational Imaging* (new for 2015).

FEATURED AFFILIATED PUBLICATIONS

Over the next few issues of this magazine, the column will provide more information on these affiliated publications with an emphasis on why these publications should be of interest to stakeholders in the CE industry. Details on subscribing to these and all our publications is available at <http://pubs.ieee-cesoc.org>.

This issue will feature two publications—*IEEE Transactions on Cloud*



Computing and IEEE Transactions on Autonomous Mental Development.

IEEE TRANSACTIONS ON CLOUD COMPUTING

IEEE Transactions on Cloud Computing, launched in 2013 as a quarterly journal, has made excellent progress and established itself as one of the best venues for the dissemination of fundamental and innovative research results in cloud computing. The scope of the publication covers cloud security, cloud standards, cloud development tools, cloud data analytics, cloud communications protocols, and mobile cloud applications. These applications are becoming of increasing interest to the consumer electronics field because the integration of mobile phones, sensors, and cloud computing environments is enabling the delivery of smart application services to consumers on demand.

IEEE TRANSACTIONS ON AUTONOMOUS MENTAL DEVELOPMENT

The scope of *IEEE Transactions on Autonomous Mental Development* covers



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local communities on LANs or proprietary networks. The Internet was, as the name implies, the internetworking of these local communities. The ability to reach distant computers was so exciting that it seemed to be the only purpose of the connectivity. As a result, to many, Web access is the Internet.

#APIFirst shifts the emphasis back to the enabling technologies and peer connectivity, where connecting to local devices is as much if not more important than reaching distant sites. After all, this concept of locality is fundamental to system design and nature itself. The light bulb you care about is the one next to you, not the

one 1,000 km away. Such remote access may be the exception, but if you are expecting a plumber while on vacation, you want to have the option of letting the plumber in.

The Web has brought the Internet to the forefront of society. We are now ready to build on this infrastructure and rediscover the power of peer connectivity. Today's Internet policies have been centered on the idea of accessing Web pages and content delivery. Connected devices will shift the emphasis to local connectivity and peer relationships.

Just as it took a decade to start to discover the potential of the Web, we

are at the beginning of understanding the world of connected devices—the promises and the challenges.

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- [3] JSON-LD. JSON for linking data. [Online]. Available: <http://json-ld.org>
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Publications Round-Up (continued from page 30)

research on theories, computational models, and engineering applications of autonomous mental development, such as mechanisms enabling highly complex capabilities by robots and other artificial systems. This is becoming of increasing interest to the CE field because of the importance of designing cognitive capabilities (e.g., speech communication, models of users' emotion, intelligent

sensing and control, and adaptive autonomy) in current interactive digital systems (e.g., consumer robots and the vision, gesture, and speech recognition systems in smartphones and wearable computing).

CONCLUSION

I hope you enjoyed my first edition of "Round-Up." If you have suggestions or

thoughts on what we can do better with our publications in the IEEE CE Society, please write to me and let me know. In the end, my role is to serve our Members and I welcome new suggestions and ideas to make our services and resources better fit your needs.



IP Corner (continued from page 85)

The lesson, dear reader? Well, I guess there are a few here. First, it seems that pretty much all Chinese patents are now available in machine-translated English—thanks to Google. Second, there are an awful lot of them, but on the positive side, the majority, at least in the field that I was reviewing, have such lengthy and complex claims that they can be safely ignored. And finally, next time your

patent attorney circulates an e-mail that he's got you another patent allowance, don't just congratulate him—take a look at the allowed claims.

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