CALLS FOR IEEE CS PUBLICATIONS

IEEE Internet Computing seeks original articles for a special November/December 2003 issue on identity management. Topics include, but are not limited to: authentication techniques; federated identity management; access management policies and systems; e-provisioning; integrating identity with Web services; single sign-on; digital certificates; public-key infrastructure; password reset and synchronization; directories and metadirectories; and emerging standards. Submit articles by 1 Apr. Guest editors are Duncan Buell, University of South Carolina, and Ravi Sandhu, George Mason University. For detailed author guidelines, see www.computer.org/internet/call4ppr.htm. For more information, contact the magazine assistant, internet@computer.org.

IEEE Software seeks original articles for a special November/December 2003 issue on the state of the practice of software engineering. The issue will present an accurate, baseline view of practice on which other practitioners, and software engineering researchers, can build. The issue will describe current practice, not judge it. The issue will not, for example, focus on “best practices.” Submissions must present information that accurately characterizes software engineering as currently practiced. Surveys, for example, are appropriate; case studies, unless their findings can be generalized to a broad spectrum of practice, are not. Studies of particular domains of practice are welcome. The issue will consist of contributed papers as well as invited articles from people intimately familiar with software practice. Submission deadline is 15 April. Guest editor: Robert Glass, rlglass@acm.org. Submit articles to http://cs-ieee.manuscriptcentral.com.

IEEE Transactions on Information Technology in Biomedicine will feature a special issue on mHealth: emerging mobile technologies for health applications. The field of mHealth is concerned with the development, dissemination, and use of mobile information and telecommunication technologies in healthcare.

Potential topics include Web-based mobile medical systems, 2.5G/3G mobile systems and ad-hoc networks, sensors and signal processing for mHealth applications, space telemedicine and satellite applications, and standardization, regulation, and legal issues. Guest editors are Robert S. H. Istepanian from Brunel University, Emil Jovanov from the University of Alabama in Huntsville, and Yuanting Zhang from the Chinese University of Hong Kong. The full call for papers, including manuscript guidelines, is available at www.vtt.fi/tee/samba/projects/titb/. The submission deadline is 30 August.

IEEE Transactions on Information Technology in Biomedicine, now cosponsored by the IEEE Computer Society, features topics such as biomedical engineering, virtual reality applications for surgery, ethical issues in biomedical applications, and visualization and biomedical imaging.


IEEE Pervasive Computing seeks papers focusing on hardware technology, software infrastructure, real-world sensing and interaction, human-computer interaction, or systems considerations. Papers should range from 4,000 to 6,000 words (tables and figures count as 250 words each). For more information, see www.computer.org/pervasive/author.htm or send e-mail to pervasive@computer.org.

OTHER CALLS


SCAM 2003, 3rd IEEE Int’l Workshop on Source Code Analysis & Manipulation, 27 Sept., Amsterdam. Sub-
Call for Articles for Computer

Mobile computing devices are appearing in many forms and with increasingly diverse functions: personal digital assistants such as PalmOS organizers and PocketPCs, handheld games like GameBoys, mobile phones, digital audio players, and smart cameras. These are being augmented with ever-increasing capabilities that cross function boundaries.

The September 2003 issue of Computer will be devoted to handheld computing. We are soliciting papers that provide a perspective on all aspects of the field: infrastructure technologies, devices, middleware, and applications. There are opportunities for short and long papers, providing a forum for reporting on both early and mature research. We also wish to solicit descriptions of the experiences with handheld technology in existing products and services. Topics of interest include new services enabled by mobile technologies, middleware support for mobile devices, novel functions for handheld devices, user interfaces and interaction techniques for small devices, wireless-phone computing, and handheld applications, particularly in nontraditional settings.

Send inquiries to Guest Editors Brad Myers, Carnegie Mellon University (brad.myers@cs.cmu.edu) and Michael Beigl, University of Karlsruhe (michael@teco.edu). Submit .pdf or Microsoft Word documents by 15 May to computer-ma@computer.org.

Computer seeks articles for a February 2004 special issue on ad hoc networking. The guest editors are Jie Wu from Florida Atlantic University, and Ivan Stoˇjmenovic from the University of Ottawa.

Wireless network and mobile computing research has traditionally concentrated on single-hop networks, such as cellular and satellite systems, wherein network nodes communicate directly to a fixed infrastructure. Ad hoc networking covers multi-hop scenarios—wherein network nodes communicate via other network nodes—such as conference, hospital, battlefield, rescue, and monitoring situations. Ad hoc network systems also include packet radio networks, sensor networks, personal communication systems, rooftop networks, and wireless local area networks. Even multi-hop cellular networks may be viable when many cellular phones are concentrated in a small area such as a sports stadium.

This special issue will cover data-link, network, and transport layers of ad hoc networks, as well as security, simulation, and power management issues in sensor, local area, personal, and mobile ad hoc networks. Topics also include medium-access control based on IEEE 801.11 and Bluetooth; position discovery and management in ad hoc networks; and clustering, routing, broadcasting, multicasting, quality of service, topology construction, and maintenance in ad hoc networks.

Send inquiries to jie@cse.fau.edu and ivan@site.uottawa.ca. Send pdf files by 31 May to computer-ma@computer.org.

See http://computer.org/computer/author.htm for author guidelines.

16-18 Apr: Cool Chips VI, Yokohama, Japan. www.coolchips.org


JUNE 2003


1-4 June: Southwest Test Workshop, Long Beach, Calif. www.swtest.org


9-11 June: ISCA 2003, 30th Int'l Symp. on Computer Architecture (with FCRC), San Diego, Calif. www.cs.nyu.edu/isca03/


Computer Society Online

For more information on calls for papers, conferences, workshops, and symposia, check our full listing online at www.computer.org/conference/calendar.htm. For detailed access information, send query to online.access@computer.org.


24-26 June: ASAP 2003, IEEE 14th Int'l Conf. on Application-Specific Systems, Architectures, & Processors, Leiden, the Netherlands. www.ece.rice.edu/asap2003


JULY 2003


AUGUST 2003


SEPTEMBER 2003


OCTOBER 2003


6-10 Oct: ASE 2003, 18th IEEE Int'l Conf. on Automated Software Eng., Montreal, Quebec, Canada. www.ase-conference.org/


13-17 Oct: WI 2003, IEEE/WIC Int'l Conf. on Web Intelligence, Beijing, China. www.comp.hkbu.edu.hk/WI03/

13-17 Oct: IAT 2003, IEEE/WIC Int'l Conf. on Intelligent Agent Technology (with WI 2003), Beijing, China. www.comp.hkbu.edu.hk/IAT03/


