



CALLS FOR IEEE CS PUBLICATIONS

Recently, researchers have focused on data mining of the Web to discover useful, actionable knowledge about the Web and its users. For example, user behavior and usage patterns can be helpful in building and modifying adaptive interfaces and high-performance networks. *IEEE Intelligent Systems* is soliciting papers for a 2004 special issue on mining the Web for actionable knowledge. Suitable topics include Web information extraction and wrapping, adaptive Web sites, content personalization, and Web mining for searching, querying, and crawling. Papers are due **1 Dec.** For the complete call, visit www.computer.org/intelligent/cfp9.htm.

As the Web increasingly becomes a source of low-cost knowledge and information, companies and individuals are at risk of encountering and acting upon untrustworthy, or even fraudulent, data. Web users face significant challenges in differentiating high-quality data from that which is of questionable value.

How to efficiently identify quality knowledge from different data sources presents a significant challenge. To reveal the progress in the theory and principles underlying data and information cleaning and preprocessing, *IEEE Intelligent Systems* seeks original papers for a special issue on this theme. Relevant topics include data preparation and its theories, data preprocessing, data reduction, group data mining systems, and quality measurements. Submissions are due **1 Dec.** The complete call for papers is available at www.computer.org/intelligent/cfp12.htm.

Wireless grids are becoming a popular way of connecting users to one another and to other distributed resources. The growth of wireless services has led to new challenges in computing. For a 2004 special issue on wireless grids, *IEEE Internet Computing* seeks papers that address the technical, eco-

nomics, and policy issues that arise from their broadening application. Topics may include protocols for resource sharing, mobility management, security mechanisms, and the

impact of hot-spot meshes on wireless grids. Papers are due **2 Dec.** Submission guidelines and a full list of topics can be found at www.computer.org/internet/call4ppr.htm#v8n3.

Call for Articles for *Computer*

Computer seeks articles for a special issue on high-speed Internet security, to appear in June 2004. Guest editors are Simon Shim from San Jose State University, Li Gong from Sun Microsystems, Avi Rubin from the Johns Hopkins University, and Linley Gwennap from the Linley Group.

The growth of high-speed Internet service has strained the limits of existing network security measures. The CERT Coordination Center of the Software Engineering Institute at Carnegie Mellon University indicates that the number of reported security-breach incidents in the first half of 2003 climbed to 76,404—just under the 82,094 reported for the entire year of 2002.

Computer's special issue will focus on strategies for maintaining robust security standards in ever-faster network environments. Proposed topics include Internet security architecture, security servers, virtual private networks, grid computing security, and XML security, in addition to papers on original topics.

The deadline for papers is **5 January 2004**. Send inquiries to sishim@mail.sjsu.edu, li.gong@sun.com, rubin@jhu.edu, and linleyg@linleygroup.com.

Distributed systems of embedded smart sensors and actuators promise unprecedented capabilities for the instrumentation and monitoring of the physical world. Sensors can monitor many types of information: temperature, vibration, air pressure, chemicals, even voice and video data. Proponents envision a host of novel applications for sensor networks, from earthquake structural failure analysis to rainforest habitat research. The small and many characteristics of sensor networks have fostered a wave of research innovation in disciplines that have previously been focused on computing and networking at a much larger scale. This interest is driven by the vision that, like the Internet, large-scale distributed networks of sensors will pervade the world but at a physical, rather than virtual, level.

The August 2004 issue of *Computer* will be devoted to sensor networks. *Computer* is soliciting papers that provide a perspective on all aspects of the field: hardware, architectures, wireless communication, networking, middleware, application development, applications, and experience. There are opportunities for short and long papers, providing a forum for reporting on both early and mature research. *Computer* also is soliciting descriptions of sensor network technology in existing products and services. Topics of particular interest include sensor network architectures; sensor node hardware; networking; low-power protocols and services; distributed algorithms; data query, dissemination, routing, and fusion; novel applications and services; application development tools; and deployment experiences.

Send inquiries to guest editors David Culler, University of California, Berkeley (culler@eecs.berkeley.edu); Mani Srivastava, University of California, Los Angeles (mbs@ee.ucla.edu); and Deborah Estrin, University of California, Los Angeles (destrin@cs.ucla.edu). Submissions due **2 February 2004**.

Submission guidelines are available at www.computer.org/computer/author.htm. Submit manuscripts at <http://cs-ieee.manuscriptcentral.com/>.

OTHER CALLS

DSN 2004, Int'l Conf. on Dependable Systems & Networks, 28 June-1 July 2004, Florence, Italy. Workshop submissions and tutorials due 12 Jan. 2004. www.dsn.org

ICPADS 2004, 10th Int'l Conf. on Parallel & Distributed Systems, 7-9 July 2004, Newport Beach, Calif. Papers due 12 Jan. 2004. www.cacs.louisiana.edu/icpads2004/

DDECS 2004, 7th IEEE Workshop on Design & Diagnostics of Electronics Circuits & Systems Workshop, 18-21 Apr. 2004, Tatranská Lomnica, Slovakia. Submissions due 19 Jan. 2004. www.ui.savba.sk/DDECS2004/

NATW 2004, IEEE 13th North Atlantic Test Workshop, 13-14 May

2004, Essex Junction, Vt. Papers due 7 Feb. 2004. www.ee.duke.edu/NATW/

ICALT 2004, 4th IEEE Int'l Conf. on Advanced Learning Technologies, 30 Aug.-1 Sept. 2004, Joensuu, Finland. Papers due 13 Feb. 2004. <http://littf.ieee.org/icalt2004>

ATS 2004, 13th Asian Test Symp., 15-17 Nov. 2004 Kenting, Taiwan. Papers due 15 Apr. 2004. <http://ats04.ee.nthu.edu.tw/~ats04/>

CALENDAR

DECEMBER 2003

1-4 Dec: Cluster 2003, IEEE Int'l Conf. on Cluster Computing, Hong Kong. www.csis.hku.hk/cluster2003/

2-4 Dec: SEW 28, 28th Ann. IEEE/NASA Software Eng. Workshop, Greenbelt, Md. <http://sel.gsfc.nasa.gov>

3-5 Dec: RTSS 2003, 24th IEEE Int'l Real-Time Systems Symp., Cancun, Mexico. <http://rtss2003.ece.cmu.edu/>

3-5 Dec: CW 2003, Int'l Conf. on Cyberworlds, Singapore. www.ntu.edu.sg/sce/cw2003

3-5 Dec: MICRO-36, 36th Ann. IEEE/ACM Int'l Symp. on Microarchitecture, San Diego, Calif. www.microarch.org/micro36/

10-12 Dec: MSE 2003, 5th Int'l Symp. on Multimedia Software Eng., Taichung, Taiwan. <http://mse2003.ece.uci.edu>

14-17 Dec: ISSPIT 2003, IEEE Int'l Symp. on Signal Processing & Information Technology, Darmstadt, Germany. www.isspit2003.com

17-20 Dec: HiPC 2003, 10th Int'l Conf. on High Performance Computing, Hyderabad, India. www.hipc.org

JANUARY 2004

19-22 Jan: MDM 2004, 5th Int'l Conf. on Mobile Data Management, Berkeley, Calif. www.cs.duke.edu/mdm2004

28-30 Jan: DELTA 2004, IEEE Int'l Workshop on Electronic Design, Test, & Applications, Perth, Australia. <http://delta2004.ecu.edu.au>

FEBRUARY 2004

14-15 Feb: SLIP 2004, 6th Int'l Workshop on System-Level Interconnect Prediction, Paris. www.sliponline.org

14-18 Feb: HPCA-10, 10th Int'l Symp. on High-Performance Computer Architecture, Madrid, Spain. www.ac.uma.es/hpca10/

SAINT 2004

Researchers, educators, and students interested in the free-flowing exchange of information over the Internet will gather in Tokyo from 26 to 30 January 2004 for the 2004 Symposium on Applications and the Internet. In addition to providing keynote speeches from leading names in the field of Internet computing, conference organizers are offering a broad array of tutorials and workshops. Tutorials will be offered in both English and Japanese. Scheduled workshops include "IPv6: Technology and Deployment," "Metadata Applications on the Broadband Network," "Service-Oriented Computing," and "High-Performance Grid Computing and Networking."

Conference registration fees are \$520 for IEEE Computer Society professional members, \$360 for student members. The closing date for advanced registration is 6 January 2004. For more information, see www.saint2004.org.

HICSS 2004

Since 1968, the Hawaii International Conference on System Sciences (HICSS) has been a forum for the interchange of ideas in all areas of information systems and technology. Scheduled for 5 to 8 January 2004 in Waikoloa, Hawaii, the 37th annual conference is organized into nine tracks, including Collaboration Systems and Technology, Information Technology in Health Care, and Organizational Systems and Technology. Ian Foster, head of the Mathematics and Computer Science Distributed Systems Lab at Argonne National Laboratory, and Retired US Marine Corps General H. C. "Hank" Stackpole, president of the Asia-Pacific Center for Security Studies, are the scheduled keynote speakers.

Regular registration (\$545 for society members) closes 10 December. For more information on HICSS 2004, visit www.hicss.hawaii.edu/.

16-20 Feb: DATE 2004, Design, Automation & Test in Europe, Paris. www.date-conference.com/

19-20 Feb: ISVLSI 2004, Int'l Symp. on VLSI, Lafayette, La. www.cacs.louisiana.edu/isvlsi/

23-25 Feb: Preclinical Development Forum, "Designing & Selecting Drug Candidates for Clinical Success," Cambridge, Mass. www.lifesciencesinfo.com/pdf

MARCH 2004

3-5 Mar: PRDC 2004, 10th Pacific Rim Int'l Symp. on Dependable Computing, Papeete, Tahiti. www.laas.fr/PRDC10

14-17 Mar: PerCom 2004, IEEE Int'l Conf. on Pervasive Computing & Comm., Kissimmee, Fla. www.percom.org

20-24 Mar: CGO 2004, Int'l Symp. on Code Generation & Optimization, San Jose, Calif. www.cgo.org

23-25 Mar: WMTE 2004, 2nd IEEE Int'l Workshop on Wireless & Mobile Technologies in Education, Taoyuan, Taiwan. <http://lutf.ieee.org/wmte2003/>

23-26 Mar: ICDCS 2004, 24th Int'l Conf. on Distributed Computing Systems, Tokyo. www.cis.ohio-state.edu/icdcs04/

25-26 Mar: HASE 2004, IEEE 8th Int'l Symp. on High-Assurance Systems Eng., Tampa, Fla. <http://hasrc.csee.wvu.edu/hase04/>

27-31 Mar: VR 2004, IEEE Virtual Reality 2004 Conf. (with Haptics 2004), Chicago. www.VR2004.org

28-29 Mar: RIDE WS-ECEG 2004, 14th Int'l Workshop on Research Issues on Data Eng., Boston. <http://europa.nvc.cs.vt.edu/ride04/>

28-30 Mar: SSIAl 2004, IEEE Southwest Symp. on Image Analysis & Interpretation, Lake Tahoe, Nev. www.ee.ttu.edu/Conferences/SSIAI2004

29-31 Mar: EEE 2004, IEEE Int'l Conf. on e-Technology, e-Commerce, & e-Service, Taiwan. <http://bikmrdc.lm.fju.edu.tw/eee04>

29-31 Mar: AINA 2004, 18th Int'l Conf. on Advanced Information Networking & Applications, Fukuoka, Japan. www.takilab.k.dendai.ac.jp/conf/aina/2004/

30 Mar.-2 Apr: ICDE 2004, 20th Int'l Conf. on Data Eng., Boston. www.cse.uconn.edu/icde04/

APRIL 2004

4-7 Apr: ITSW 2004, 11th IEEE Int'l Test Synthesis Workshop, Santa Barbara, Calif. <http://cadlab.ece.ucsb.edu/~itsw/ITSW.html>

5-7 Apr: ITCC 2004, 5th Int'l Conf. on IT, Las Vegas, Nev. www.itcc.info

14-16 Apr: COOL CHIPS VII, Int'l Symp. on Low-Power & High-Speed Chips, Yokohama, Japan. www.coolchips.org/

18-21 Apr: DDECS 2004, 7th IEEE Workshop on Design & Diagnostics of Electronics Circuits & Systems Workshop, Tatranská Lomnica, Slovakia. www.ui.savba.sk/DDECS2004

19-22 Apr: CCGRID 2004, 4th IEEE/ACM Int'l Symp. on Cluster Computing & the Grid, Chicago. www.mcs.anl.gov/ccgrid2004

19-23 Apr: ASYNC 2004, 10th Int'l Symp. on Asynchronous Circuits & Systems, Hersonissos, Crete. www.async04.gr/

26-30 Apr: IPDPS 2004, 18th Int'l Parallel & Distributed Processing Symp., Santa Fe, N.M. www.ipdps.org

MAY 2004

10-13 May: ISEE 2004, Int'l Symp. on Electronics & the Environment, Scottsdale, Ariz. www.iseesummit.org

13-14 May: NATW 2004, IEEE 13th North Atlantic Test Workshop, Essex Junction, Vt. www.ee.duke.edu/NATW/

16-19 May: PADS 2004, 18th Workshop on Parallel & Distributed Simulation, Kufstein, Austria. www.pads-workshop.org/pads2004

19-22 May: ISMVL 2004, 34th Int'l Symp. on Multiple-Valued Logic, Toronto. www.eecg.utoronto.ca/~ismvl2004

23-28 May: ICSE 2004, 26th Int'l Conf. on Software Eng., Edinburgh, UK. <http://conferences.iee.org/icse2004/>

JUNE 2004

2-4 June: PBG 2004, Symp. on Point-Based Graphics, Zurich, Switzerland. <http://graphics.ethz.ch/PBG/>

23-25 June: IMSTW 2004, 10th IEEE Int'l Mixed Signals Test Workshop, Portland, Ore. www.ece.pdx.edu/imstw04/

Submission Instructions

The Call and Calendar section lists conferences, symposia, and workshops that the IEEE Computer Society sponsors or cooperates in presenting. Complete instructions for submitting conference or call listings are available at www.computer.org/conferences/submission.htm.

A more complete listing of upcoming computer-related conferences is available at www.computer.org/conferences/.