



### CALLS FOR IEEE CS PUBLICATIONS

Over the past ten years, Internet service providers have built out their networks to cope with what they perceive as steadily increasing user demands. Because of that rapid development, network measurement has tended to have lower priority than immediate network operations, deployment, and upgrade concerns.

For a 2004 special issue on measuring performance, *IEEE Internet Computing* invites researchers and practitioners to submit original works on Internet measurement, especially studies that involve open source or freely available tools and data from wide area networks. Suitable topics include Internet topology, routing system behavior, understanding protocol behavior, monitoring/management of large-scale backbones, and quality of service monitoring.

Submissions are due 2 Feb. The complete call for papers is available at [www.computer.org/internet/call4ppr.htm#v8n5](http://www.computer.org/internet/call4ppr.htm#v8n5).

### OTHER CALLS

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/](http://www.cacs.louisiana.edu/icpads2004/)

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](http://www.dsn.org)

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](http://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/](http://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://lutf.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/>

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

Send inquiries to the guest editors at [sishim@email.sjsu.edu](mailto:sishim@email.sjsu.edu), [li.gong@sun.com](mailto:li.gong@sun.com), [rubin@jhu.edu](mailto:rubin@jhu.edu), and [linleyg@linleygroup.com](mailto:linleyg@linleygroup.com).

*Computer* seeks articles for a special issue on sensor networks, to appear in August 2004. Guest editors are David Culler from the University of California, Berkeley, Mani Srivastava from the University of California, Los Angeles, and Deborah Estrin from the University of California, Los Angeles.

Distributed systems of embedded smart sensors and actuators promise unprecedented capabilities for the instrumentation and monitoring of the physical world including: 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 research 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.

*Computer's* special issue will focus 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.

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.

The deadline for papers is 2 February 2004. Submission guidelines are available at [www.computer.org/computer/author.htm](http://www.computer.org/computer/author.htm). Submit manuscripts at <http://cs-ieee.manuscriptcentral.com/>.

Send inquiries to the guest editors at [culler@eecs.berkeley.edu](mailto:culler@eecs.berkeley.edu), [mbs@ee.ucla.edu](mailto:mbs@ee.ucla.edu), and [destrin@cs.ucla.edu](mailto:destrin@cs.ucla.edu).

### CALENDAR

#### JANUARY 2004

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

26-30 Jan: SAINT 2004, Symp. on Applications & the Internet, Tokyo. [www.saint2004.org](http://www.saint2004.org)

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 Work-

shop on System-Level Interconnect Prediction, Paris. [www.sliponline.org](http://www.sliponline.org)

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

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

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

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

#### MARCH 2004

3-5 Mar: PRDC 2004, 10th Pacific Rim Int'l Symp. on Dependable Comp., Papeete, Tahiti. [www.laas.fr/PRDC10](http://www.laas.fr/PRDC10)

14-17 Mar: PerCom 2004, IEEE Int'l Conf. on Pervasive Comp. & Comm., Kissimmee, Fla. [www.percom.org](http://www.percom.org)

20-24 Mar: CGO 2004, Int'l Symp. on Code Generation & Optimization, San Jose, Calif. [www.cgo.org](http://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/](http://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](http://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](http://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/](http://www.takilab.k.dendai.ac.jp/conf/aina/2004/)

#### JSPW 2004

Researchers, practitioners, and students interested in all aspects of packaging technology, ranging from personal to high-performance systems, will gather in Hakone, Japan, from 2 to 4 February for the 2004 Japanese Systems Packaging Workshop. The workshop schedule includes a tour of the Earth Simulator Center in Yokohama, as well as a session on packaging technology for automobiles and robots. Workshop sessions will also address developments in packaging strategies for cellular phones and other consumer products.

Conference fees for Computer Society members are \$400 for registrations processed before 20 December. For more information, visit [www.ewh.ieee.org/soc/cpmt/tc14/J04announce.html](http://www.ewh.ieee.org/soc/cpmt/tc14/J04announce.html).

#### DATE 2004

Computing professionals from around the world will meet in Paris from 16 to 20 February for the Design, Automation, and Test in Europe conference and exhibition. Conference activities include themed workshops on new trends in multimedia and ultra low-power design. The DATE conference has traditionally offered a forum for designers as an integral part of the workshop schedule. This year, the forum will focus on automotive systems design applications. The 2004 exhibition is expected to feature more than 100 of the world's leading suppliers of design and automation tools.

Immediately preceding DATE 2004 in Paris is the 2004 System Level Interconnect Prediction workshop, which will focus on the modeling and prediction of usable properties of optimized interconnect systems.

For more conference and registration information, see [www.date-conference.com](http://www.date-conference.com).

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

#### APRIL 2004

4-7 Apr: ITSW 2004, 11th IEEE Int'l Test Synthesis Workshop, Santa Barbara, Calif. [www.tttc-itsw.org/](http://www.tttc-itsw.org/)

5-7 Apr: ITCC 2004, 5th Int'l Conf. on IT, Las Vegas, Nev. [www.itcc.info](http://www.itcc.info)

14-16 Apr: COOL CHIPS VII, Int'l Symp. on Low-Power & High-Speed Chips, Yokohama, Japan. [www.coolchips.org/](http://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](http://www.ui.savba.sk/DDECS2004)

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

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

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

#### MAY 2004

10-13 May: ISEE 2004, Int'l Symp. on Electronics & the Environment, Scottsdale, Ariz. [www.iseesummit.org](http://www.iseesummit.org)

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

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

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

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

24-27 May: ECBS 2004, 11th IEEE Int'l Conf. & Workshop on the Eng. of Computer-Based Systems, Brno, Czech Republic. [www.fit.vutbr.cz/events/ECBS2004/](http://www.fit.vutbr.cz/events/ECBS2004/)

#### JUNE 2004

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

7 June: CLADE 2004, Workshop on Challenges of Large Applications in Distributed Environments (with HPDC-13), Honolulu. [www.caip.rutgers.edu/clade2004/](http://www.caip.rutgers.edu/clade2004/)

7-9 June: POLICY 2004, IEEE 5th Int'l Workshop on Policies for Distributed Systems & Networks, Yorktown Heights, N.Y. [www.research.ibm.com/policy2004/index.html](http://www.research.ibm.com/policy2004/index.html)

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

24-25 June: CBMS 2004, 17th IEEE Symp. on Computer-Based Medical Systems, Bethesda, Md. [www.cvia.ttu.edu/Conferences/cbms2004/cbms2004.html](http://www.cvia.ttu.edu/Conferences/cbms2004/cbms2004.html)

24-26 June: IWPC 2004, 12th Int'l Workshop on Program Comprehension, Bari, Italy. <http://iwpc2004.di.uniba.it>

27-30 June: ICME 2004, Int'l Conf. on Multimedia & Expo, Taipei. [www.icme2004.org/](http://www.icme2004.org/)

28 June-1 July: DSN 2004, Int'l Conf.

on Dependable Systems & Networks, Florence, Italy. [www.dsn.org](http://www.dsn.org)

#### JULY 2004

6-9 July: ICWS 2004, IEEE Int'l Conf. on Web Services, San Diego, Calif. <http://conferences.computer.org/icws/>

6-9 July: CEC 2004, IEEE Conf. on E-Commerce, San Diego, Calif. <http://tab.computer.org/tfec/cec04>

7-9 July: ICPADS 2004, 10th Int'l Conf. on Parallel & Distributed Systems, Newport Beach, Calif. [www.cacs.louisiana.edu/icpads2004/](http://www.cacs.louisiana.edu/icpads2004/)

#### AUGUST 2004

19-20 Aug: ISESE 2004, Int'l Symp. on Experimental Software Eng., Redondo Beach, Calif. [www.isese.org](http://www.isese.org)

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

#### SEPTEMBER 2004

6-10 Sept: RE 2004, 12th IEEE Int'l Requirements Eng. Conf., Kyoto, Japan. [www.re04.org](http://www.re04.org)

#### 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](http://www.computer.org/conferences/submission.htm).

A more complete listing of upcoming computer-related conferences is available at [www.computer.org/conferences/](http://www.computer.org/conferences/).