



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/.

CALLS FOR IEEE CS PUBLICATIONS

By exploiting problem-specific characteristics, classical heuristic methods produce acceptable-quality solutions in modest computing times. *Metaheuristics* exploit not only the problem traits but also employ proven AI principles.

IEEE Intelligent Systems magazine plans a 2005 special issue on metaheuristic methods as applied to transportation and logistics. Topics of interest include evolutionary algorithms, adaptive-memory procedures, neural networks, and GRASP (Greedy Randomized Adaptive Search Procedures).

Submissions are due by **4 February**. Visit www.computer.org/intelligent/cfp15.htm for the complete call.

IEEE Pervasive Computing magazine seeks articles for a July-September 2005 special issue on the use of pervasive computing in sports in ways that enhance the experiences of players, spectators, and judges. The issue aims to address a wide range of sports, including single-player, multiplayer and large team sports, as well as activities ranging from track and field to indoor team sports and racing. The editors welcome papers that report on the challenges of system integration and deployment or describe actual user experiences.

Manuscripts are due by **14 February**. See the complete call at www.computer.org/pervasive/edcal0305.htm.

IEEE Design & Test magazine is seeking original manuscripts for a November/December 2005 special issue on 3D Integration. Topics include CAD methods that address the synthesis, placement, and routing of 3D designs and practical 3D integration technologies, including wafer stacking methods and IC technologies.

Additional topics of interest are architectural techniques that demonstrate the utility of 3D technology, architectural studies of caches, evaluations of single- and multicore systems, and the analysis of performance

enhancements gained by using 3D designs in place of 2D designs.

The guest editors also seek papers that address design techniques for thermal management.

Submissions are due by **20 February**. See the complete call at www.computer.org/dt/articles/cfp0605.htm.

An August/September 2005 special issue of *IEEE Intelligent Systems* aims to bridge the gap between data mining and bioinformatics. The guest editors seek papers that propose novel data mining techniques for challenges in areas that include the following: genomics, proteomics, and metabolomics; the diagnosis, prognosis, and treatment of diseases; drug design; systems biology; and the structure and function of proteins and RNA.

The deadline for submitting manuscripts is **7 March**. See the full call for papers at www.computer.org/intelligent/cfp14.htm.

IEEE Internet Computing invites contributions for a November/December 2005 special issue on security for P2P systems and ad hoc networks. Topics include key management, access control, secure MAC protocols, performance and security trade-offs, and denial of service.

Manuscripts are due by **1 April**. See the complete call at www.computer.org/internet/call4ppr.htm#v9n6.

For an October/November 2005 special issue on artificial intelligence and homeland security, *IEEE Intelligent Systems* is encouraging submissions of practical and novel AI technologies, techniques, methods, and systems. Submissions on all research areas relating to both AI and national or homeland security are welcome. Topics include bioterrorism tracking, alerting, and analysis; criminal data mining; deception detection systems; and crime and intelligence visualization.

Manuscripts are due by **1 April**. See the complete call at www.computer.org/intelligent/cfp16.htm.

2005 IEEE International Symposium on Electronics and the Environment

The 2005 IEEE International Symposium on Electronics and the Environment provides an opportunity for innovators in the electronics and electronics recycling industries to share operational and management strategies, business practices, and regulatory concerns.

This year's program will feature the latest in design, manufacturing, research, marketing, recycling practice, and policy making from world leaders in industry, academia, and government.

Conference organizers have also included a student poster competition in this year's slate of events.

ISEE 2005, set for 16-19 May in New Orleans, is presented by the IEEE Computer Society's Technical Committee on Electronics and the Environment, in conjunction with the International Association of Electronic Recyclers (IAER).

For more details, including exhibitor information, visit www.regconnect.com/content/isee/.

OTHER CALLS

NATW 2005, IEEE 14th North Atlantic Test Workshop, 11-13 May, Essex Junction, Vt. Papers due 2 Feb. www.ee.duke.edu/NATW/cfp05.htm

ICCI 2005, 4th IEEE Int'l Conf. on Cognitive Informatics, 8-10 Aug., Irvine, Calif. Papers due 7 Feb. www.enel.ucalgary.ca/ICCI2005

VL/HCC 2005, IEEE Symp. on Visual Languages & Human-Centric Computing, 21-24 Sept., Dallas, Texas. Papers due 6 Mar. <http://viscomp.utdallas.edu/vlhcc05/>

HASE 2005, 9th IEEE Int'l Symp. On High-Assurance Systems Eng., 12-14 Oct., Heidelberg, Germany. Papers due 15 Mar. <http://hase.informatik.tu-darmstadt.de/submit/>

ISESE 2005, ACM-IEEE 4th Int'l Symp. on Empirical Software Eng., 17-18 Nov., Noosa Heads, Australia. Papers due 4 Apr. <http://attend.it.uts.edu.au/isese2005/cfp.htm>

ICDM 2005, 5th IEEE Int'l Conf. on Data Mining, 26-30 Nov., New Orleans. Papers due 1 Jun. www.cacs.louisiana.edu/~icdm05/cfp.html

CALENDAR

FEBRUARY 2005

2-4 Feb: WORDS 2005, 10th IEEE Int'l Workshop on Object-Oriented Real-Time Dependable Systems, Sedona, Ariz. <http://asusr1.eas.asu.edu/srlab/activities/words05/words05.htm>

12-16 Feb: HPCA-11, 11th Int'l Symp. on High-Performance Computer Architecture, San Francisco. www.hpcacnf.org/hpca11/index.html

MARCH 2005

7-10 Mar: RTAS 2005, 11th IEEE Real-Time and Embedded Technology

and Applications Symp., San Francisco. www.cis.upenn.edu/rtas05/

7-11 Mar: DATE 2005, Design, Automation, & Test in Europe, Munich. www.date-conference.com/

8-12 Mar: Percom 2005, Int'l Conf. on Pervasive Computing & Comm., Koloa, Hawaii. www.percom.org/

12-16 Mar: IEEE VR 2005, IEEE Virtual Reality Conf., Bonn. www.vr2005.org/

14-16 Mar: ASYNC 2005, 11th Int'l Symp. on Asynchronous Circuits & Systems, New York. <http://vlsi.cornell.edu/async2005/>

20-22 Mar: ISPASS 2005, IEEE Int'l Symp. on Performance Analysis of Systems & Software, Austin, Texas. www.ispass.org/ispass2005/

20-23 Mar: CGO 2005, 3rd Ann. IEEE/ACM Int'l Symp. on Code Generation & Optimization, San Jose, Calif. www.cgo.org/

28-30 Mar: AINA 2005, IEEE 19th Int'l Conf. on Advanced Information Networking & Applications, Taipei. www.takilab.k.dendai.ac.jp/conf/aina/2005/

29 Mar.-1 Apr: EEE 2005, IEEE Int'l Conf. on e-Technology, e-Commerce, & e-Service, Hong Kong. www.comp.hkbu.edu.hk/~eee05/

30 Mar.-2 Apr: LATW 2005, 6th IEEE Latin-American Test Workshop, Salvador, Brazil. www.latw.net/

APRIL 2005

3-8 Apr: SEW-29, 29th IEEE/NASA Software Eng. Workshop, Greenbelt, Md. <http://sel.gsfc.nasa.gov/>

4-8 Apr: ISADS 2005, 7th Int'l Symp. on Autonomous Decentralized Systems, Sichuan, China. <http://isads05.swjtu.edu.cn/>

4-5 Apr: ECBS 2005, 12th Ann. IEEE Int'l Conf. and Workshops on Eng. of Computer-Based Systems (with SEW-29), Greenbelt, Md. <http://abe.eng.uts.edu.au/ECBS2005/>

4-8 Apr: IPDPS 2005, Int'l Parallel & Distributed Processing Symp., Denver, Colo. www.ipdps.org/

5-8 Apr: ICDE 2005, 21st Int'l Conf. on Data Eng., Tokyo. <http://icde2005.is.tsukuba.ac.jp/>

6-7 Apr: EDPS 2005, Electronic Design Process Symp., Monterey, Calif. www.eda.org/edps/

11-13 Apr: ITCC 2005, Int'l Conf. on IT, Las Vegas. www.itcc.info/

11-14 Apr: MSST 2005, 22nd IEEE Conf. on Mass Storage Systems and Technologies, Monterey, Calif. www.storageconference.org/2005/index.html

20-22 Apr: Cool Chips VIII, Int'l Symp. on Low-Power & High-Speed Chips, Yokohama, Japan. www.coolchips.org/

MAY 2005

1 May: DBT 2005, IEEE Int'l Workshop on Current & Defect-Based Testing (with VTS-05), Rancho Mirage, Calif. www.cs.colostate.edu/~malaiya/dbt.html

9-12 May: CCGRID 2005, 5th IEEE Int'l Symp. on Cluster Computing & the Grid, Cardiff, UK. www.cs.cf.ac.uk/ccgrid2005/

11-13 May: NATW 2005, IEEE 14th North Atlantic Test Workshop, Essex Junction, Vt. www.ee.duke.edu/NATW/

15-16 May: IWPC 2005, 13th Int'l Workshop on Program Comprehension (with ICSE), St. Louis. www.ieee-iwpc.org/iwpc2005/

Call and Calendar

15-21 May: ICSE 2005, 27th Int'l Conf. on Software Eng., St. Louis. www.cs.wustl.edu/icse05/Home/index.shtml

18-21 May: ISMVL 2005, 35th Int'l Symp. on Multiple-Valued Logic, Calgary, Canada. www.enel.ucalgary.ca/ISMVL2005/

22-25 May: ETS 2005, 10th European Test Symp., Tallinn, Estonia. <http://sise.ttu.ee/ati/ETS/>

25-26 May: EBTW 2005, European Board Test Workshop (with ETS 2005), Tallinn, Estonia. www.molesystems.com/EBTW05/

30-31 May: EMNETS-II 2005, 2nd IEEE Workshop on Embedded Networked Sensors, Sydney, Australia www.cse.unsw.edu.au/~emnet/

JUNE 2005

6-8 June: Policy 2005, IEEE 6th Int'l Workshop on Policies for Distributed Systems & Networks, Stockholm. www.policy-workshop.org/2005/

6-9 June: ICDCS 2005, 25th Int'l Conf. on Distributed Computing Systems, Columbus, Ohio. www.cse.ohio-state.edu/icdcs05/

12-13 June: MSE 2005, Int'l Conf. on Microelectronic Systems Education

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(with DAC), Anaheim, Calif. www.mseconference.org/

13-16 June: ICAC 2005, 2nd IEEE Int'l Conf. on Autonomic Computing, Seattle. www.autonomic-conference.org/

13-16 June: WOWMOM 2005, Int'l Symp. on A World of Wireless, Mobile, & Multimedia Networks, Taormina, Italy. <http://cnd.iit.cnr.it/wowmom2005/>

13-17 June: SMI 2005, Int'l Conf. on Shape Modeling & Applications, Cambridge, Mass. www.shapemodeling.org/

16-20 June: ICECCS 2005, Int'l Conf. on Eng. of Complex Computer Systems, Shanghai. www.cs.sjtu.edu.cn/iceccs2005/

19-24 June: MSSTC 2005, 2nd Int'l IEEE Symp. on Mass Storage Systems and Technologies, Sardinia, Italy. <http://storageconference.org/2005>

20-26 June: CVPR 2005, IEEE Int'l Conf. on Computer Vision & Pattern Recognition, San Diego, Calif. www.cs.duke.edu/cvpr2005/

26-29 June: LICS 2005, 20th Ann. IEEE Symp. on Logic in Computer Science, Chicago. <http://homepages.inf.ed.ac.uk/als/lics/lics05/>

27-29 June: ARITH-17, 17th IEEE Symp. on Computer Arithmetic, Cape Cod, Mass. <http://arith17.polito.it/>

27-30 June: ISCC 2005, 10th IEEE Symp. on Computers & Communication, Cartagena, Spain. www.comsoc.org/iscc/2005/

28 June-1 July: DSN 2005, Int'l Conf. on Dependable Systems & Networks, Yokohama, Japan. www.dsn.org/

30 June-1 July: DCOSS 2005, Int'l Conf. on Distributed Computing in

Sensor Systems, Marina del Rey, Calif. www.dcross.org/

JULY 2005

5-8 July: ICALT 2005, 5th IEEE Int'l Conf. on Advanced Learning Technologies, Kaohsiung, Taiwan. www.ask.iti.gr/icalt/2005/

6-8 July: ICME 2005, IEEE Int'l Conf. on Multimedia & Expo, Amsterdam. www.icme2005.com/

19-22 July: CEC 2005, 7th Int'l IEEE Conf. on E-Commerce Technology, Munich. <http://cec05.in.tum.de/>

20-21 July: WRTL 2005, Workshop on RTL & High-Level Testing, Harbin, China. <http://wrtl05.hit.edu.cn/>

20-22 July: ICPADS 2005, 11th Int'l Conf. on Parallel & Distributed Systems, Fukuoka, Japan. www.takilab.k.dendai.ac.jp/conf/icpads/2005/

24 July: CLADE 2005, Workshop on Challenges of Large Applications in Distributed Environments (with HPDC-14), Research Triangle Park, N.C. www.cs.umd.edu/CLADE2005/

AUGUST 2005

8-10 Aug: ICCI 2005, 4th IEEE Int'l Conf. on Cognitive Informatics, Irvine, Calif. www.enel.ucalgary.ca/ICCI2005/

8-11 Aug: CSB 2005, IEEE Computational Systems Bioinformatics Conf., Stanford, Calif. www.csbcon.org/

29 Aug.-2 Sept: RE 2005, 13th IEEE Int'l Requirements Eng. Conf., Paris. <http://crinfo.univ-paris1.fr/RE05/>

SEPTEMBER 2005

7-9 Sept: SEFM 2005, 3rd IEEE Int'l Conf. on Software Eng. & Formal Methods, Koblenz, Germany. <http://sefm2005.uni-koblenz.de/>

15-16 Sept: AVSS 2005, Conf. on Advanced Video & Signal-Based Surveillance, Como, Italy. www.dsp.elet.polimi.it/avss2005/

21-24 Sept: VL/HCC 2005, IEEE Symp. on Visual Languages & Human-Centric Computing, Dallas. <http://viscomp.utdallas.edu/vlhcc05/>

25-30 Sept: ICSM 2005, 21st IEEE Int'l Conf. on Software maintenance, Budapest. www.inf.u-szeged.hu/icsm2005/

26-29 Sept: MASCOTS 2005, Int'l Symp. on Modeling, Analysis, & Simulation of Computer & Telecommunications Systems, Atlanta. Contact G. Riley, riley@ece.gatech.edu

OCTOBER 2005

2-7 Oct: Models 2005, 8th IEEE/ACM Int'l Conf. on Model-Driven Languages & Systems (formerly UML), Montego Bay, Jamaica. www.umlconference.org/

12-14 Oct: HASE 2005, 9th IEEE Int'l Symp. on High-Assurance Systems Eng., Heidelberg, Germany. <http://hase.informatik.tu-darmstadt.de/>

15-21 Oct: ICCV 2005, 10th IEEE Int'l Conf. on Computer Vision, Beijing. <http://research.microsoft.com/iccv2005/>

19-22 Oct: Tapia 2005, Richard Tapia Celebration of Diversity in Computing Conf., Albuquerque, N.M. www.ncsa.uiuc.edu/Conferences/Tapia2005/

NOVEMBER 2005

17-18 Nov: ISESE 2005, ACM-IEEE 4th Int'l Symp. on Empirical Software Eng., Noosa Heads, Australia. <http://attend.it.uts.edu.au/isese2005/>

26-30 Nov: ICDM 2005, 5th IEEE Int'l Conf. on Data Mining, New Orleans. www.cacs.louisiana.edu/~icdm05/

28-30 Nov: WMTE 2005, 3rd IEEE Int'l Workshop on Wireless & Mobile Technologies in Education, Tokushima, Japan. <http://lutf.ieee.org/wmte2005/>

DECEMBER 2005

18-21 Dec: HIPC 2005, Int'l Conf. on High-Performance Computing, Goa, India. www.hipc.org/hipc2005/index.html

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