CALLS FOR ARTICLES FOR IEEE CS PUBLICATIONS

IEEE Software seeks articles for a September/October 2009 special issue on end-user software engineering. The guest editors invite papers on topics that include lightweight approaches to end-user programming that improve software quality, studies of end-user programming populations and their quality concerns, and techniques for helping end users translate their informal requirements into code that adequately addresses their professional goals.

Articles are due by 2 February 2009. Visit www.computer.org/software/cfp5.htm to view the complete call for papers and submission instructions.

IEEE Intelligent Systems seeks articles for a September/October 2009 special issue on transforming e-government and e-participation. E-government and e-participation research aims to refocus government on citizens and businesses—and to provide the models, technologies, and tools for more effective and efficient public-administration systems as well as more participatory decision processes.

The guest editors invite papers that address the possible benefits and limitations of tools and applications like the Semantic Web, service-oriented architectures, Web 2.0, and social computing as they apply to e-government and participation. Suitable topics include rule-based, personalized, and modular one-stop portals; cross-agency service composition and monitoring; and user-generated content and social tagging.

Articles are due by 5 March. Visit www.computer.org/intelligent to view the complete call for papers and submission instructions.

CALLS FOR PAPERS

RE 2009, IEEE Int'l Requirements Eng. Conf., 31 August-4 September, Atlanta; abstracts due 2 February; www.re09.org


CALENDAR

FEBRUARY 2009

2-4 Feb: ESPW 2009, European Systems Packaging Workshop, Kinsale, Ireland; www.ewh.ieee.org/soc/cpmt/its14


17-19 Feb: CSEET 2009, IEEE Conf. on Software Eng. Education and Training, Hyderabad, India; http://serl.iiit.ac.in/CSEET

MARCH 2009

9-13 Mar: PerCom 2009, 7th IEEE Int'l Conf. on Pervasive Computing and Communications, Dallas; www.percom.org


23-24 Mar: VS-Games 2009, IEEE Int'l Conf. in Games and Virtual Worlds for Serious Applications, Coventry, UK; www.vs-games.org.uk


APRIL 2009


The Call and Calendar section lists conferences, symposia, and workshops that the IEEE Computer Society sponsors or cooperates in presenting.

Visit www.computer.org/conferences for instructions on how to submit conference or call listings as well as a more complete listing of upcoming computer-related conferences.
CALL AND CALENDAR


6-8 Apr: TridentCom 2009, 5th Int’l Conf. on Testbeds and Research Infrastructures for the Development of Networks and Communities, Washington, DC; www.tridentcom.org


MAY 2009


JUNE 2009
8-10 June: Arith 2009, 19th IEEE Symp. on Computer Arithmetic, Portland, Oregon; www.ac.usc.es/arith19


CALL FOR ARTICLES FOR COMPUTER

Computer seeks submissions for an October 2009 special issue on models@run.time.

Researchers use the term model-driven engineering to describe software development approaches that manage complexity through the use of software models that are systematically transformed into implementations. Research has generally focused on MDE as a design technique. However, a growing community is interested in the role of models at runtime, addressing the complexities associated with managing and evolving complex software systems while they are executing.

The guest editors invite authors to submit papers on model-based approaches that address topics including

- using models to support runtime monitoring and validation of behavior, and also to support self-* properties in autonomous software systems;
- using models at runtime in service-oriented architectures;
- case studies and experience reports on the use of models at runtime;
- leveraging design models at runtime, including work on transforming design abstractions to runtime abstractions;
- runtime abstractions that enable and support the dynamic management and evolution of software, helping to establish and maintain causal links between runtime models and the running software;
- adaptations based on changes in user intent, including work on reflecting human intent in a runtime model, and work on detecting changes in human intent; and
- implications of models@run.time for existing and emerging software paradigms including service-oriented architecture.

Direct inquiries to guest editors Gordon Blair, Lancaster University, at gordon@comp.lancs.ac.uk; Robert France, Colorado State University, at france@cs.colostate.edu; and Nelly Bencomo, Lancaster University, at nelly@acm.org.

Paper submissions are due by 1 February 2009. Complete submission instructions are available at www.computer.org/portal/pages/computer/content/author/html.

Computer seeks submissions for a September 2009 special issue covering the latest advances in next-generation tools and environments for multi- and many-core architectures. In the past, computing speeds doubled every 18-24 months by increasing the clock speed, thus giving software a “free ride” to better performance whenever the clock speed increased. This free ride is now over, and such automatic performance improvement is no longer possible.

With the advent of multicore chips—from the traditional AMD and Intel multicore to the more exotic hybrid multicore of IBM Cell and the many-core of AMD/ATI and nVidia GPGPUs—parallel computing across multiple cores on a single chip has become a necessity.

The guest editors solicit papers on topics that include programming models and environments for multicore and many-core architectures, systems scheduling and management between different subsystems, compile-time and runtime optimizations, and tools to enhance programming productivity.

Direct inquiries to guest editors Wu-chun Feng at feng@cs.vt.edu and Pavan Balaji at balaji@mcs.anl.gov. Paper submissions are due by 15 March 2009. Complete submission instructions are available at www.computer.org/portal/pages/computer/content/author.html.

JUNE 2009
8-10 June: Arith 2009, 19th IEEE Symp. on Computer Arithmetic, Portland, Oregon; www.ac.usc.es/arith19


6-8 Apr: TridentCom 2009, 5th Int’l Conf. on Testbeds and Research Infrastructures for the Development of Networks and Communities, Washington, DC; www.tridentcom.org