CALLS FOR IEEE CS PUBLICATIONS

IEEE Computer Graphics and Applications magazine is soliciting previously unpublished research papers for a March/April 2007 special issue on computational photography. The guest editors are soliciting papers that address applications of computational photography, stylization of photographs and videos, tampering detection, and new visual media, among many other topics.

CG&A addresses both the theory and practice of computer graphics. From specific algorithms to full system implementations, CG&A offers a unique combination of peer-reviewed feature articles and informal departments. View the complete call for papers at www.computer.org/portal/pages/cga/content/cfpmar07.html. Submissions are due by 14 July 2006.

IEEE Intelligent Systems magazine is soliciting previously unpublished research papers for a February 2007 special issue on interacting with autonomy. Of particular interest are papers that address human interaction with autonomous or semiautonomous physical systems such as robots, smart houses, assistive technologies or companion robots, and entertainment-based systems, including immersive environments.

IEEE Intelligent Systems provides peer-reviewed, cutting-edge articles on the theory and applications of systems that perceive, reason, learn, and act intelligently. Complete author instructions are available at www.computer.org/portal/pages/intelligent/mc/author.html. Submissions are due by 11 August 2006.

OTHER CALLS


CALENDAR

JULY 2006


Call for Articles for Computer

Computer seeks articles for a February 2007 special issue on high-performance reconfigurable computing systems and applications. Guest editors are Duncan Buell from the University of South Carolina, Tarek El-Ghazawi from the George Washington University, Kris Gaj from George Mason University, and Volodymyr Kindratenko from the University of Illinois at Urbana-Champaign.

Reconfigurable computing systems based on combinations of conventional processors and field-programmable gate arrays have been gaining attention in recent years. These synergistic designs have the potential to exploit coarse-grained functional parallelism through conventional parallel processing as well as fine-grained parallelism through direct hardware execution on FPGAs. A number of these systems have recently been developed by several major high-performance computer vendors such as Cray and Silicon Graphics and by emerging companies such as SRC and Starbridge. As high-performance reconfigurable computing systems come into wider deployment, developers must address issues regarding their programmability and their usefulness to the high-performance computing community.

Computer invites papers that provide a perspective on all aspects of high-performance reconfigurable computing. Examples of suitable topics include hardware platforms; applications; programming paradigms; compilers; programming languages; standards; and performance prediction and measurement.

Computer also encourages submissions that provide a comprehensive review of the state of the art and future trends in FPGA technologies; modern high-performance production and experimental reconfigurable platforms; high-level programming languages; and experiences in developing and running engineering and scientific applications on reconfigurable platforms.

The deadline for papers is 1 August 2006. Detailed author guidelines and submission instructions are available at www.computer.org/portal/pages/computer/mc/author.html. Send inquiries to the guest editors at buell@sc.edu, tarek@gwu.edu, kgaj@gmu.edu, or kindr@ncsa.uiuc.edu.


AUGUST 2006


SEPTEMBER 2006

4-8 Sept: VL/HCC 2006, IEEE Symp. on Visual Languages & Human-Centric Computing, Brighton, UK. www.cmis.brighton.ac.uk/vlhcc


Submission Instructions

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.