CALLS FOR ARTICLES FOR COMPUTER

*Computer* seeks submissions for a November 2012 special issue on the move toward electronic health records.

The US Patient Protection and Affordable Care Act of 2010 embraces the notion that electronic health information is the bedrock of modern healthcare.

A multitude of projects are under way that support the transition to electronic health records (EHRs), which enable information exchange among various healthcare-related parties while maintaining patient privacy and security protection.

This aggressive endeavor and its timeline of milestones poses new and interesting problems pertaining to the sharing of private information among government agencies, physicians, institutions, and individuals. While supported by incentive programs, the goal of having 80 percent of physicians using EHRs by 2014 seems unattainable given that currently less than 20 percent use this technology. Fine-tuning certification criteria and establishing best practices appear to be keys to this initiative’s overall success.

Topics of interest include modeling and simulations of energy-efficient computing systems, green communications systems, and smart grid applications.

Articles are due by 15 May 2012. Visit www.computer.org/portal/web/computingnow/cocfp11 to view the complete call for papers.

CALLS FOR ARTICLES FOR IEEE CS PUBLICATIONS

*IEEE Intelligent Systems* plans a November/December 2012 special issue on emergency management.

Emergency management is a critical function of governments and societies. Research in this field aims to develop frameworks, tools, systems, and policies to support organizations and people dealing with natural and man-made disasters. Both emergency-management practice and research have gone through major changes in the past decade, largely due to technological advances in sensor, networking, and communications technologies.

This special issue of IS aims to publish a collection of high-quality research articles on emergency management that synthesize the state of the art and promote cross-cutting community-building. Contributions should show direct relevance to at least one subfield of AI, and substantive, multidisciplinary findings with real-world implications are strongly encouraged.

Possible topics include emergency-management-related data management and informatics, novel data sources, emergency-management-related “big data” analytics and visualization, text and Web mining, social media analytics, real-time data stream fusion, data interoperability, semantic computing, situational awareness, and information sharing in response networks.

Articles are due by 1 May 2012. Visit www.computer.org/portal/web/computingnow/iscfp6 to view the complete call for papers.

*IEEE Intelligent Systems* plans a July-September 2013 special issue on Web-scale near-duplicate search.

As bandwidth accessible to average users is increasing, audiovisual material has become the fastest-growing data type on the Internet. The impressive growth of the Social Web, where users can exchange user-generated content, contributes to the overwhelming number of multimedia files available. Among these huge volumes of data, there exist large numbers of near-duplicates and copies. File copies are easy to detect using hashes. Near-duplicates are based on the same original content but have been edited and postprocessed, resulting in different files. Another type of near-duplicate relates to footage about the same event or scene. The detection of near-duplicates poses a challenge to multimedia content analysis, especially when speed, scale, and copied fragment length are pushed to operational levels.

This special issue seeks innovative contributions dedicated to the theme of Web-scale near-duplicate search. Topics of interests include techniques and algorithms, near-duplicate and/or partial near-duplicate detection, cross-media search of near-duplicates, and semantic-based detection of near-duplicates.

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 computing-related conferences.
**EVENTS IN 2012**

**APRIL 2012**
- 1-5: ICDE 2012
- 1-3: ISPASS 2012
- 18-20: DDECS 2012

**MAY 2012**
- 7-11: ASYNC 2012
- 13-16: CCGRID 2012
- 18-23: SP 2012

**JUNE 2012**
- 2-9: CSE 2012
- 5-8: EuroVis 2012
- 11-13: ICPC 2012
- 20-22: CBMS 2012

**IEEE CBMS 2012**


CBMS is an international forum for discussing the most recent developments in the fields of computational medicine and biomedical informatics. The conference is part of Bioengineering Week, a week dedicated to bioengineering research featuring a unique concentration of several scientific, cultural and educational events, mostly taking place in Rome.

The scientific program of CBMS 2012 will consist of regular and special track sessions focusing on technical contributions, as well as keynote talks and tutorials given by leading experts in computer-based medical systems.


**CALANDAR**

**APRIL 2012**


1-5 Apr: ICDE 2012, 28th Int’l Conf. on Data Engineering, Washington, DC; www.icde12.org/Site


**MAY 2012**


**JUNE 2012**

2-9 Jun: ICSE 2012, 34th Int’l Conf. on Software Engineering, Zurich, Switzerland; www.ifi.uzh.ch/arvo/req/events/ICSE2012

5-8 Jun: EuroVis 2012, 14th IEEE Eurographics Symp. on Visualization, Vienna, Austria; www.cg.tuwien.ac.at/eurovis2012


**MAY 2012**


**JUNE 2012**

2-9 Jun: ICSE 2012, 34th Int’l Conf. on Software Engineering, Zurich, Switzerland; www.ifi.uzh.ch/arvo/req/events/ICSE2012

5-8 Jun: EuroVis 2012, 14th IEEE Eurographics Symp. on Visualization, Vienna, Austria; www.cg.tuwien.ac.at/eurovis2012


**JULY 2012**

1-7 July: ICWS 2012, 10th IEEE Int’l Conf. on Web Services (with SCC, Services, and Cloud), Waikoloa, Hawai’i; http://conferences.computer.org/icws


**AUGUST 2012**

8-10 Aug: ChinaCom 2012, 7th Int’l ICST Conf. on Communications and Networking in China, Kunming, China; http://awtrc.ict.ac.cn/uploads/homepage/index.html


**EVENTS IN 2012**

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Articles are due by 29 June 2012. Visit www.computer.org/portal/web/computingnow/2013/mmcfp3to view the complete call for papers.