Participants in this conference will exchange information regarding advancements in the state of the art and practice of semantic computing, identify emerging research topics, and define the future of semantic computing. Potential topics include natural-language understanding and processing; understanding and processing text and multimedia content; content-based retrieval of text, images, video, and audio; Semantic Web searches and services; sensor-intelligent computing and networks; and context-aware architectures.


This conference invites authors to submit papers representing original results in all areas of communication software, telecommunications, and computer networks. Specific topics could include Internet and IP-based environments, mobile and wireless communication, multimedia and virtual reality systems, computer methods in biomedicine, and optical and photonic communications.

For more information visit http://www.fesb.hr/SoftCOM.

This workshop will occur in conjunction with the ACM Multimedia conference. Potential topics include mobile video broadcasting and multicasting; video signal processing and coding for mobile video; error resilience and concealment; wireless video gaming; visual ad hoc and sensor networks; watermarking, encryption, and authentication for mobile video; and wireless video surveillance.

For more information visit http://www.lkn.ei.tum.de/~steinb/ACMMV2007.

Calls for Papers

Internet of Things Conf.
26–28 March 2008
Zurich, Switzerland

The term “Internet of Things” (IOT) has come to describe a number of technologies and research disciplines that enable the Internet to reach out into the real world of physical objects. Technologies like radio-frequency identification, short-range wireless communications, real-time localization, and sensor networks are becoming increasingly common. This conference invites authors to submit papers on novel services and applications in an IOT; emerging IOT business models and process changes; technologies and concepts for embedding sensing, actuation, communication, and computation into networked things; and the security and privacy aspects of IOT infrastructures and applications.

Technical paper submissions are due by 15 September 2007. Accepted papers will be published in the Springer LNCS series. For more information visit http://www.internet-of-things-2008.org/cfp.

IEEE J. Selected Topics in Signal Processing
Special issue on genomic and proteomic signal processing

The motivation of this special issue is to bring to light the increasing role of genomic and proteomic signal processing in bioinformatics and to disseminate important issues in medicine and biology to the signal processing community. The overall goal is to feature recent advances in the area of genomic and proteomic signal processing and highlight emerging challenges and applications. Potential topics include signal processing and statistical methods in genomic and proteomic sequence analysis, data mining and pattern recognition methods, signals and systems theory techniques for systems biology, and microarray image and data analysis.

Prospective authors should submit their manuscripts by 1 September 2007. Authors are advised to follow the journal’s author guide for formatting manuscripts (detailed at http://ewh.ieee.org/soc/sps/tsp). Manuscripts will undergo a standard peer-review process. For more information visit http://www.ece.byu.edu/jstsp.