Call for Papers

ACM Sigmod Record December 1998 issue

Special Section on Electronic Commerce

Electronic commerce is a generic term that encompasses numerous information technologies and services used in improving business practices ranging from customer service to inter-corporation coordination. One of the most common instances of electronic commerce is the exchange of goods and services over the Internet but there are many business models for electronic commerce (e-shop, e-procurement, e-mall, market places, virtual communities, value chain service providers, collaboration platforms,information brokerage).

In all of its forms, electronic commerce makes use of information technologies from different areas such as databases, transaction processing, interoperability of heterogeneous information resources, intelligent agents, multimedia systems, security and workflow systems.

Papers are solicited on these enabling information technologies with an emphasis on their relation to electronic commerce:

- Workflow Systems: The workflow architectures in support of electronic commerce processes: modeling of electronic commerce processes.
- Agents and Virtual Market Places: Agents for finding, collecting and collating data on the net, brokering agents, describing metadata on the Web and agents based on metadata , open electronic trading markets
- Interoperability Infrastructures: Compositional software architectures in support of electronic commerce, combining distributed object management platforms with Web and Java for electronic commerce applications, providing semantic interoperability through metadata
- Electronic Catalogs: Advanced search techniques, integrated access to multiple distributed heterogeneous electronic catalogs, searching catalogs with multimedia data
- Security and Electronic Payment: Secure Internet payment systems, electronic payment methods
- Dataweb technology and database infrastructure for electronic commerce: Java Database Connection (JDBC) to SQL databases

Papers describing projects, technology, work based on standards, and experience in developing systems are most wellcome.

Important Dates:

Submission Deadline: September 15, 1998
Notification of Acceptance: October 10, 1998
Final manuscript due: October 20, 1998

Submission Guidelines:

Authors are requested to submit an electronic copy of their manuscript to the guest editor (postscript file) as well as 3 hard copies of their papers, 8 pages long, prepared according to the Sigmod style file (available on request) to the section editor:

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