

**18th International Conference on Conceptual Modeling (ER'99), Paris, France**

**Scope**

The Web is voluminous, dynamic, information and data intensive, and varies from completely unstructured to fully structured. Despite this Web chaos, all sectors of our global society use the World-Wide Web to further such goals as electronic commerce, information acquisition, and information dissemination. How can we harness this vast mass of potential information to further these and other similar goals?

In this workshop, we propose to explore ways we can apply conceptual modeling to address these challenges. In particular, we wish to consider building conceptual data models to describe knowledge about patterns of data, about objects in our models, and about interactions among these objects and with Web users. These conceptual models should provide the basis for high-quality organization, presentation, search, information extraction, intelligent caching, electronic business processing, and Web site development and management.

**Topics**

We invite submissions on all topics relating to conceptual modeling and its application to the Web. Particular topics of interest include:

- data and behavioral semantics
- data caching
- data cleaning
- data extraction and information retrieval
- data integration
- data models for Web data
- knowledge discovery
- mining text and data
- semantic search
- semi-structured data
- site design and management
- standards for Web data management (XML, RDF, ...)
- view creation and maintenance
- visualizing the Web
- Web database development
- Web query languages
- Web warehousing
- Web security
- workflow modeling.

We are interested in conceptual modeling applied to Web tools, such as authoring tools, browsers, mediators, spiders, and wrappers.

Web applications that use conceptual modeling are also of interest include digital libraries, e-business, e-commerce, Web publishing, and others.

Any other topic providing insight into opportunities for conceptual-modeling research on the Web is also welcome.

**Publication**

Accepted papers will appear in a workshop proceedings, published by Springer Verlag. Authors will present their work and provide an opportunity for workshop participants to discuss topics related their work. Papers not selected for publication

may be invited for presentation as posters or as work in progress. Abstracts of posters and work-in-progress papers will appear in the proceedings.

**Important Dates**

Electronic submission of abstract:	15 May 1999
Electronic submission of full papers:	22 May 1999
Notification:	30 June 1999
Camera-ready copies due:	31 July 1999

**Submission Details**

Authors are invited to submit research contributions representing original, previously unpublished work. Papers should be no more than 5,000 words in length. Referees will consider originality, significance, technical soundness, and clarity of exposition.

Please submit electronically in PostScript (PDF is also acceptable, but Word, WordPerfect, LaTeX, ASCII, and other formats are not acceptable). To submit an abstract or a paper, point your Web browser to the following URL, and follow the instructions:

<http://www.cm99.byu.edu/submit.html>

**Workshop CoChairs**

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