Call for Papers: International Workshop on the World-Wide Web and Conceptual Modeling
WWWCM'99 November 15 - 18, 1999 http://www.cm99.byu.edu
to be held in conjunction with the
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
Peter Chen David W. Embley
Computer Science Dept. Dept. of Computer Science
Louisiana State University Brigham Young University
Baton Rouge, LA 70803 USA Provo, UT 84602 USA
email: chen@bit.csc.lsu.edu email: embley@cs.byu.edu

Program Committee Chair
Stephen W. Liddle
School of Accountancy and Information Systems
Brigham Young University
Provo, UT 84602 USA
email: liddle@byu.edu

Program Committee Members
Paolo Atzeni Universita' di Roma Tre, Italy
Wesley W. Chu UCLA, USA
Kathi H. Davis Illinois, USA
Yahiko Kambayashi Kyoto University, Japan
Alberto Laender Universidade Federal de Minas Gerais, Brazil
Tok Wang Ling National University of Singapore, Singapore
Frederick H. Lochovsky University of Science & Technology, Hong Kong
Stuart Madnick MIT, USA
John Mylopoulos University of Toronto, Canada
Il-Yeol Song Drexel University, USA
Stefano Spaccapietra Swiss Federal Institute of Technology, Switzerland
Bernhard Thalheim Cottbus Technical University, Germany
Leah Wong US Navy, USA
Philip S. Yu IBM T.J. Watson Research Center, USA