

Call for Papers

22nd International Conference on Conceptual Modeling

13-16 October 2003, Chicago, Illinois, USA



<http://conceptualmodeling.org/er2003>

Scope of Conference

There has been a dramatic impact from trends of increased processing power, storage capacity, network bandwidth, interconnectivity, and mobility of computing devices. As processes and interactions in this environment grow more complex, proper design becomes more important. Conceptual modeling continues to have a vital role in advanced information systems development. But new techniques will be required to deal with the challenges facing developers.

The International Conference on Conceptual Modeling provides a forum for discussing current research and applications in which conceptual modeling is the major emphasis. The theme of ER2003 is conceptual modeling for the future. We especially invite forward-looking and innovative contributions that identify promising areas for future conceptual modeling research.

Topics of Interest

We solicit submission of original research, as well as experience and vision papers from both researchers and practitioners. We welcome any topic where conceptual modeling is a major theme. Specific examples of topics of interest include, but are not limited to, conceptual modeling as applied to:

- information modeling concepts, including ontologies
- ontological and conceptual correctness in modeling
- e-business and Web-based information systems
- mobile information systems
- the Semantic Web
- semistructured data and XML
- information and database integration
- information retrieval/organization/summarization/visualization
- design methodologies and their evaluation
- software engineering and tools
- reuse, patterns, and object oriented design
- quality and metrics
- conceptual change and schema evolution
- spatial, temporal, and multimedia aspects in conceptual models
- metadata, its interpretation and usage
- reverse engineering and reengineering
- knowledge management systems
- user interfaces
- groupware and workflow management
- data warehousing and data mining
- advanced and cross-disciplinary applications

Submission Guidelines

Authors should submit original manuscripts via the ER2003 Web site, as PostScript or PDF files by 24 March 2003. Papers may not exceed 5000 words. Use at least an 11-point font and no more than 20 double-spaced pages. (Typically published papers are 14 pages in LNCS format.) The ER2003 home page (conceptualmodeling.org/er2003) contains further details.

The proceedings will be published by Springer-Verlag in the LNCS series. Springer-Verlag publishes a full-text electronic version of LNCS in parallel with the printed version, so the electronic source of accepted papers will be required (LaTeX 2e for-

mat is preferred). Authors of selected papers will be invited to submit extended versions for possible publication in *Data & Knowledge Engineering*.

Industrial Papers

Please submit papers for the industry track to one of the Industrial Co-Chairs, Terry Halpin (terry@northfacecapital.com) or Peter Aiken (paiken@acm.org) by 24 March 2003. We invite both full papers and short papers. Please visit our Web site for full details (conceptualmodeling.org/er2003).

Workshops

Workshop Co-Chairs are *Manfred Jeusfeld* and *Oscar Pastor*. For workshop information, see <http://SunSITE.Informatik.RWTH-Aachen.DE/Societies/ER2003workshops/>.

Tutorials

Please submit tutorial proposals to one of the Tutorial Co-Chairs, *Ee-Peng Lim* (aseplim@ntu.edu.sg) or *Toby Teorey* (teorey@eecs.umich.edu) by 24 March 2003. Identify the presenter, the intended audience, and the scope of the topic. Tutorials may be presented as a 90-minute tutorial inside the conference, or as a half day (3 hour) or a full day (6 hour) pre-conference tutorial. Suggested tutorial topics include, but are not limited to: Semantic Web, Web knowledge management, and data mining process modeling.

Panels

We solicit proposals for panel sessions related to the conference topics about which there is controversy and thus a need for public discussion. Please send panel proposals to one of the Panel Co-Chairs, *Avigdor Gal* (avigal@ie.technion.ac.il) or *Elisa Bertino* (bertino@dsi.unimi.it) by 24 March 2003. See our Web site for more detailed instructions.

Demonstrations and Posters

ER2003 provides a forum for ongoing work: poster reports on projects in progress, demonstrations of α - and β -versions of software tools, invitations to cooperate on new project ideas, etc. These should stimulate a highly interactive and future-oriented added value to ER2003. Please send poster and demonstration proposals to the Demonstration and Poster Chair, *Heinrich C. Mayr* (mayr@ifit.uni-klu.ac.at) by 20 June 2003.

Important Dates

Paper abstracts (soft deadline):	8 March 2003
Full papers (firm deadline):	24 March 2003
Tutorial & panel proposals:	24 March 2003
Notification:	17 May 2003
Camera-ready papers:	14 June 2003
Poster & demonstration proposals:	20 June 2003

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