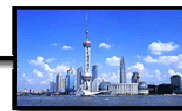


ER2004 Call for Papers

23rd International Conference on Conceptual Modeling

8-12 November 2004, Shanghai, China



<http://www.cs.fudan.edu.cn/er2004>
<http://www.comp.nus.edu.sg/~er2004/>

Scope of Conference

Conceptual modeling is fundamental to real world abstraction and can foster communication between technology experts and those who would benefit from the application of those technologies. It has become a major mechanism for understanding and representing organizations, including new e-worlds, and the information systems that support them. ER 2004 encompasses the entire spectrum of conceptual modeling. It addresses research and practice in areas such as theories of concepts and ontologies underlying conceptual modeling, methods and tools for developing and communicating conceptual models, and techniques for transforming conceptual models into effective information system implementations.

The International Conference on Conceptual Modeling provides a central forum for presenting and discussing current research and applications in which conceptual modeling is the major emphasis. We invite researchers and practitioners from both computer sciences and management information systems. Reports of new ideas and approaches, useful experiences and informative experiments are all welcome. Regular and industrial papers are solicited along with proposals for workshops, tutorials, panel sessions and posters.

Topics of Interest

The relevant topics of ER2004 include, but are not limited to, the following specific examples:

- 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
- distance learning systems
- reverse engineering and reengineering
- knowledge management systems
- user interfaces
- groupware and workflow management
- data warehousing and data mining
- advanced and cross-disciplinary applications
- web services

Submission Guidelines

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

Authors should submit original manuscripts via the ER2004 Web site, as PostScript or PDF files by 19 April 2004. 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. Authors are encouraged to submit papers in the LNCS format (<http://www.springer.de/comp/lncs/authors.html>).

Industrial Papers

Please submit papers for the industry track to one of the Industrial Co-Chairs, Philip S. Yu (psyu@us.ibm.com), Jian Pei (jianpei@cse.buffalo.edu) or Jiansheng Feng (fengjiansheng@baosight.com) by 19 April 2004. We invite both full papers and short papers. Please visit our Web site for full details.

Workshops

Workshops Co-Chairs are [Yahiko Kambayashi](mailto:Yahiko.Kambayashi@i.kyoto-u.ac.jp), Katsumi Tanaka (ktanaka@i.kyoto-u.ac.jp) and Shan Wang (su-ang@public.bta.edu.cn). Please send workshop proposals to either of the Co-Chairs by 1 March 2004. For workshop information, see the separate call for workshop proposals on our Web site.

Tutorials

Please submit tutorial proposals to one of the Tutorial Co-Chairs, Jianzhong Li (lijz@mail.banner.com.cn) or Stefano Spaccapietra (Stefano.Spaccapietra@epfl.ch) by 10 May 2004. 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, Chin-Chen Chang (ccc@cs.ccu.edu.tw) or Erich Neuhold (neuhold@ipsi.fhg.de) by 7 June 2004. See our Web site for more detailed instructions.

Demonstrations and Posters

ER2004 provides a forum for ongoing work: poster reports on projects in progress, demonstrations of alpha- and beta-versions of software tools and products, invitations to cooperate on new project ideas, etc. These should stimulate a highly interactive and future-oriented added value to ER2004. Please send poster and demonstration proposals to the Demonstration and Poster Chair, Mong-Li Lee (leeml@comp.nus.edu.sg) by 19 July 2004.

Important Dates

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|----------------------------------|---------------|
| Workshop proposals: | 1 March 2004 |
| Paper abstracts (soft deadline): | 12 April 2004 |
| Full papers (firm deadline): | 19 April 2004 |
| Tutorial proposals: | 10 May 2004 |
| Panel proposals: | 7 June 2004 |
| Poster & demo proposals: | 19 July 2004 |
| Notification: | 5 July 2004 |
| Camera-ready papers: | 5 August 2004 |

Best Paper Awards

The Prof. Kambayashi best paper award will be given to the best paper. A separate Prof. Kambayashi best student paper award will be given to the best student paper. Papers eligible for this award must have a (graduate or undergraduate) student listed as the first author, and the majority of the authors must be students. Such submissions must be marked as student papers at the time of submission.

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Co-organized by

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National University of Singapore, Singapore

Sponsored by

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ER Institute (ER Steering Committee)

In Cooperation with

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