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# Conceptual Modeling for Advanced Application Domains

ER 2004 Workshops CoMoGIS, CoMWIM  
ECDM, CoMoA, DGOV, and eCOMO  
Shanghai, China, November 8-12, 2004  
Proceedings

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# Preface

We would like to welcome you to the proceedings of the workshops held in conjunction with the 23rd International Conference on Conceptual Modeling (ER 2004).

The objective of the workshops associated with ER 2004 was to give participants the opportunity to present and discuss emerging hot topics related to conceptual modeling, thereby adding new perspectives to conceptual modeling. To meet the objective, we selected six workshops with topics on conceptual modeling for Web information integration, digital government, GIS, change management, e-business, and agent technology. Some of these workshops were brand new while others had been held in conjunction with ER conferences as many as five times. They are:

1. 1st International Workshop on Conceptual Model-Directed Web Information Integration and Mining (CoMWIM 2004)
2. 1st International Workshop on Digital Government: Systems and Technologies (DGOV 2004)
3. 1st International Workshop on Conceptual Modeling for GIS (CoMoGIS 2004)
4. 3rd International Workshop on Evolution and Change in Data Management (ECDM 2004)
5. 1st International Workshop on Conceptual Modelling for Agents (CoMoA 2004)
6. 5th International Workshop on Conceptual Modeling Approaches for E-Business (The Model-Driven Design Value Proposition) (eCOMO 2004)

These six workshops received 38, 16, 58, 21, 17, and 13 papers, respectively. Following the philosophy of the ER workshops, the selection of contributions was very carefully carried out in order to keep the excellent standard; 13, 6, 16, 8, 7, and 6 papers were accepted by the six workshops, respectively, with acceptance rates 34%, 37%, 27%, 38%, 41%, and 46%, respectively. In total, 163 workshop papers were received and 56 papers were accepted with an average acceptance rate of 34.4%. Paper presentations of the first five workshops took place on November 9, 2004, and the sixth workshop took place on November 10, 2004. Each workshop had 2 to 4 sessions with 3 or 4 paper presentations in each session.

This proceedings contains selected workshop papers presented in the workshop sessions. We are deeply indebted to the authors, the members of the program committees, and external reviewers, whose work resulted in this outstanding program. We would like to express our sincere appreciation for the hard work by individual workshop organizers in organizing their workshops, handling the paper submissions, reviewing, and selecting workshop papers to achieve a set of excellent programs.

At this juncture, we wish to remember the late Prof. Yahiko Kambayashi who passed away on February 5, 2004 at age 60, and was at that time a workshop co-chair of ER 2004. Many of us will remember him as a friend, a mentor, a leader, an educator, and our source of inspiration. We express our heartfelt condolence and our deepest sympathy to his family.

We hope all participants shared the recent advances in research findings and developments in these emerging hot topics, and enjoyed the programs of the workshops and the conference, and their stay in Shanghai.

November 2004

Tok Wang Ling  
Shan Wang  
Katsumi Tanaka

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<sup>1</sup> Prof. Yahiko Kambayashi died on February 5, 2004.

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