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DATABASE SYSTEMS FOR ADVANCED APPLICATIONS '93

PROCEEDINGS OF THE THIRD INTERNATIONAL SYMPOSIUM ON DATABASE SYSTEMS FOR ADVANCED APPLICATIONS
TAEJON, KOREA APRIL 6 – 8, 1993

Editors
Songchun Moon
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Hideto Ikeda
Hiroshima University, Japan
PREFACE

It is our great pleasure to invite you to the third International Symposium on Database Systems for Advanced Applications (DASFAA '93). The last DASFAA '91 that took place in Tokyo, Japan in April 1991 featured 65 papers and over 300 participants from 16 countries. DASFAA is an international symposium which especially focusses on advanced applications of database technologies and/or advanced DBMS technologies. Since the first DASFAA was held in Seoul, Korea in April 1989, it was decided for it to be held biennially. So far, response to DASFAA '93 has been tremendous: 52 high quality papers from 12 countries will be presented at the symposium.

DASFAA aims at bringing together researchers, developers and advanced users from academia, business and industry to exchange information and explore new ideas about advanced applications of databases and advanced database technologies.

The city of Taejon, where DASFAA '93 takes place, will offer you as much excitement as the symposium itself, since EXPO '93 will be held from July near the symposium venue. You will experience more than the world-wide symposium in database.

We are extremely grateful to all the people who have been giving their kind help to organize DASFAA '93: all the organization committee members, all the program committee members. We are sure that many of you were considerate enough to contribute to the success of this symposium in Taejon.

Chan Mo Park
Honorary Chairperson

Sukho Lee
General Chairperson
Program Committee Chairpersons' Message

This publication contains the technical papers selected for presentation at DASFAA'93. There are 52 papers, chosen from a field of 109; 39 technical regular papers, 3 industrial regular papers, and 10 short papers. We had one panel session and four tutorial sessions on topics of timely interest.

Many people helped put together the technical program. The program committee deserves a lot of thanks. Each paper was reviewed three times, and to ensure fair decisions, some papers were reviewed a fourth time. A number of committee members did several last minute reviews before the program meeting. There were also a number of outside reviewers who assisted in processing the large number of submissions. These people also deserve a lot of thanks.

We would like to extend thanks to the Ph. D. students at Korea Advanced Institute of Science and Technology. They managed the massive job of processing about 340 reviews and tabulating the results. Special thanks to Ph. D. students Yoosung Kim, Byung-Yeon Hwang, and Sukhoon Kang at KAIST.

Finally, we would like to thank the authors of the 109 submitted papers. Without their contribution, we would not have been able to make DASFAA'93 a successful one.

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Organization Committee Chairpersons’ Message

Since the First International Symposium on Database Systems for Advanced Applications, DASFAA’89, held in Seoul in 1989, the symposium has been organized biennial. But DASFAA is still at the beginning stage. The tasks involved in the planning and organization of the third DASFAA were not simple, in particular, due to the economic recession in computer industries.

We would like to thank all the committee members of the third DASFAA. In particular, we thank Hae Chul Lim and Kyung Chang Kim for publication, Sang Ho Lee for publicity, Myung Ho Kim for local arrangement, Kyu Chul Lee for treasury, Seog Park and Hyun Chul Kang for coordination with SIGDB of KISS, and all the other organization committee members. We also thank to the supports of a number of industries in Korea, Chung Ilo Computer Co., Daou Technology Inc., GoldStar Software, Ltd., IBM Korea, ORACLE Systems Korea, Samsung Advanced Institute of Technology, and Kogakuin University.

We hope that our symposium offers a meeting place to both theoreticians and practitioners in order to discuss and find their experiences and ideas. Also, we believe that third DASFAA would be an enjoyable and fruitful event for all participants.

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