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DATABASE SYSTEMS FOR ADVANCED APPLICATIONS '91

PROCEEDINGS OF THE SECOND INTERNATIONAL SYMPOSIUM ON DATABASE SYSTEMS FOR ADVANCED APPLICATIONS
TOKYO, JAPAN APRIL 2 - 4, 1991

Editor
Akifumi Makinouchi
Kyushu University, Japan

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PREFACE

This proceedings contains the papers presented at the Second International Symposium on Database Systems for Advanced Applications, DASFAA '91, held in Tokyo in April 1991. The symposium was sponsored by the Information Processing Society of Japan and it is a successor of the first DASFAA, which was held in Seoul, Korea in April 1989, which met with a very positive response from all participants.

There are two particular objectives in this symposium. Although there were many other conferences held in Asia organized by IFIP, IEEE, ACM and VLDB, our symposium is the first international database conference organized mainly by Asian academic societies. The word “International” in its name (instead of “Pan-Pacific” or “Asian”) implies our hope to become one of the major world conferences which reflects the increase of research activities in the Pan-Pacific area. The other objective is to encourage publication of papers on practical applications. There are many useful systems on the market for which only a very few papers are published. We believe that we can learn and find new ideas from the experiences of developing these systems. Our symposium offers a meeting place to both theoreticians and practitioners.

Since DASFAA is still at the beginning stage, the tasks involved in the planning and organization of the second DASFAA were not simple. We would like to thank all the committee members of the second DASFAA. In particular, we thank Executive Committee Chairperson, Yoshifumi Masunaga, Vice-Chairpersons, Kenji Suzuki, Myung-Joon Kim, and Jung-Kook Hong, Program Committee Chairperson, Akifumi Makinouchi, Vice-Chairpersons, Katsumi Tanaka and Kyu-Young Whang, Publicity Chairperson, Hideto Ikeda, Organizing Committee Chairperson, Tsuneo Kurokawa, Tutorial Chairperson, Ryosuke Hotaka, Vice-Chairperson, Hajime Horiuchi, for their special effort. We also thank Hideko Kunii and Sukho Lee, Chairperson and Vice-Chairperson of the DASFAA Steering Committee, which determined the overall plans of DASFAA.

We hope the second DASFAA was an enjoyable and fruitful event for each participant.

Takeo Miura
Honorary Chairperson

Yahiko Kambayashi
General Chairperson
PROGRAM COMMITTEE CHAIRPERSON'S MESSAGE

In order to make an international scientific and technical conference a success, we must get, first of all, as many papers as possible submitted from various countries. This objective was attained in this symposium. Altogether 142 papers were submitted from over 18 countries around the world, which was more than we expected and was a pleasant surprise to us. First, we thank all the people who showed interest in the symposium and submitted papers. Secondly, we appreciate very much the effort that the Program Committee’s members made. They contacted their friends and colleagues in respective countries and solicited them to submit papers.

The next thing to do to make the symposium a success was to select good papers. Our policy was that papers would be evaluated for their technical quality and practicality as well. The first criterion is used in other international database conferences similar to this symposium. The second one, however, is unique and distinguishes this symposium from others. To implement this, we included two sessions dedicated to the papers that describe practical experiences of system implementations.

Each submitted paper was reviewed by at least two referees, members of the Program Committee or external professionals who were asked to serve as referees. Based on their judgement, the Program Committee selected 50 regular papers, 6 short papers, and 5 industrial short papers. The industrial short papers are to be presented in the industrial sessions. We believe that all the selected papers are well qualified for presentation. We thank all people who voluntarily reviewed the papers and the Program Committee members who joined in the lengthy discussion for the final paper selection.

We would also like to thank all other people who contributed to the success of this symposium. They are the Executive Committee members, the Organizing Committee members, and industrial supporters who provided financial support. Finally, we extend special thanks to Miss T. Nakagawa for her help in editing this proceedings.

Akifumi Makinouchi
Program Committee Chair
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