

Preface

CAiSE 2000 was the 12th in the series of International Conferences on Advanced Information Systems Engineering. In the year 2000 the conference returned to Stockholm where it was organized the very first time. Since that year, 1989, the CAiSE conferences have developed into an important forum for the presentation and exchange of research results and practical experiences within the field of Information Systems Engineering. The objective of the CAiSE conference series is to bring together researchers and practitioners in the field of information systems engineering to meet annually in order to discuss evolving research issues and applications in this field. The CAiSE conference series also aims to provide an opportunity for young scientists to establish relationships with senior scientists in their areas of interest.

Stockholm is an important center of research and development for some of the leading IT and communications companies in Europe and indeed, in the world. In tune with this environment, a major theme of CAiSE 2000 was "information systems and services in a digitized world". This theme reflects the vast improvements in communication technology, including the increasing use of Internet and WWW, that has taken place over the last years, and that has led to better communication and easier information access in general. In addition, this development has initiated changes in the way organizations cooperate and trade. Hence, we see the formation of virtual enterprises where smaller companies collaborate to solve tasks they cannot cope with alone. It also leads to improvements in information services to people as consumers and as citizens.

For such information services in a digitized world to become really useful it is necessary that they add value to the workings of businesses and people in their daily lives. This calls for enhancements of methods and tools in order better to understand organizations and the way they interact among themselves and with people. Also, there is a need for enhanced design methods and for services that are truly value adding and that function well together with the organizations' legacy systems. As a consequence, the conference featured paper presentations, panels, and tutorials that addressed these issues from a wide range of perspectives but with a common goal. That goal was to advance the theory and practice of analyzing and designing individual but integrated information services in an organizational context.

Of the 126 papers that were received 32 papers of high academic quality were selected for presentation at the conference. The papers covered topics such as web-based information systems, workflow models and systems, analysis patterns, component-based development, enterprise application integration, data warehousing and many others. In conjunction with the conference, tutorials were given by well-known experts on topics such as component-based development, data mining, business modeling, modeling for ERP systems, and requirements engineering. A special one-day industrial track was organized with experts from industry reporting on the implementation of novel information systems architectures.

The conference was preceded by a large number of scientific workshops covering topics such as modeling methods, requirements engineering, data warehousing, agent-oriented information systems, and business process modeling. A special symposium on information systems engineering was organized in honor of Janis Bubenko Jr., on his retirement.

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CAiSE 2000 was organized jointly by the Department of Computer and Systems Sciences at Stockholm University and KTH, and the Swedish Institute for Systems Development (SISU). We would like to thank all those institutions and individuals who made this conference possible: the Swedish Research Institute for Information Technology (SITI), the University of Skövde, the Electrum Foundation, the sponsors and, of course, all the participants.

March 2000

Benkt Wangler
Lars Bergman

CAiSE 2000 Conference Organization

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VIII Organization

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Additional Referees

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|---------------------|-----------------|---------------------|-----------------|
| Giuseppe Amato | Italy | S.J. Paheerathan | Sri Lanka |
| Per Backlund | Sweden | Anne Persson | Sweden |
| Joseph Barjis | The Netherlands | Guenther Preuner | Australia |
| Alistair Barros | Australia | Claus Priebe | Germany |
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| Janis Bubenko Jr. | Sweden | João Rasga | Portugal |
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| Wilhelm Hasselbring | The Netherlands | Janis Stirna | Latvia |
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| Mira K-Matsson | Sweden | T. Thalhammer | Australia |
| Steven Kelly | Finland | Dimitri Theodoratos | Greece |
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| Jianguo Lu | Canada | Panos Vassiliadis | Greece |
| Paul Mallens | The Netherlands | Hans Weigand | The Netherlands |
| Olivera Marjanovic | Australia | Peter Werner | Germany |
| Kenji Masui | Japan | Maria A. Wimmer | Austria |
| Paulo Mateus | Portugal | Kenji Yamashita | Japan |
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