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Barbara Pernici (Ed.)

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Proceedings

Volume Editor

Barbara Pernici
Politecnico di Milano
Dipartimento di Elettronica e Informazione
Piazza Leonardo da Vinci 32, 20133 Milano, Italy
E-mail: barbara.pernici@polimi.it

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Preface

The CAiSE series of conferences, started in 1989, provides an established venue in the information systems engineering area for presenting and exchanging results of design-oriented research in information systems. The 22nd CAiSE conference, held in Hammamet, Tunisia, during June 7-11, 2010, continued this tradition. The theme of CAiSE 2010 was *Information Systems Evolution*. Modern information systems are the result of the interconnection of systems of many organizations, are running in variable contexts, and require both a lightweight approach to interoperability and the capability to actively react to changing requirements and failures. In addition, users of information systems are becoming more and more mobile and ubiquitous, requiring the system to adapt to their varying usage contexts and goals. The evolution of an information system should be a continuous process rather than a single step, and it should be inherently supported by the system itself and the design of the information system should consider evolution as an inherent property of the system. The papers selected for CAiSE 2010 focus on this theme from various perspectives, from requirement engineering and conceptual modeling, to process and services modeling and analysis, to themes such as security, quality, management and applications in information systems.

The first two days consisted of pre-conference workshops and events on business process modeling, modeling methods, requirements engineering, organizational modeling, interoperability and cooperation, ontologies, governance, empirical research in process-oriented systems, and domain engineering. In addition, in a doctoral consortium the PhD students could present and discuss their research plans and in the CAiSE Forum position papers on innovative research projects which are still at a relatively early stage and short papers describing innovative tools and prototypes were presented.

Two invited speakers discussed the role of modeling in modern search computing systems, which enable end users to perform exploratory search processes over multi-domain data sources available on the Web, and of the impact of IT systems on the use of the earth's resources, discussing design issues for IT systems themselves and for systems to manage resources, such as for instance electrical power in homes and enterprises, water delivery and distribution, and traffic management.

We thank all Program Committee and Program Board members and all additional reviewers who were essential in making this once again an excellent conference, contributing their time and effort. Each submission was reviewed by at least three reviewers. The Program Board members acted as assistant Program Committee Chairs and coordinated on-line discussions among the reviewers. The Program Board and Program Committee members met in January 2010 in Milan, Italy, to select papers based on the reviews and on-line discussions. Out of 299 submitted papers, 39 were accepted for the main conference.

We also thank everyone involved in this process. In particular, we are grateful to the General Chairs and to all Local Organizers for managing the complex coordination involved in organizing a conference, the Workshop and Tutorial Chairs, the Forum Chairs, the Doctoral Consortium Chairs, and extend our thanks to the sponsors who made the event financially feasible. Finally, we thank the participants both from academia and industry and we hope that their active participation in the CAiSE conference was inspiring for their research and a good support to industrial innovation.

June 2010

Barbara Pernici

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