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Intelligent Information Systems

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Preface

The CAiSE Forum is a place within the International Conference on Advanced Information Systems Engineering (CAiSE) for presenting and discussing new ideas and tools related to information systems engineering. Intended to serve as an interactive platform, the Forum aims at the presentation of emerging new topics and controversial positions, as well as demonstration of innovative systems, tools, and applications. The Forum sessions at CAiSE facilitate the interaction, discussion, and exchange of ideas among presenters and participants.

Two types of submissions are invited to the Forum:

(1) Visionary papers that present innovative research projects, which are still at a relatively early stage and do not necessarily include a full-scale validation. Visionary papers are usually presented as posters.
(2) Demo papers describing innovative tools and prototypes that implement the results of research efforts. The tools and prototypes are presented as demos at the Forum.

This year, the CAiSE conference, originally planned to be held in Melbourne, Australia, took a virtual form due to the COVID-19 pandemic.

Contributions to the CAiSE 2021 Forum addressed many of the CAiSE 2021 conference topics and in particular this year's theme: *Intelligent Information Systems.*

The 18 papers presented in this volume were carefully reviewed and selected. The management of paper submission and reviews was supported by the EasyChair conference system in a double loop. Selecting the papers to be accepted has been a worthwhile effort.

The CAiSE Program Board recommended 14 visionary papers, submitted as short papers to the main conference, which were among the top 30% of the submissions to CAiSE 2021 in terms quality and innovation. The four demo papers were directly submitted to the CAiSE forum and were accepted for their high potential. All papers received three reviews from the members of the forum Program Committee and the Program Board, and were presented in the cyber space of CAiSE 2021 during the forum session.

As the CAISE 2021 Forum chairs, we would like to express again our gratitude to the Forum Program Committee and also to the CAiSE Program Board for their efforts in providing very thorough evaluations of the submitted papers. We also wish to thank all authors who submitted papers to the CAISE 2021 Forum for having shared their work with us.

Last but not least, we thank the organizers of CAiSE 2021 for their help with the organization of the event, particularly adjusting to the changing circumstances during the global COVID-19 crisis and facilitating the transformation to a virtual event. We would have liked to meet in person in the lovely city of Melbourne. We wish to thank the CAiSE 2021 Program Committee Chairs and the Organisation Committee for their

support. We also thank Springer, and in particular Ralf Gerstner and Christine Reiss, for their assistance during the production of the proceedings.

May 2021

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Organization

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