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Donald Ferguson · Claus Pahl ·
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Cloud Computing and Services Science

10th International Conference, CLOSER 2020
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Revised Selected Papers

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Preface

The present book includes extended and revised versions of a set of selected papers from the 10th International Conference on Cloud Computing and Services Science (CLOSER 2020), held as a web-based event due to the Covid-19 pandemic, from 7–9 May 2020.

CLOSER 2020 received 69 paper submissions from 26 countries, of which 18% were included in this book. The papers were selected by the event chairs and their selection is based on a number of criteria that include the classifications and comments provided by the program committee members, the session chairs' assessment and also the program chairs' global view of all papers included in the technical program. The authors of selected papers were then invited to submit a revised and extended version of their papers having at least 30% innovative material.

The 10th International Conference on Cloud Computing and Services Science, CLOSER 2020, focused on the highly important area of Cloud Computing, inspired by some recent advances that concern the infrastructure, operations and available services through the global network. Further, the conference considered as essential the link to Services Science, acknowledging the service-orientation in most current IT-driven collaborations. The conference was nevertheless not about the union of these two (already broad) fields, but about Cloud Computing where we are also interested in how Services Science can provide theory, methods and techniques to design, analyze, manage, market and study various aspects of Cloud Computing.

The papers selected to be included in this book contribute to the understanding of relevant trends of current research on Cloud Computing and Services Science, including core concerns of cloud and service research such as resource management, performance engineering, orchestration and self-healing in cloud, edge, fog and network environments, but also addressing recent topics such as governance, the link to big data or software engineering practices such as microservices and DevOps up to a look into quantum computing and the cloud.

We would like to thank all the authors for their contributions and also the reviewers, who have helped to ensure the quality of this publication.

May 2020

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