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Cloud Computing and Services Science

9th International Conference, CLOSER 2019
Heraklion, Crete, Greece, May 2–4, 2019
Revised Selected Papers

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Preface

The present book includes extended and revised versions of a set of selected papers from the 9th International Conference on Cloud Computing and Services Science (CLOSER 2019), held in Heraklion, Crete, Greece, during May 2–4, 2019.

CLOSER 2019 received 102 paper submissions from 33 countries, of which 29% were included in this book. The papers were selected by the event chairs and their selection was based on a number of criteria that included 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.

CLOSER focuses on the emerging area of Cloud Computing, inspired by some latest advances that concern the infrastructure, operations, and available services through the global network. Further, the conference considers as essential the link to Services Science, acknowledging the service-orientation in most current IT-driven collaborations. The conference is 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. We can observe the classical centralized cloud processing to distribute out to the edge, towards fog, and Internet-of-Things applications. New platform and management solutions are required, but we also need to better understand how data is processed in these platforms. Even more fundamental concerns going deep into search and retrieval, security, but also self-adaptation principles need to be investigated. Furthermore, the organization and architecting of systems at service-level through microservice and container technologies is an open question. The papers presented here address these concerns, providing solutions to some of the urgent problems in this field.

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 2019

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David Wallom	University of Oxford, UK

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