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Cloud Computing and Services Science

8th International Conference, CLOSER 2018
Funchal, Madeira, Portugal, March 19–21, 2018
Revised Selected Papers

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Preface

This book includes extended and revised versions of selected papers from the 8th International Conference on Cloud Computing and Services Science (CLOSER 2018), held in Funchal, Madeira, Portugal, during March 19–21, 2018.

CLOSER 2018 received 94 paper submissions from 33 countries, of which 10% were included in this book. The papers were selected by the event chairs. 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% new material.

CLOSER 2018, focused on the emerging area of Cloud Computing, inspired by some of the latest advances that concern the infrastructure, operations, and available services through the global network. Furthermore, the conference considers the link to Service Science as essential, 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 rather focuses on Cloud Computing. We included the related and emerging topic of Services Science's theory, methods, and techniques to design, analyze, manage, market, and study various aspects of Cloud Computing. Service Science focuses on the intersection between technology and business and helps to understand a range of service systems, as well as how these evolve to create value.

This year's edition includes papers that cover a wide range of topics and challenges, including Measuring Cost in Cloud Migration projects and Cost-efficient Datacentre Consolidation. In order to design and architect cloud system, topics of architecting Microservices, Optimising Quality of Services, and interoperability issues are discussed. Furthermore, papers on service Development on the Cloud and Model-based Generation of Self-Adaptive Cloud Services have been included. Finally emerging and important topics of Malicious Behavior Classification and Energy-Efficient Ge-Distributed Data Centres are discussed.

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

March 2018

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