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Cloud Computing and Services Science

6th International Conference, CLOSER 2016
Rome, Italy, April 23–25, 2016
Revised Selected Papers

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Preface

The present book includes extended and revised versions of a set of selected papers from the 6th International Conference on Cloud Computing and Services Science (CLOSER 2016), held in Rome, Italy, during April 23–25, 2016.

CLOSER 2016 received 123 paper submissions from 35 countries, of which 15% were included in this book. The papers were selected by the event chairs and their selection was based on a number of criteria including 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 2016 focused on the emerging area of cloud computing, inspired by recent advances related to infrastructures, operations, and service availability through global networks. Furthermore, the conference considers the link to service science fundamental, acknowledging the service-orientation of most IT-driven collaborations. The conference is nevertheless not about the union of these two (already broad) fields, but about understanding how service science can provide theories, methods, and techniques with which to design, analyze, manage, market, and study the various aspects surrounding cloud computing.

With the ongoing digitization in all aspects of society, the importance and contributions of service science is expected to grow. Many researchers have shown that there are specific challenges in applying service orientation to sectors such as energy, security, finance, payments, and smart cities. In addition, the continuation in the consumer focus has intensified service orientation, with analysis of customer experiences and service behavior as a promising new route. In addition, novel IoT and big data-based technologies have resulted in many service-oriented business models, whereby security and privacy protection remains a constant concern.

The papers selected to be included in this book contribute to the understanding of relevant trends of current research on cloud computing and service science, including:

- Cloud interoperability and migration
- Cloud-native applications, microservices, and containers
- Auditing and SLA management for cloud applications
- Performance, cost, and green consumption management
- Detecting anomalies in cloud platforms
- Deployment and adaptation of cloud data centers
- Public HPC and private cloud computing

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

February 2017

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