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Preface

CAiSE is a well-established and highly visible conference series on advanced information systems engineering. It addresses contemporary topics in information systems (IS) engineering such as methodologies and approaches for IS engineering, innovative platforms, architectures and technologies, as well as engineering of specific kinds of IS. It is an established tradition that each CAiSE conference is accompanied by a significant number of high-quality workshops. Their aim is to address specific emerging challenges in the field, to facilitate interaction between stakeholders and researchers, to discuss innovative ideas, as well as to present new approaches and tools.

This year the CAiSE conference was held in Rome, Italy, during June 3–7, 2019. The theme of this 31st CAiSE conference was responsible information systems including topics such as digitalization and the new economic models it enables, and the resulting transformation of organizations and industries. Many contributions at CAiSE 2019 addressed trends such as the Internet of Things (IoT), big data analytics, business process management, flexible information systems, as well as blockchain technologies. This year, CAiSE was accompanied by its two long-standing associated working conferences (BPMDS and EMMSAD) as well as six workshops. The workshops were chosen after careful consideration, based on maturity and compliance with our usual quality and consistency criteria.

Each workshop adhered to the CAiSE 2019 submission and acceptance guidelines. The paper acceptance rate for the workshops included in this volume was approximately 49%.

This volume contains the proceedings of the following three workshops associated with CAiSE 2019:

- The 7th International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE)
- The First International Workshop on Key Enabling Technologies for Digital Factories (KET4DF)
- The Joint Workshop on Blockchains for Inter-Organizational Collaboration and Flexible Advanced Information Systems (BIOC&FAiSE)

The 15th International Workshop on Enterprise and Organizational Modeling and Simulation (EOMAS) published proceedings in a separate Springer LNBIP volume, while the First International Workshop on Processing Information Ethically (PIE) and The First International Workshop on Open Data and Ontologies for Cultural Heritage (ODOCH) published their proceedings in the CEUR Workshop Proceedings series.

As workshop chairs of CAiSE 2019, we would like to express our gratitude to all workshop organizers and to all corresponding scientific committees of the workshops for their valuable contribution.

April 2019

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