Joaquim Filipe
Michał Śmiałek
Alexander Brodsky
Slimane Hammoudi (Eds.)

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Enterprise Information Systems

22nd International Conference, ICEIS 2020
Virtual Event, May 5–7, 2020
Revised Selected Papers

Lecture Notes in Business Information Processing 417

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Preface

The present book includes extended and revised versions of a set of selected papers from the 22nd International Conference on Enterprise Information Systems (ICEIS 2020), exceptionally held as a web-based event, due to the COVID-19 pandemic, during May 5–7, 2020.

ICEIS 2020 received 255 paper submissions from 49 countries, of which 16% 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 classifications and comments provided by Program Committee members, session chairs' assessments and also the program chairs' global view of all the papers included in the technical program. The authors of selected papers were then invited to submit revised and extended versions of their papers having at least 30% innovative material.

The purpose of the 22nd International Conference on Enterprise Information Systems (ICEIS 2020) was to bring together researchers, engineers, and practitioners interested in advances and business applications of information systems. Six simultaneous tracks were held, covering different aspects of Enterprise Information Systems Applications, including Enterprise Database Technology, Systems Integration, Artificial Intelligence, Decision Support Systems, Information Systems Analysis and Specification, Internet Computing, Electronic Commerce, Human Factors, and Enterprise Architecture.

We are confident that the papers included in this book will strongly contribute to the understanding of some current research trends in Enterprise Information Systems. Such systems require diverse approaches to answer the challenges of contemporary enterprises. Thus, this book covers such diverse but complementary areas as: Data Science and Databases, Ontologies, Social Networks, Knowledge Management, Software Development, Human-Computer Interaction and Multimedia.

We would like to thank all the authors for their contributions and the reviewers for their hard work which has helped ensuring the quality of this publication.

May 2020

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