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Ana Fred · David Aveiro · Jan Dietz ·
Jorge Bernardino · Elio Masciari · Joaquim Filipe
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Knowledge Discovery, Knowledge Engineering and Knowledge Management

13th International Joint Conference, IC3K 2021
Virtual Event, October 25–27, 2021
Revised Selected Papers


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Preface

The present book includes extended and revised versions of a set of selected papers from the 13th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2021), which was exceptionally held as an online event, due to COVID-19, from 25–27 October.

The purpose of IC3K is to bring together researchers, engineers and practitioners in the areas of Knowledge Discovery, Knowledge Engineering and Knowledge Management. IC3K is composed of three co-located conferences, each specialized in at least one of the aforementioned main knowledge areas.

IC3K 2021 received 103 paper submissions from 47 countries, of which 9% 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 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.

The papers selected to be included in this book contribute to the understanding of relevant trends of current research on Knowledge Discovery, Knowledge Engineering and Knowledge Management, including: Information Extraction, Knowledge Representation, Mining Text and Semi-Structured Data, Natural Language Understanding, Knowledge Acquisition, KM Strategies and Implementations, Explainable AI, Domain Ontologies, Domain Analysis and Modeling and Deep Learning.

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.

October 2021

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