TUDelft

Delft University of Technology

Preface

Fred, Ana; Dietz, Jan; Aveiro, David; Liu, Kecheng; Bernardino, Jorge; Filipe, Joaquim

Important note
To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Preface

The present book includes extended and revised versions of a set of selected papers from the 8th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2016), held in Porto, Portugal, during November 9–11, 2016.

IC3K 2016 received 186 paper submissions from 46 countries, of which 9% were included in this book. The papers were selected by the event chairs and their selection was 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 with an addition of at least 30% novel material.

The purpose of IC3K is to bring together researchers, engineers, and practitioners on the areas of knowledge discovery, knowledge engineering, and knowledge management. IC3K is composed of three co-located conferences (KDIR, KEOD, and KMIS), each specialized in at least one of the aforementioned main knowledge areas.

The papers selected to be included in this book contribute to the understanding of relevant topics. We selected three papers focusing on machine learning, two of them with applications to data mining and one related to natural language processing; in an adjacent area we selected four other papers addressing text mining or data mining in detail. In the area of knowledge engineering, there are three papers addressing ontology engineering and knowledge representation and one focusing on conceptual software design. Finally, four papers addressing intelligent information systems, in particular communication, collaboration, and information sharing, and three papers focusing on knowledge management and enterprise systems complete the collection for this book of a total of 18 papers.

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

November 2016

Ana Fred
Jan Dietz
David Aveiro
Kecheng Liu
Jorge Bernardino
Joaquim Filipe