


Lecture Notes in Business Information Processing

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Web Information Systems and Technologies

15th International Conference, WEBIST 2019
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Revised Selected Papers

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Preface

The present book includes extended and revised versions of a set of selected papers from the 15th International Conference on Web Information Systems and Technologies (WEBIST 2019), held in Vienna, Austria, during September 18–20, 2019.

WEBIST 2019 received 87 paper submissions from 30 countries, of which 11% were included in this book. The papers were selected by the event chairs and their selection was based on a number of criteria that included 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 purpose of WEBIST 2019 was to bring together researchers, engineers, and practitioners interested in the technological advances and business applications of web-based information systems. The conference had five main tracks, covering different aspects of web information systems, namely Internet Technology; Web Interfaces and Applications; Society; e-Communities, and e-Business; Web Intelligence; and Mobile Information Systems.

The papers selected to be included in this book contribute to the understanding of relevant trends of current research on web information systems and technologies, including:

- Big Data and Connected Services
- Web Performance
- Context-Aware and Adaptive Web Applications
- Human Robot Collaboration and Multi-Agent Systems
- Web Application Operating Systems and Platforms
- Social Media Advertising and Enhancing Purchase Intentions
- Natural Language Query Interfaces and Semantic Web
- Human-Computer Interaction and Dynamic Web Pages

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

September 2019

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The original version of the book was revised: first name of the second volume editor has been corrected. The correction to the book is available at https://doi.org/10.1007/978-3-030-61750-9_11

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Claus Pahl	Free University of Bozen-Bolzano, Italy

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