

Lecture Notes in Business Information Processing

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Web Information Systems and Technologies

13th International Conference, WEBIST 2017
Porto, Portugal, April 25–27, 2017
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 Conference on Web Information Systems and Technologies (WEBIST 2017), held in Porto, Portugal, during April 25–27, 2017.

We received 77 paper submissions from 30 countries, of which 16% are 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 of the presentation and discussion quality, 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% novel material.

The purpose of the 13th International Conference on Web Information Systems and Technologies (WEBIST) 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; 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, comprising:

- Unified interfaces
- Progressive Web apps (PWAs) as well as a mobile device taxonomy
- XML and open data processing
- The history of Web engineering
- Web development for end-users
- Access control
- Web platform assessment
- Rule engines
- Scientific blogging

We would like to thank all the authors for their contributions and also the reviewers who helped ensure the quality of this publication. Moreover, we wish to include a word of appreciation for the excellent organization provided by the conference secretariat run by INSTICC.

April 2017

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