Lecture Notes
in Business Information Processing

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Web Information Systems
and Technologies

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Revised Selected Papers

Springer
Preface

This book includes extended and revised versions of a set of selected papers from WEBIST 2012 (the 8\textsuperscript{th} International Conference on Web Information Systems and Technologies), held in Porto, Portugal, in 2012, and organized by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC), in cooperation with ACM SIGMIS.

The purpose of the WEBIST series of conferences is to bring together researchers, engineers, and practitioners interested in technological advances and business applications of Web-based information systems. The conference has five main tracks, covering different aspects of Web Information Systems, including: Internet Technology; Web Interfaces and Applications; Society, e-Business and e-Government; Web Intelligence; and Mobile Information Systems.

WEBIST 2012 received 184 paper submissions from 41 countries on all continents. A double-blind review process was enforced, with the help of 183 experts from the International Program Committee; each of them specialized in one of the main conference topic areas. After reviewing, 25 papers were selected to be published and presented as full papers and 57 additional papers, describing work-in-progress, as short papers. Furthermore, 31 papers were presented as posters. The full-paper acceptance ratio was 14\%, and the total oral paper acceptance ratio was 45\%.

The papers included in this book were selected from those with the best reviews also taking into account the quality of their presentation at the conference, assessed by Session Chairs. Therefore, we hope that you find these papers interesting, and we trust they may represent a helpful reference for all those who need to address any of the research areas mentioned above.

We wish to thank all those who supported and helped to organize the conference. On behalf of the conference Organizing Committee, we would like to thank the authors, whose work mostly contributed to a very successful conference, and to the members of the Program Committee, whose expertise and diligence were instrumental to ensure the quality of the final contributions. We also wish to thank all the members of the Organizing Committee, whose work and commitment was invaluable. Last but not least, we would like to thank Springer for their collaboration in getting this book to print.

December 2012

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