

Editorial Preface

Special Issue on Information Systems Innovation and Competitiveness

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This special issue includes extended versions of a selection of papers presented at CAPSI 2016 - 16th Conference of the Portuguese Information Systems Association, organized by the APSI - Portuguese Information Systems Association, the national chapter of the AIS – Association for Information Systems, that took place at Porto Accounting and Business School, of the Polytechnic of Porto, in September 2016. The aim of this special issue is present key research projects, and initiatives that are emerging in distinct information systems domains, with an emphasis in Portugal and other Portuguese speaking countries. The 15 previous editions of the above-mentioned conference prove that this event has gained a place in the community of information systems in Portugal and it is assumed today as necessary and essential in the discussion and sharing of good practices, experiences and knowledge in this area.

This special issue offers a selection of the most relevant papers presented at the conference that are key themes in the context of information systems, including innovative topics. The first article, entitled The relevance of intellectual capital in shared service centres: an exploratory research on the contribution of three models from different areas of knowledge, prepared by Luisa Domingues, Agostinho Sousa Pinto and Carlos José Guterres, using a qualitative approach and constructivist paradigm, develops an exploratory research that aims to explore new research directions and horizons at the confluence of the models advanced by Nonaka, SSAM and Marciniak in knowledge management at shared service centers. The second paper – Applying Metaheuristics to minimize work-related musculoskeletal disorders produced by Ana Moura and Arminda Pata-, presents and discusses a decision support system, using metaheuristics, to support work schedules programming in order to minimize musculoskeletal disorders, through the identification of problems related to employee productivity and aging. The third paper entitled E-rulemaking: lessons from the literature, authored by Nuno Carvalho and Rui Lourenço, presents a systematic literature review on the topic e-rulemaking, identifying the main research topics as well as some under researched ones, identifying current lines of research in e-rulemaking, together with the technologies and the activities they support, besides the results achieved by these types of initiatives. In the fourth paper – Unleashing the intelligence of cities by social innovation and civic crowdfunding: an exploratory study, from Susana Bernardino and José Freitas Santos-, based on two case studies, the authors aim to highlight the potential of civic crowdfunding for increasing the participation and collaboration between citizens, firms and government.

We would like to thank all the authors for their valuable contributions, and the reviewers for their time and constructive feedback.

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