



Editorial

The mission of the *IJISPM - International Journal of Information Systems and Project Management* is the dissemination of new scientific knowledge on information systems management and project management, encouraging further progress in theory and practice.

It is our great pleasure to bring you the fourth number of the fourth volume of IJISPM. In this issue readers will find important contributions on the understanding of promoter-stakeholder relations in complex projects, information security management, thematic grouping for email messages and formal modeling of information systems.

The first article, “Understanding dyadic promoter-stakeholder relations in complex projects”, is authored by Janita F. J. Vos, Albert Boonstra and Marjolein C. Achterkamp. The authors propose a Bilateral Double Motive framework of stakeholder cooperation in complex projects. The framework analyses and explains dyadic promoter-stakeholder relationships at a micro level by acknowledging both transactional and relational motives. The framework’s usefulness is demonstrated by illustrating its explanatory power in two instances of cooperation and two of non-cooperation within two health information technology projects. The study contributes to project management theory through its combined focus on transactional and relational motives. Further, the study contributes to practice by providing a tool for planning and evaluating cooperation in health Information Technology projects and similar complex multi-stakeholder environments.

As Knut Haufe, Ricardo Colomo-Palacios, Srdan Dzombeta, Knud Brandis and Vladimir Stantchev state in the second article “A process framework for information security management”, securing sensitive organizational data has become increasingly vital to organizations. An Information Security Management System (ISMS) is a systematic approach for establishing, implementing, operating, monitoring, reviewing, maintaining and improving an organization's information security. Key elements of the operation of an ISMS are ISMS processes. However, and in spite of its importance, an ISMS process framework with a description of ISMS processes and their interaction as well as the interaction with other management processes is not available in the literature. Cost benefit analysis of information security investments regarding single measures protecting information and ISMS processes are not in the focus of current research, mostly focused on economics. This article aims to fill this research gap by proposing an ISMS process framework as the main contribution. Within the framework, identified processes are described and their interaction and interfaces are specified. This framework helps to focus on the operation of the ISMS, instead of focusing on measures and controls. By this, as a main finding, the systemic character of the ISMS consisting of processes and the perception of relevant roles of the ISMS is strengthened.

The article “Thematic grouping for messages in major events” is authored by Wallace Pinheiro, Ricardo Fernandes and Luciene Souza. The process of information evaluation may compete with the decision making process by requiring the limited cognitive resources. In the case of Major Events, such as the Football World Cup or the Olympic Games, the thematic grouping of every information may be overwhelming. The theme switching caused by information associated with a different thematic group may be modelled as an interruption in multitasking set-ups. Thus, automating the thematic grouping of information may facilitate the decision making process by reducing the theme switching for a decision maker when he reads a set of messages. In this article were used clustering techniques with multi-criteria to group the messages in themes. These criteria were implemented as configurable operators. To achieve a better comprehension of those parameters, the authors introduced the concepts of Thematic Strength (TS) and Thematic Density (TD). The evaluation of the strategy was made over a set of operational messages available in the Pacificador system during the 2014 FIFA World Cup.



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The article “Formal approach to modeling of modern information systems” is authored by Bálint Molnár, András Benczúr and András Béleczi. Most recently, the concept of business documents has started to play double role. On one hand, a business document (word processing text or calculation sheet) can be used as specification tool, on the other hand the business document is an immanent constituent of business processes, thereby essential component of business Information Systems. The recent tendency is that the majority of documents and their contents within business Information Systems remain in semi-structured format and a lesser part of documents is transformed into schemas of structured databases. In order to keep the emerging situation in hand, the authors suggest a theoretical framework for modeling business Information Systems and a design method for practical application based on the theoretical model that provides the structuring principles.

We would like to take this opportunity to express our gratitude to the distinguished members of the Editorial Board, for their commitment and for sharing their knowledge and experience in supporting the IJISPM.

Finally, we would like to express our gratitude to all the authors who submitted their work, for their insightful visions and valuable contributions.

We hope that you, the readers, find the International Journal of Information Systems and Project Management an interesting and valuable source of information for your continued work.

The Editor-in-Chief,

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João Varajão is currently professor of information systems and project management at the *University of Minho*. He is also a researcher of the *Centro Algoritmi* at the *University of Minho*. Born and raised in Portugal, he attended the *University of Minho*, earning his Undergraduate (1995), Masters (1997) and Doctorate (2003) degrees in Technologies and Information Systems. In 2012, he received his Habilitation degree from the *University of Trás-os-Montes e Alto Douro*. His current main research interests are in Information Systems Management and Information Systems Project Management. Before joining academia, he worked as an IT/IS consultant, project manager, information systems analyst and software developer, for private companies and public institutions. He has supervised more than 50 Masters and Doctoral dissertations in the Information Systems field. He has published over 250 works, including refereed publications, authored books, edited books, as well as book chapters and communications at international conferences. He serves as editor-in-chief, associate editor and member of the editorial board for international journals and has served in numerous committees of international conferences and workshops. He is co-founder of CENTERIS – Conference on ENTERprise Information Systems and of ProjMAN – International Conference on Project MANAGEMENT.

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