

**Joint Requirements Engineering
and Business Process Management
Workshop/Education Forum
(REBPM/EdForum)**

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This joint workshop brings together practitioners and researchers interested in requirements engineering and education in BPM. Successful business process management (BPM) involves the ability to create value through effectively orchestrating, communicating, and transforming business processes across the organization. These efforts require a combination of a plethora of knowledge, skills, and abilities that many organizations find lacking in their current workforce. As BPM continues to evolve as a discipline, there is a need to study the current state of BPM's body of knowledge and how it addresses the BPM capabilities needed in practice. A deeper appreciation on how process-centric concepts are expressed, understood, and consumed by diverse learner groups is needed to design well-grounded and applicable BPM-related curricula.

The first part of the workshop concentrates on the knowledge behind interrelations between RE and BPM, with a focus on agile and flexible BPM as well addressing the need of providing users with the required flexibility in defining processes, which has also risen in importance. Two papers were selected. The first paper, "From Requirements to Data Analytics Process: An Ontology-Based Approach" by Madhushi Bandara et al. from UNSW, investigates the use of process patterns and ontologies for expressing frequently used sets of analytics requirements. The second paper, "Process Weakness Patterns for the Identification of Digitalization Potentials in Business Processes" by Florian Rittmeier et al. from Paderborn University, is concerned with the systematic identification of digitalization potentials in business processes via process weakness patterns in BPMN diagrams. The two papers had some similarities by putting more emphasis on the use of knowledge management techniques and the need to capture domain knowledge during analysis. In terms of proposed solutions, both papers advocate the use some form of patterns to capture the essence of the solution.

This second part of the workshop aims to share innovative BPM education approaches and to promote a dialog between the academy and practice. This year, we invited two papers: The first paper, "An Assignment on Information System Modeling: On Teaching Data and Process Integration," was presented by Jan Martijn Van Der Werf from Utrecht University. The paper presented the design specification and experience of running of an assignment specifically aimed at teaching the inter-related nature of data and process and how the two concepts should be integrated in an information system. The second paper, "Motivational and Occupational Self-Efficacy Outcomes of Students in a BPM Course: The Role of Industry Tools vs Digital Games," was presented by Jason Cohen from the University of the Witwatersrand. The paper presented the design and experimental results of student learning activities aimed

at assessing the effectiveness of digital games vs. industry tools in promoting occupational self-efficacy and motivation.

Overall, the presentations provoked many comments and feedback, which created an active discussion session for all participants.

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