



Process representation and formalism

By Simon, Eric

Condition: New. Publisher/Verlag: Scholar's Press | Towards bridging the gap between representation and formalism in the context of systems life cycle management processes | In the context of systems development life cycles (SDLC), a gap exists between the representations of the methodologies as processes on the one hand, for example using business process model and notation (BPMN), and the formalisms that would provide the level of analysability necessary to validate the corresponding processes on the other hand, for instance Petri nets. This doctoral thesis aims at bridging this gap by proposing a model in-between these two extremes that is simple yet expressive enough to be able to represent the processes, either directly or by translating BPMN diagrams to the model, while retaining enough formalism to allow its mapping to Petri nets, which then enables the execution of the diagrams but also opens the door to automatic or semi-automatic validation of some properties of the systems using well-known algorithms in graph theory or methods that are specific to Petri nets. | Format: Paperback | Language/Sprache: english | 213 gr | 220x150x8 mm | 148 pp.



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