

Название публикации:

How top-level ontology can help in analyses of workflow modeling languages

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Наименование журнала:

CEUR Workshop Proceedings

Volume 2258, 2018, Pages 284-294

2nd International Scientific and Practical Conference "Fuzzy Technologies in the Industry - FTI", FTI 2018; Ulyanovsk; Russian Federation; 23 October 2018 до 25 October 2018; Код 142671

Аннотация:

A success of business process modeling depends on the level of formalization of the workflow modeling languages. However, the specification of the notations used for workflow modeling, does not include a formal semantics and syntax. This paper suggests defining semantics and syntax of workflow modeling languages using semiotic approach and mapping to concepts of top-level Bunge-Wand-Weber (BWW) ontology. Unfortunately, the BWW ontology has several shortcomings that limit its practical usage. We adapt the ontology in such a way that it becomes suitable for business processes modeling. We consider we are not allowed to introduce new concepts into BWW ontology, thus we give a new explanation to existing concepts in order to reflect necessary notions. © 2018 CEUR-WS. All rights reserved.

Ключевые слова:

Business Process, Business process model, Formal Semantics, Semiotic approaches, Workflow modeling, Workflow modeling languages