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Rule Based Modeling of Knowledge Bases   (Conference Paper)

Wani, S.[a] ✉,   Sembok, T.M.T.[a] ✉,   Wahiddin, M.R.[b] ✉

[a]Centre for Research and Innovation, National Defence University of Malaysia, Kuala Lumpur, Malaysia
[b]Kulliyah of Information and Communication Technology, International Islamic University Malaysia, Kuala Lumpur, Malaysia

Abstract

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It is critical to have a knowledge base model for efficient storage of extracted knowledge. This ensures that the knowledge is stored in a meaningful way to be used for different applications. The efficiency of the knowledge base model depends largely on the rules of construction. Knowledge represented using logico-linguistic techniques and semantic networks lack a consistent rule based knowledge model. The current paper deals with the analysis of text from the knowledge extraction, representation and semantic network phase to formulate rules which would lay foundations of a knowledge model. The developed rules seem to be promising providing a comprehensive coverage of different scenarios. The extensive coverage is an indication that the knowledge model will cater to the entire domain knowledge, thereby laying the foundations of automatic construction of efficient knowledge bases. © 2017 IEEE.
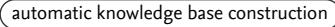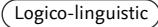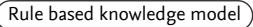
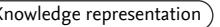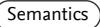## SciVal Topic Prominence ⓘ

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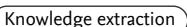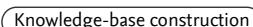
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Indexed keywords

Engineering controlled terms:	(Knowledge based systems) (Knowledge representation) (Semantics)
Engineering uncontrolled terms	(Automatic construction) (Knowledge base modeling) (Knowledge extraction) (Knowledge-base construction) (Linguistic techniques) (Rule-based knowledge) (Rule-based models) (Semantic network)
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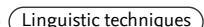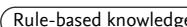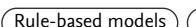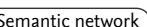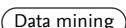
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