

Natural Language Processing for MediaWiki: The Semantic Assistants Approach

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Natural Language Processing for MediaWiki: The Semantic Assistants Approach

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Abstract

We present a novel architecture for the integration of Natural Language Processing (NLP) capabilities into wiki systems. The vision is that of a new generation of wikis that can help developing their own primary content and organize their structure by using state-of-the-art technologies from the NLP and Semantic Computing domains. The motivation for this integration is to enable wiki users -- novice or expert -- to benefit from modern text mining techniques directly within their wiki environment. We implemented these ideas based on MediaWiki and present a number of real-world application case studies that illustrate the practicability and effectiveness of this approach.

URL

<http://www.wikisym.org/ws2012/bin/download/Main/Program/p20wikisym2012.pdf> [4]

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[wikinlp-wikisym12.pdf](#) [6]

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