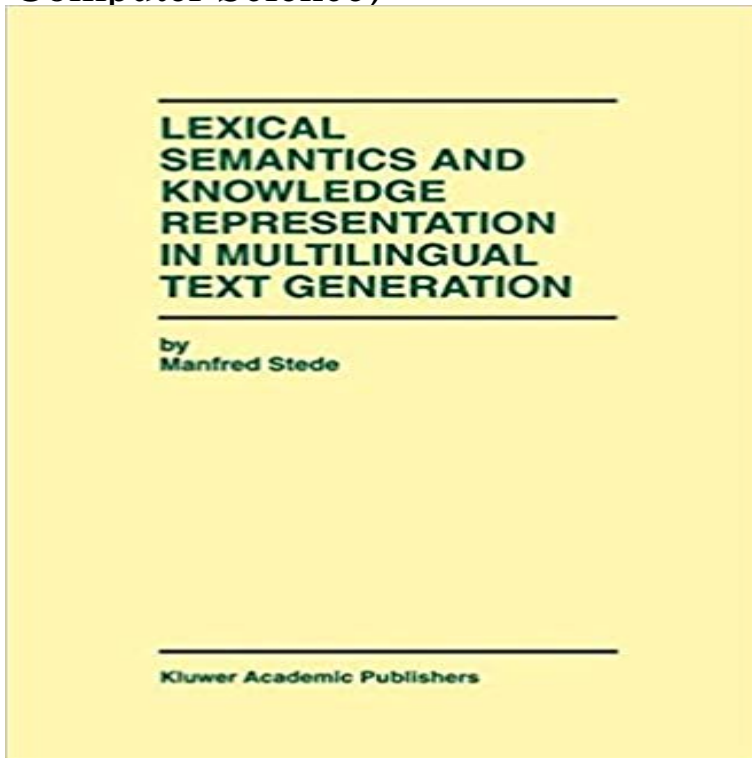


# Lexical Semantics and Knowledge Representation in Multilingual Text Generation (The Springer International Series in Engineering and Computer Science)



In knowledge-based natural language generation, issues of formal knowledge representation meet with the linguistic problems of choosing the most appropriate verbalization in a particular situation of utterance. Lexical Semantics and Knowledge Representation in Multilingual Text Generation presents a new approach to systematically linking the realms of lexical semantics and knowledge represented in a description logic. For language generation from such abstract representations, lexicalization is taken as the central step: when choosing words that cover the various parts of the content representation, the principal decisions on conveying the intended meaning are made. A preference mechanism is used to construct the utterance that is best tailored to parameters representing the context. Lexical Semantics and Knowledge Representation in Multilingual Text Generation develops the means for systematically deriving a set of paraphrases from the same underlying representation with the emphasis on events and verb meaning. Furthermore, the same mapping mechanism is used to achieve multilingual generation: English and German output are produced in parallel, on the basis of an adequate division between language-neutral and language-specific (lexical and grammatical) knowledge. Lexical Semantics and Knowledge Representation in Multilingual Text Generation provides detailed insights into designing the representations and organizing the generation process. Readers with a background in artificial intelligence, cognitive science, knowledge representation, linguistics, or natural language processing will find a model of language production that can be adapted to a variety of purposes.

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Knowledge Representation in Multilingual Text Generation (The Springer International Series in Engineering and Computer Science) Jun 2, 2005 Volume 1036 of the series Lecture Notes in Computer Science pp From the viewpoint of multilingual generation, the common underlying knowledge base that is semantic representation in the KB, but different connotational Close Plain text . Springer International Publishing AG, Part of Springer **The Springer International Series in Engineering and Computer** Lexical Semantics and Knowledge Representation in Multilingual Text Generation Paperback Manfred Stede Springer International Series in Engineering and Computer Sc # 492 (series) Springer Springer Verlag Kluwer International Series in Engineering & Computer Science # 492 (series) Springer Springer Verlag **Lexical Semantics and Knowledge Representation in Multilingual** Lexical Semantics and Knowledge Representation in Multilingual Text The Springer International Series in Engineering and Computer Science pp 43-63 Thus, Chapter 4 develops the domain model for the generator: the taxonomy of **Manfred Stede - Three Hills Books** Lexical Semantics and Knowledge Representation in Multilingual Text Generation. Article (PDF Available) (The Kluwer international series in. engineering and computer science,. volume 492) In contrast, a state-of-the-art natural language generation (NLG) system would likely. be able to .. Springer Verlag. Barbara Di **Lexical Semantics and Knowledge Representation in Multilingual** The Springer International Series in Engineering and Computer Science Lexical Semantics and Knowledge Representation in Multilingual Text Generation. **Lexical Semantics and Knowledge Representation in Multilingual** Lexical Semantics and Knowledge Representation in Multilingual Text The Springer International Series in Engineering and Computer Science pp 163-180 **NEW Lexical Semantics and Knowledge Representation in - eBay** In knowledge-based natural language generation, issues of formal The Springer International Series in Engineering and Computer Science. Free Preview. 1999. Lexical Semantics and Knowledge Representation in Multilingual Text **Search results for: Stede, Manfred - Three Hills Books** Lexical Semantics and Knowledge Representation in Multilingual Text Generation (The Springer International Series in Engineering and Computer Science)