Trends in Parsing Technology
Dependency Parsing, Domain Adaptation, and Deep Parsing

Computer parsing technology, which breaks down complex linguistic structures into their constituent parts, is a key research area in the automatic processing of human language. This volume is a collection of contributions from leading researchers in the field of natural language processing technology, each of whom detail their recent work which includes new techniques as well as results. The book presents an overview of the state of the art in current research into parsing technologies, focusing on three important themes: dependency parsing, domain adaptation, and deep parsing. The technology, which has a variety of practical uses, is especially concerned with the methods, tools and software that can be used to parse automatically. Applications include extracting information from free text or speech, question answering, speech recognition and comprehension, recommender systems, machine translation, and automatic summarization. New developments in the area of parsing technology are thus widely applicable, and researchers and professionals from a number of fields will find the material here required reading.

Features

- Collects contributions from many of today’s leading researchers in the area of natural language processing technology
- Describes the contributors’ most recent work and a range of new techniques and results
- Presents a state-of-the-art overview of current research in parsing technologies with a focus on three important themes in the field today: dependency parsing, domain adaptation, and deep parsing

Fields of interest
Computational Linguistics; Language Translation and Linguistics

Target groups
Research

Type of publication
Contributed volume

Due September 2010
2010. XIV, 284 p. (Text, Speech and Language Technology, Volume 43) Hardcover

- approx. € 99,95 | £90.00
- approx. * € (D) 106,95 | € (A) 109,95 | sFr 155,50

Understanding Morphological Rules
With Special Emphasis on Conversion and Subtraction in Bulgarian, Russian and Serbo-Croatian

This volume analyzes morphological and morphonological phenomena from a number of distinct Slavic languages. It does so in an innovative manner, yet also positions the analysis in the context of current morphological debates. It is thus a valuable contribution both to comparative Slavic morphology and general morphological theory. Moreover, the book is the first attempt at a theory of conversion and subtraction relevant to languages with rich inflectional morphology. It contributes to our structural understanding of the nature of word. As the first illustration of subtraction with examples from southern Slavic languages, it is an excellent source of specialist data. The book’s theoretical framework is easily accessible and applicable to other languages, which makes it attractive to researchers on Slavic language and general linguists alike. The volume will also appeal to general morphologists, typologists, and advanced students in linguistics.

Features

- The first undertaking towards a theory of conversion and subtraction relevant to languages with rich inflectional morphology
- The theoretical framework of the discussion is accessible/ translatable into other frameworks, therefore, suitable for use by specialists in Slavic languages as well as for general linguists
- Morphological analyses of traditional Slavic sources (written in different Slavic languages) is handled in an innovative way and situates them in the current morphological debates

Fields of interest
Linguistics (General); Slavic and Baltic Languages

Target groups
Research

Type of publication
Monograph

Due July 2010
2010. Approx. 295 p. (Studies in Morphology, Volume 1) Hardcover

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