



Computational Models of Discourse Analysis

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Computational Models Of Discourse

Michael Brady



Computational Models Of Discourse:

Computational Models of Discourse Michael Brady, 1983-02-01 As the contributions to this book make clear a fundamental change is taking place in the study of computational linguistics analogous to that which has taken place in the study of computer vision over the past few years and indicative of trends that are likely to affect future work in artificial intelligence generally The first wave of efforts on machine translation and the formal mathematical study of parsing yielded little real insight into how natural language could be understood by computers or how computers could lead to an understanding of natural language The current wave of research seeks both to include a wider and more realistic range of features found in human languages and to limit the dimensions of program goals Some of the new programs embody for the first time constraints on human parsing which Chomsky has uncovered for example The isolation of constraints and the representations for their expression rather than the design of mechanisms and ideas about process organization is central to the work reported in this volume And if present goals are somewhat less ambitious they are also more realistic and more realizable

Contents

Computational Aspects of Discourse Robert Berwick Recognizing Intentions from Natural Language Utterances James Allen Cooperative Responses from a Portable Natural Language Data Base Query System Jerrold Kaplan Natural Language Generation as a Computational Problem An Introduction David McDonald Focusing in the Comprehension of Definite Anaphor Candace Sidner So What Can We Talk About Now Bonnie Webber A Preface by David Israel relates these chapters to the general considerations of philosophers and psycholinguists Michael Brady is Senior Research Scientist at the MIT Artificial Intelligence Laboratory The book is included in the MIT Press Artificial Intelligence Series

Computational Models of Reading Erik D. Reichle, 2021 *Computational Models of Reading* is a reference book that can be used to learn about reading research and how computer models have been used to explain and simulate the mental processes involved in reading These mental processes include the identification of printed words the active construction of larger units of meaning for example of sentences and the integration of the latter into memory so that a text can be understood and remembered The final chapter describes a new model of reading in its entirety and then reports simulations showing how it explains important findings related to reading

Computational Models of Mixed-Initiative Interaction Susan Haller, Susan McRoy, Alfred Kobsa, 2013-11-11 *Computational Models of Mixed Initiative Interaction* brings together research that spans several disciplines related to artificial intelligence including natural language processing information retrieval machine learning planning and computer aided instruction to account for the role that mixed initiative plays in the design of intelligent systems The ten contributions address the single issue of how control of an interaction should be managed when abilities needed to solve a problem are distributed among collaborating agents Managing control of an interaction among humans and computers to gather and assemble knowledge and expertise is a major challenge that must be met to develop machines that effectively collaborate with humans This is the first collection to specifically address this issue

A Computational Model of Discourse Production George Houghton,1989 **A Computational Model of Presupposition in Natural Language Discourse** Kee H. Ng,1989 *The Production of Spoken Discourse* George Houghton,1997-10-24 This volume focuses on spoken language and its production It is part of a series which provides a forum for the cross fertilization of ideas from diverse disciplines that share a mutual interest in discourse A variety of approaches to the topic are represented sociolinguistics psycholinguistics ethnomethodology and the study of language educational psychology and computational linguistics

Prague Linguistic Circle Papers Eva Haji?ová,Miroslav Cervenka,Oldrich Leska,Petr Sgall,1995 This volume is the first one of the revived series of Travaux which was the well known international book series of the classical Prague Linguistic Circle published in the years 1929 39 The tradition of the Circle still attracts attention in broad circles of European and American linguistics The first volume of the new series is divided into five sections 1 Introductory papers characterizing the development of the Prague School in the recent decades 2 Methodological issues of structural and functional linguistics 3 Sentence structure 4 Discourse patterns 5 Theory of literature In accordance with the tradition the volume contains contributions concerning issues of principle empirical linguistic studies and also papers from the theory of literature

Attention, Intention, and the Structure of Discourse Barbara J. Grosz,1986 **An MT Oriented Model of Aspect and Article Semantics** Barbara Gawrońska,1993 **A Computational Model of Task Oriented Discourse** Mark James Elliot,1995 **Proceedings of the Conference** Association for Computational Linguistics. Meeting,1988 **Proceedings of the Eleventh National Conference on Artificial Intelligence** American Association for Artificial Intelligence,1993 AAAI proceedings describe innovative concepts techniques perspectives and observations that present promising research directions in artificial intelligence Topics include The principles underlying cognition perception and action in humans and machines The design application and evaluation of AI algorithms and intelligent systems The analysis of tasks and domains in which intelligent systems perform *40th Annual Meeting of the Association for Computational Linguistics* Association for Computational Linguistics. Meeting,2002

AAAI-91 American Association for Artificial Intelligence,1991 AAAI proceedings describe innovative concepts techniques perspectives and observations that present promising research directions in artificial intelligence July 15 19 1991 Anaheim California Topics include Communication and Cooperation AI and Education User Interfaces Natural Language Distributed AI Reasoning about Physical Systems Perception Planning and Robotics Machine Learning **Towards a Computational Model of Anaphora in Discourse: Reference to Events and Actions** Moore School of Electrical Engineering. Department of Computer and Information Science,E. Schuster,1986 The Production of Spoken Discourse George Houghton,1997 This volume focuses on spoken language and its production It is part of a series which provides a forum for the cross fertilization of ideas from diverse disciplines that share a mutual interest in discourse A variety of approaches to the topic are represented sociolinguistics psycholinguistics ethnomethodology and the study of language educational psychology and

computational linguistics COLING Budapest Dénes Vargha,1988 Computer Models and Technology in Media Research Rolf A. Zwaan,Dietrich Meutsch,1990 Presented in this volume is an interdisciplinary overview of the role of computer models and technology in research on language literature and the media The reader is offered nine contributions by experts in the following fields artificial intelligence linguistics cognitive psychology cybernetics and literary studies The topics which are discussed include text analysis text production natural language understanding expert systems design psychological experiments human computer interaction and epistemological issues in cognitive science **Computational Linguistics** ,2000 The Prague Bulletin of Mathematical Linguistics ,2004

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Seeing is believing, an old saying goes. It would be hard to find a better ... 7-1 Life Is Cellular Structures within a eukaryotic cell that perform important cellular functions are known as organelles. Cell biologists divide the eukaryotic cell into two major. 7.1 Life Is Cellular | PDF | Microscope 7.1 Life Is Cellular. Lesson Objectives State the cell theory. Describe how the different types of microscopes work. Distinguish between prokaryotes and ... Chapter 7-1 Life Is Cellular The discovery of the cell was possible due to the invention of the. 2. Who was the first person to see cells? 3. Why did he call them cells?