

Contents

Computing Meaning: Annotation, Representation, and Inference	1
Harry Bunt, Johan Bos, and Stephen Pulman	
Part I Semantic Representation and Compositionality	
Deterministic Statistical Mapping of Sentences to Underspecified Semantics	13
Hiyan Alshawi, Pi-Chuan Chang, and Michael Ringgaard	
A Formal Approach to Linking Logical Form and Vector-Space Lexical Semantics	27
Dan Garrette, Katrin Erk, and Raymond Mooney	
Annotations that Effectively Contribute to Semantic Interpretation . .	49
Harry Bunt	
Concrete Sentence Spaces for Compositional Distributional Models of Meaning	71
Edward Grefenstette, Mehrnoosh Sadrzadeh, Stephen Clark, Bob Coecke, and Stephen Pulman	
Part II Inference and Understanding	
Recognizing Textual Entailment and Computational Semantics	89
Johan Bos	
Abductive Reasoning with a Large Knowledge Base for Discourse Processing	107
Ekaterina Ovchinnikova, Niloofar Montazeri, Theodore Alexandrov, Jerry R. Hobbs, Michael C. McCord, and Rutu Mulkar-Mehta	
Natural Logic and Natural Language Inference	129
Bill MacCartney and Christopher D. Manning	
Designing Efficient Controlled Languages for Ontologies	149
Camilo Thorne, Raffaella Bernardi, and Diego Calvanese	

Part III Semantic Resources and Annotation

A Context-Change Semantics for Dialogue Acts	177
Harry Bunt	
VerbNet Class Assignment as a WSD Task	203
Susan Windisch Brown, Dmitriy Dligach, and Martha Palmer	
Annotation of Compositional Operations with GLML	217
James Pustejovsky, Anna Rumshisky, Olga Batiukova, and Jessica L. Moszkowicz	
Incremental Recognition and Prediction of Dialogue Acts	235
Volha Petukhova and Harry Bunt	
Index	257



<http://www.springer.com/978-94-007-7283-0>

Computing Meaning

Volume 4

Bunt, H.; Bos, J.; Pulman, S. (Eds.)

2014, VIII, 260 p. 13 illus., Hardcover

ISBN: 978-94-007-7283-0