CAMBRIDGE

Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

The Lexicon

What is the lexicon, what does it contain, and how is it structured? What principles determine the functioning of the lexicon as a component of natural language grammar? What role does lexical information play in linguistic theory?

This comprehensive yet accessible introductory textbook aims to answer these three questions, and explores the relation of the lexicon to grammar as a whole. It offers a critical overview of major theoretical frameworks, and puts forward a unified treatment of lexical structure and design. The text can be used for introductory and advanced courses, and for courses that touch upon different aspects of the lexicon, such as lexical semantics, lexicography, syntax, general linguistics, computational lexicology, and ontology design.

One of the authors' key objectives is to provide students with a set of tools which will enable them to work with lexical data for all kinds of purposes, and they have included an abundance of exercises and in-class activities for this purpose, which also ensure that students are actively engaged with the content and effectively acquire the necessary knowledge and skills they need.

JAMES PUSTEJOVSKY is the TJX Feldberg Chair in Computer Science at Brandeis University. He has published numerous books on Generative Lexicon theory, lexical semantics, temporal and spatial semantics, and linguistic annotation.

OLGA BATIUKOVA is Associate Professor in the Department of Spanish Philology at the Autonomous University of Madrid. She has published extensively on lexical theory and its impact on lexicography, and the syntax–lexicon interface and verbal aspect.

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE

Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

CAMBRIDGE TEXTBOOKS IN LINGUISTICS

General Editors: P. AUSTIN, J. BRESNAN, B. COMRIE, S. CRAIN, W. DRESSLER, C. EWEN, R. LASS, D. LIGHTFOOT, K. RICE, I. ROBERTS, S. ROMAINE, N. V. SMITH.

The Lexicon

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE

Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

In This Series:

R. CANN *Formal Semantics*
J. LAVER *Principles of Phonetics*
F. R. PALMER *Grammatical Roles and Relations*
M. A. JONES *Foundations of French Syntax*
A. RADFORD *Syntactic Theory and the Structure of English: A Minimalist Approach*
R. D. VAN VALIN JR AND R. J. LAPOLLA *Syntax: Structure, Meaning and Function*
A. DURANTI *Linguistic Anthropology*
A. CRUTTENDEN *Intonation Second edition*
J. K. CHAMBERS AND P. TRUDGILL *Dialectology Second edition*
C. LYONS *Definiteness*
R. KAGER *Optimality Theory*
J. A. HOLM *An Introduction to Pidgins and Creoles*
G. G. CORBETT *Number*
C. J. EWEN AND H. VAN DER HULST *The Phonological Structure of Words*
F. R. PALMER *Mood and Modality Second edition*
B. J. Blake *Case Second edition*
E. GUSSMAN *Phonology: Analysis and Theory*
M. YIP *Tone*
W. CROFT *Typology and Universals Second edition*
F. COULMAS *Writing Systems: An Introduction to Their Linguistic Analysis*
P. J. HOPPER AND E. C. TRAUGOTT *Grammaticalization* Second edition
L. WHITE *Second Language Acquisition and Universal Grammar*
I. PLAG *Word-Formation in English*
W. CROFT AND A. CRUSE *Cognitive Linguistics*
A. SIEWIERSKA *Person*
A. RADFORD *Minimalist Syntax: Exploring the Structure of English*
D. BÜRING *Binding Theory*
M. BUTT *Theories of Case*
N. HORNSTEIN, J. NUÑES AND K. GROHMANN *Understanding Minimalism*
B. C. LUST *Child Language: Acquisition and Growth*
G. G. CORBETT *Agreement*
J. C. L. INGRAM *Neurolinguistics: An Introduction to Spoken Language Processing and Its Disorders*
J. CLACKSON *Indo-European Linguistics: An Introduction*
M. ARIEL *Pragmatics and Grammar*
R. CANN, R. KEMPSON AND E. GREGOROMICHELAKI *Semantics: An Introduction to Meaning in Language*
Y. MATRAS *Language Contact*
D. BIBER AND S. CONRAD *Register, Genre and Style*
L. JEFFRIES AND D. MCINTYRE *Stylistics*
R. HUDSON *An Introduction to Word Grammar*
M. L. MURPHY *Lexical Meaning*
J. M. MEISEL *First and Second Language Acquisition*
T. MCENERY AND A. HARDIE *Corpus Linguistics: Method, Language and Practice*
J. SAKEL AND D. L. EVERETT *Linguistic Fieldwork: A Student Guide*
A. SPENCER AND A. LUÍS *Clitics: An Introduction*
G. CORBETT *Features*
A. MCMAHON AND R. MCMAHON *Evolutionary Linguistics*
B. CLARK *Relevance Theory*
B. LONG PENG *Analyzing Sound Patterns*
B. DANCYGIER AND E. SWEETSER *Figurative Language*
J. BYBEE *Language Change*
S. G. THOMASON *Endangered Languages: An Introduction*
A. RADFORD *Analysing English Sentences Second edition*
R. CLIFT *Conversation Analysis*
R. LEVINE *Syntactic Analysis*
I. PLAG *Word-Formation in English Second edition*
Z. G. SZABÓ AND R. H. THOMASON *Philosophy of Language*
J. PUSTEJOVSKY AND O. BATIUKOVA *The Lexicon*

Earlier issues not listed are also available.

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

The Lexicon

JAMES PUSTEJOVSKY
Brandeis University, Massachusetts

OLGA BATIUKOVA
Universidad Autónoma de Madrid

CAMBRIDGE
UNIVERSITY PRESS

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE

Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Shaftesbury Road, Cambridge CB2 8EA, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi – 110025, India

103 Penang Road, #05–06/07, Visioncrest Commercial, Singapore 238467

Cambridge University Press is part of Cambridge University Press & Assessment, a department of the University of Cambridge.

We share the University's mission to contribute to society through the pursuit of education, learning and research at the highest international levels of excellence.

www.cambridge.org
Information on this title: www.cambridge.org/9780521547956

DOI: 10.1017/9780511982378

© James Pustejovsky and Olga Batiukova 2019

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press & Assessment.

First published 2019

A catalogue record for this publication is available from the British Library

Library of Congress Cataloging-in-Publication data
Names: Pustejovsky, J. (James) author. | Batiukova, Olga, author.
Title: The lexicon / James Pustejovsky, Brandeis University, Massachusetts; Olga Batiukova, Universidad Autónoma de Madrid.
Description: Cambridge, United Kingdom; New York, NY: Cambridge University Press, 2019. | Series: Cambridge Textbooks in Linguistics | Includes bibliographical references and index.
Identifiers: LCCN 2018038011| ISBN 9780521839327 (Hardback) | ISBN 9780521547956 (Paperback)
Subjects: LCSH: Lexicology.
Classification: LCC P326 .P87 2019 | DDC 413.028–dc23
LC record available at https://lccn.loc.gov/2018038011

ISBN 978-0-521-83932-7 Hardback
ISBN 978-0-521-54795-6 Paperback

Cambridge University Press & Assessment has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Contents

List of figures *page* xii
List of tables xiii
Preface xv
Acknowledgments xix

Part I The Lexicon in Linguistic Theory 1

1 Introduction 3
1.1 Overview 3
1.2 What Is the Lexicon? 3
1.3 What Is a Word? 6
1.4 Lexeme, Word Form, and Grammatical Word 10
1.5 What Is in a Lexical Entry? 10
1.6 The Role of Empirical Data in Lexicon Research 11
1.6.1 Naturally Occurring Data 12
1.6.2 Naturally Elicited Data 13
1.6.3 Experimentally Elicited Data 14
1.6.4 Data in the Linguistic Research Cycle 16
1.7 Goals of Linguistic Theory and the Notion of Grammar 18
1.8 Summary 19
1.9 Further Readings 20
1.10 Exercises 21

2 Lexicon and Syntax 24
2.1 Overview 24
2.2 What Is Syntax? 24
2.3 Syntactically Relevant Lexical Features and Lexically Dependent Syntactic Phenomena 30
2.3.1 Syntactic Category 31
2.3.2 Semantic Features and Semantic Types 37
2.3.3 Countability 38
2.3.4 The Interaction of Lexical Features 45
2.4 Summary 46
2.5 Further Readings 47
2.6 Exercises 47

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

3 Lexicon in Syntactic Frameworks 49
3.1 Overview 49
3.2 The Lexicon from Aristotle to Structuralism 49
3.3 Generative Grammar 56
3.4 Head-Driven Phrase Structure Grammar (HPSG) 64
3.5 Lexical–Functional Grammar (LFG) 70
3.6 Construction Grammar 74
3.7 Lexicon in Its Own Right: Generative Lexicon 78
3.8 Summary 88
3.9 Further Readings 89
3.10 Exercises 90

4 Lexicon and Semantics 93
4.1 Overview 93
4.2 What Is Semantics? 93
4.2.1 Sentence Meaning and Inference 94
4.2.2 Word Meaning and Lexical Relations 98
4.3 Conceptual Meaning 99
4.3.1 Referential Models of Semantics 100
4.3.2 Representational Theories of Meaning 102
4.3.3 Rich Denotational Models of Semantics 104
4.4 Associative or Connotative Meaning 108
4.5 Literal and Non-Literal Meaning 110
4.6 Summary 112
4.7 Further Readings 113
4.8 Exercises 114

5 Lexicon in Semantic Frameworks 115
5.1 Overview 115
5.2 Formal Semantics 115
5.3 Conceptual Semantics 121
5.4 Cognitive Linguistics 126
5.5 Prototype Theory 131
5.6 Natural Semantic Metalanguage 137
5.7 Summary 140
5.8 Further Readings 140
5.9 Exercises 142

Part II Lexical Structures 145

6 The Structure of a Lexical Entry 147
6.1 Overview 147
6.2 Linguistic versus Extralinguistic Knowledge in the Lexical Entry 147

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

6.2.1 Conventional Dictionary Definitions and Their Types 149
6.3 Linguistic Structures 151
6.3.1 Typed Feature Structure 151
6.3.2 Argument Structure and Predication 153
6.3.3 Event Structure 158
6.3.4 Qualia Structure 161
6.4 Conceptual Structures 164
6.4.1 Image Schemas 164
6.4.2 Frames and Scenes 166
6.4.3 Conventionalized Attributes 168
6.5 Properties of Lexical Entries 169
6.5.1 Ambiguity, Polysemy, and Homonymy 169
6.5.1.1 Tests of Sense Distinctness 171
6.5.1.2 Polysemy and Homonymy 173
6.5.1.3 Regular Polysemy 175
6.5.2 Vagueness and Underspecification 177
6.6 Summary 178
6.7 Further Readings 179
6.8 Exercises 180

7 Semantic Typing and Decomposition 182
7.1 Overview 182
7.2 Strategies for Lexical Decomposition 182
7.3 Semantic Types 188
7.4 Qualia Structure As Semantic Types 194
7.4.1 Natural Types and Artifactual Types 194
7.4.2 Complex Types 198
7.5 Summary 200
7.6 Further Readings 201
7.7 Exercises 201

8 Argument Structure 204
8.1 Overview 204
8.2 The Basics of Function–Argument Behavior 204
8.2.1 Formalizing Argument Structure 204
8.2.2 Argument Structure and Lexical Meaning in the Predicate 206
8.2.3 Arguments and Adjuncts 214
8.2.4 Unexpressed Arguments 218
8.3 Argument Structure in Verbs 219
8.3.1 Semantic Roles and Related Notions 220
8.3.2 Verbal Valence 224
8.4 Argument Structure in Nouns 227
8.5 Argument Structure in Adjectives 234

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

8.6 Argument Structure in Prepositions 236
8.7 Summary 240
8.8 Further Readings 242
8.9 Exercises 243

9 Lexical Aspect, Tense, and Modality 245
9.1 Overview 245
9.2 Events As Arguments of Natural Language Predicates 245
9.3 Internal Temporal Makeup of Events: Event Structure 247
9.3.1 Perspectives on Event Decomposition and Event Structure 248
9.3.2 Event Type as a Property of Phrases and Sentences 256
9.3.3 Event Type Diagnostics 258
9.3.4 Eventive Readings of Nouns and Adjectives 263
9.4 Tense–Aspect Details 268
9.5 Modality 273
9.6 Summary 279
9.7 Further Readings 281
9.8 Exercises 282

Part III Lexicon As a System 285

10 General Architecture of the Lexicon 287
10.1 Overview 287
10.2 Lexical Architecture 287
10.3 Syntactic Type Hierarchy 289
10.4 Semantic Type Hierarchy 292
10.5 Lexical-Semantic Relations 300
10.6 Morphology and Word Structure 311
10.7 Summary 316
10.8 Further Readings 318
10.9 Exercises 319

11 Compositionality in the Mapping from the Lexicon to Syntax 321
11.1 Overview 321
11.2 The Basics of Compositionality 321
11.3 Apparent Violations of Compositionality 328
11.4 Main Approaches to Compositionality 336
11.5 Non-Compositional Constructions 346
11.6 The Lexicon and Grammar: Outstanding Problems 351
11.7 Summary 355
11.8 Further Readings 356
11.9 Exercises 357

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Answers to Selected Exercises 359
Online Resources 378
Glossary 380
References 397
Subject Index 413
Name Index 419

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Figures

3.1	Agent nominalization lexical rule	*page* 68
3.2	Multiple inheritance hierarchy	69
3.3	Ditransitive construction	76
4.1	Concept FLOWER	102
5.1	The Parallel Architecture of the language faculty	122
5.2	Trajector–landmark alignment	128
5.3	Vantage point	128
5.4	Types of entities in Cognitive Linguistics	129
5.5	Naming preferences and basic level categories	135
6.1	UNCONTAINMENT image schema	164
6.2	INTO image schema	166
7.1	Aristotelian ontology	189
7.2	Classic upper ontology	189
7.3	ENTITY subtypes	193
7.4	Multiple inheritance in artifactual types	197
8.1	The Actor–Undergoer hierarchy	224
9.1	Geometric analysis of event types	253
10.1	Syntactic type hierarchy	290
10.2	Individuation tree	294
10.3	Ontological types with individuation hierarchy	295
10.4	Semantic type hierarchy (fragment)	296
10.5	Ontological types with qualia specification and individuation	296
10.6	Semantic subtyping of ENTITY	299
10.7	*-er* nominalization rule	314
10.8	*-al* adjectivization rule	315
11.1	COUNT–MASS alternation rule	337
11.2	Causative–inchoative alternation rule	338

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Tables

2.1	Differences between syntax and lexicon	*page* 30
2.2	Grammatical features	36
3.1	Distinctive features in phonology	55
3.2	Lexical field of cooking words, componential analysis	55
3.3	Types of constructions in CG	75
3.4	Lexical entry of *school*	88
3.5	Lexicon–syntax relationship in syntactic theories	89
4.1	Entailment	95
4.2	Logical conjunction	96
4.3	Logical relations through entailment	97
4.4	P presupposes Q	97
4.5	Extension of different types of linguistic expression	100
4.6	Concepts of different types of linguistic expression	104
4.7	Denotational semantic meanings of different types of linguistic expression	106
5.1	Full-blown and defective lexical items in the Parallel Architecture	123
5.2	Semantic definition of syntactic categories in Radical Construction Grammar	130
5.3	Coding of propositional act constructions in Radical Construction Grammar	130
5.4	Goodness-of-example ratings of concrete categories	133
5.5	Family resemblances in the category FRUIT	134
5.6	NSM semantic primitives (English exponents)	138
6.1	Core event types	161
6.2	THEFT frame, FrameNet	167
7.1	Semantic types	193
8.1	Illustration of the θ-criterion	221
10.1	Types of part-of relations	308
10.2	Conjugation of the German verb *öffnen* ('open')	311
11.1	Syntactic categories and their semantic types (part A)	326
11.2	Syntactic categories and their semantic types (part B)	327
11.3	Types of MWEs	348
11.4	Collocation examples in English, Spanish, and Russian	349

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Preface

This book is the first textbook on the lexicon in the Cambridge Textbooks in Linguistics series. It is intended as an in-depth introduction to the theory and structure of the lexicon in linguistics and linguistic theory. The text offers a comprehensive treatment of lexical structure and design, the relation of the lexicon to grammar as a whole, and to methods of interpretation driven by the lexicon.

The book examines the structure of lexical information within the context of both traditional and newly emerging views on the role of the lexicon in linguistic theory. No single syntactic framework in linguistics is assumed. Rather, the linguistic phenomena are observational, while the proposed mechanisms and explanations to account for these data can be seen as generally theory-neutral. Nevertheless, a strong theoretical claim is made for specific, generatively oriented, structural principles, characterizing the behavior of lexical items in relation to grammar.

Audience

This book is written for anyone interested in knowing more about the lexicon and its general design, and in using lexical data for specific tasks, both theoretical and applied. In other words, it aims at answering the following questions: (1) what is the lexicon, what does it contain, and how is it structured? (2) what principles determine the functioning of the lexicon as a component of natural language grammar? and (3) what role does lexical information play in linguistic theory (e.g., how is lexical information exploited by other components of grammar)? The approach taken is strongly data-oriented and has as one of its essential goals to provide the reader with a set of tools enabling work with lexical data for all kinds of purposes.

Having a linguistics background is not required, although a basic (introductory course level) knowledge of grammar will make the formal details and representations easier to follow. For this purpose, we suggest *A Student's Introduction to English Grammar* (Huddleston and Pullum 2005) and other references listed in Section 1.9 of Chapter 1. Two more textbooks we highly recommend for acquiring additional background on different aspects of lexical theory are *The Lexicon: An Introduction* (Ježek 2016), which covers a wide range of topics related to the

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

internal structure of the lexicon and its usage, and *Lexical Meaning* (Murphy 2010), which deals with word meaning and different approaches to its study.

This textbook can be used for both introductory and advanced courses in the study of the lexicon and for courses that touch upon different aspects of the lexicon, such as: lexical semantics, lexicography, syntax, general linguistics, computational lexicology, ontology design, etc. The book is structured in such a way that its contents are easily customizable to a specific course level, set of objectives and requirements, and instructional strategies.

Features

The overall structure of the book is uniform, where each chapter has an *Overview* and a *Summary* section, which are meant to help the student by adding context and connecting the various strands of the topic. The former is intended to introduce the content covered in the chapter and to contextualize it with respect to previously presented material. The latter sums up succinctly the main points addressed in the chapter, thus allowing the reader to reflect on what has been learnt. The *Glossary* may be used as review material, too, as it contains definitions of the key concepts introduced in the book.

Extensive problem sets offered in the *Exercises* section at the end of each chapter, as well as questions labeled as DISCUSS, which are integrated into the exposition of different topics, ensure that the students are actively engaged with the essential content and effectively acquire the necessary skills and knowledge of the topic. The discussion points are meant to ensure that the students approach the topics presented critically and open-mindedly, and are better suited for in-class activities and group discussion. The exercises may be preferably used for individual assignments and their ultimate goal is to provide the necessary feedback on the learning process results. Answers are provided in *Answers to Selected Exercises*.

Two more features are framed as boxes: CLUE/COMMENT and WARNING. The CLUE/COMMENT boxes (indicated by an image of a magnifying glass) contain additional comments (definitions, historical remarks, data from languages other than English, etc.). The WARNING boxes (indicated by an image of an exclamation mark) are meant to prevent common terminological misunderstandings and introduce important exceptions to the generalizations presented in the text.

The *Further Readings* sections provide lists of references on the topics covered in each chapter. *Primary references* are more appropriate for advanced students and as additional sources for the instructor, while *secondary references* are helpful for students who need to strengthen their background or look for a more detailed explanation of the contents included in the corresponding chapters. Additional resources available online are provided in *Online Resources*, which is structured in four sections: *General Links*, *Lexical Databases and Lexicons*, *Modern Theoretical Frameworks*, and *Corpora and Corpus Query Systems*.

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

The following brief cross-reference guide may be useful if the instructor plans on covering specific aspects of the lexicon in class:

- *word* and other key concepts in lexical study: Chapter 1
- lexical semantics: Chapters 4–7
- lexicon–syntax relations: Chapters 2, 3, 8, 11
- lexicography: Chapters 1, 6
- word meaning: Chapters 4–7
- lexical-semantic relations: Chapters 4, 10
- lexical ontology and type system: Chapter 10
- lexical morphology: Section 10.6
- syntactically and semantically oriented approaches to the lexicon: Chapters 3, 5
- lexical structures: Chapters 6–9
- verbal semantics and syntax: Sections 2.2, 2.3, 6.3.2, 6.3.3; Chapters 8, 9
- nominal semantics and syntax: Sections 2.3, 6.3.4; Chapter 7
- lexical data and empirical methods in lexicon research: Section 1.6

Organization

A general "bottom-up" pedagogic approach has been followed in organizing the book, which we believe allows one to integrate the new ideas and topics with the previous ones as the book proceeds.

Part I (*The Lexicon in Linguistic Theory*) contains three introductory chapters on the key concepts in lexical study (Chapter 1), the relation between lexicon and syntax (Chapter 2), and the relation between lexicon and semantics (Chapter 4). Chapters 3 and 5 show how these concepts have been treated in different theoretical frameworks.

The component pieces of the lexical entry are dealt with in Part II (*Lexical Structures*): they are presented at a general level in Chapter 6, and are further detailed and applied to specific syntactic categories in Chapters 7, 8, and 9.

The various threads introduced in the above chapters come together in Part III (*Lexicon As a System*), in two chapters dealing with higher levels of lexical and syntactic organization: the general architecture of the lexicon (Chapter 10) and the mapping from the lexicon to syntax and its effects on compositional interpretation of complex linguistic expressions (Chapter 11).

Conventions

The following typographical conventions are used in this book:

Bold face

Indicates new terms, followed by definitions when necessary.

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Italics
: Indicate previously introduced technical terms and signal a metalinguistic use of an expression (e.g., *book* used to refer to the word *book* in English rather than to the physical object this word represents).

SMALL CAPS
: Small capital letters signal major conceptual and linguistics categories, as well as semantic types (e.g., EVENT, LOCATION, HUMAN, etc.).

*, #, ?
: When preceding a linguistic expression, these symbols signal different acceptability judgments (i.e., whether a native speaker would judge such an expression as "good" or acceptable, or not):

  * marks *grammatically* unacceptable (ungrammatical) sequences

  # marks *semantically* and *pragmatically* odd expressions

  ?, ?? marks expressions which are not as bad as those following a star (*), but which still are perceived as more or less odd or inadequate syntactically, semantically, and sometimes pragmatically.

This icon signifies a general note, an additional comment, or a clue.

This icon indicates a warning or caution.

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-0-521-54795-6 — The Lexicon
James Pustejovsky , Olga Batiukova
Frontmatter
More Information

Acknowledgments

We are very grateful to everyone at Cambridge University Press who helped us see through this project: in the first place, Andrew Winnard, and also Lisa Pinto, Rosemary Crawley, Melissa Shivers, and David Bonamy. Many friends and colleagues from both sides of the Atlantic gave us their feedback on different parts of the manuscript or at some point discussed with us the issues it deals with: Mark Verhagen, Elena de Miguel, Annie Zaenen, Christiane Fellbaum, Lauri Karttunen, Nicholas Asher, Pier Marco Bertinetto, Elisabetta Ježek, Nikhil Krishnaswamy, Jan Hajic, Martha Palmer, and Kiyong Lee. We would also like to thank the anonymous Cambridge University Press reviewers for their valuable input. We are also in debt to our students, past and present, who we always kept in mind while writing this textbook.

James adds: I would very much like to thank my family, Sophie and Zachary, for putting up with this project for so many years. I would also like to thank Karen, for her patience and support over the past two years while we finished this book. And of course infinite thanks to Olga, for ensuring that the book would be finished at all!

Olga adds: I would like to thank my husband, Iván, for his support, encouragement, and patience in spite of all the time and energy that my work takes away from him, and also Noa for having let me finish the book and for making me the happiest person on earth with her smile. Lots of love and gratitude to my family and especially my parents Viacheslav and Valentina, who always believed in me and helped me believe in myself. And many thanks to James for having offered me the chance to undertake this exciting project with him and for everything I learnt from him.

© in this web service Cambridge University Press & Assessment www.cambridge.org