

# Head-Driven Phrase Structure Grammar

The handbook

Edited by

Stefan Müller

Anne Abeillé

Robert D. Borsley

Jean-Pierre Koenig

Draft  
of 18th March 2020, 08:42

Empirically Oriented Theoretical  
Morphology and Syntax



## Empirically Oriented Theoretical Morphology and Syntax

Chief Editor: Stefan Müller

Consulting Editors: Berthold Crysmann, Laura Kallmeyer

In this series:

1. Lichte, Timm. Syntax und Valenz: Zur Modellierung kohärenter und elliptischer Strukturen mit Baumadjunktionsgrammatiken
2. Bîlbîie, Gabriela. Grammaire des constructions elliptiques: Une étude comparative des phrases sans verbe en roumain et en français
3. Bowerman, Claire, Laurence Horn & Raffaella Zanuttini (eds.). On looking into words (and beyond): Structures, Relations, Analyses
4. Bonami, Olivier, Gilles Boyé, Georgette Dal, Hélène Giraud & Fiammetta Namer. The lexeme in descriptive and theoretical morphology.
5. Guzmán Naranjo, Matías. Analogical classification in formal grammar.
6. Julia Zinova. Russian Verbal Prefixation: A Frame Semantic Analysis
7. Müller, Stefan, Anne Abeillé, Robert D. Borsley & Jean-Pierre Koenig. Head-Driven Phrase Structure Grammar.

ISSN: 2366-3529

# Head-Driven Phrase Structure Grammar

The handbook

Edited by

Stefan Müller

Anne Abeillé

Robert D. Borsley

Jean-Pierre Koenig



Müller, Stefan, Anne Abeillé, Robert D. Borsley & Jean-Pierre Koenig (ed.). 2020.  
*Head-Driven Phrase Structure Grammar: The handbook* (Empirically Oriented  
Theoretical Morphology and Syntax ). Berlin: Language Science Press.

This title can be downloaded at:

<http://langsci-press.org/catalog/book/000>

© 2020, the authors

Published under the Creative Commons Attribution 4.0 Licence (CC BY 4.0):

<http://creativecommons.org/licenses/by/4.0/> 

ISBN: no digital ISBN

no print ISBNs!

ISSN: 2366-3529

no DOI

ID not assigned!

Cover and concept of design: Ulrike Harbort

Typesetting: Stefan Müller, Elizabeth Pankratz

Proofreading: Elizabeth Pankratz

Fonts: Linux Libertine, Libertinus Math, Arimo, DejaVu Sans Mono

Typesetting software: Xe<sub>La</sub>TeX

Language Science Press

Unter den Linden 6

10099 Berlin, Germany

[langsci-press.org](http://langsci-press.org)

Storage and cataloguing done by FU Berlin

Freie Universität  Berlin

# Contents

<b>Preface</b>	<b>v</b>
<b>Acknowledgments</b>	<b>vii</b>
<b>I Introduction</b>	
<b>1 Basic properties and elements</b> Anne Abeillé & Bob Borsley	<b>3</b>
<b>2 The evolution of HPSG</b> Dan Flickinger, Carl Pollard & Tom Wasow	<b>7</b>
<b>3 Formal Background</b> Frank Richter	<b>45</b>
<b>4 The nature and role of the lexicon in HPSG</b> Anthony Davis & Jean-Pierre Koenig	<b>81</b>
<b>5 HPSG in understudied languages</b> Douglas L. Ball	<b>129</b>
<b>II Syntactic phenomena</b>	
<b>6 Agreement</b> Stephen Wechsler	<b>167</b>
<b>7 Case</b> Adam Przepiórkowski	<b>193</b>
<b>8 Nominal structures</b> Frank Van Eynde	<b>223</b>

## *Contents*

<b>9</b>	<b>Argument structure and linking</b>	
	Stephen Wechsler, Jean-Pierre Koenig & Anthony Davis	265
<b>10</b>	<b>Constituent order</b>	
	Stefan Müller	317
<b>11</b>	<b>Clitics</b>	
	Berthold Crysmann & Gerald Penn	363
<b>12</b>	<b>Complex predicates</b>	
	Danièle Godard & Pollet Samvelian	365
<b>13</b>	<b>Control and Raising</b>	
	Anne Abeillé	425
<b>14</b>	<b>Unbounded Dependencies</b>	
	Robert D. Borsley & Berthold Crysmann	459
<b>15</b>	<b>Relative clauses in HPSG</b>	
	Doug Arnold & Danièle Godard	513
<b>16</b>	<b>Island phenomena and related matters</b>	
	Rui Chaves	575
<b>17</b>	<b>Coordination</b>	
	Anne Abeillé & Rui P. Chaves	629
<b>18</b>	<b>Idioms</b>	
	Manfred Sailer	681
<b>19</b>	<b>Negation</b>	
	Jong-Bok Kim	715
<b>20</b>	<b>Ellipsis</b>	
	Joanna Nykiel & Jong-Bok Kim	749
<b>21</b>	<b>Anaphoric Binding</b>	
	Stefan Müller & António Branco	777

### III Other levels of description

22 Morphology	
Berthold Crysmann	833

23 Semantics	
Jean-Pierre Koenig & Frank Richter	883

24 Information structure	
Kordula De Kuthy	923

### IV Other areas of linguistics

25 Processing	
Tom Wasow	961

26 Computational linguistics and grammar engineering	
Emily M. Bender & Guy Emerson	983

27 Grammar in dialogue	
Andy Lücking, Jonathan Ginzburg & Robin Cooper	1029■

28 Sign languages	
Markus Steinbach & Anke Holler	1075■

29 Gesture	
Andy Lücking	1077■

### V The broader picture

30 HPSG and Minimalism	
Robert D. Borsley & Stefan Müller	1129■

31 HPSG and Categorical Grammar	
Yusuke Kubota	1203■

32 HPSG and Lexical Functional Grammar	
Stephen Wechsler & Ash Asudeh	1263■

## *Contents*

<b>33 HPSG and Dependency Grammar</b> Dick Hudson	<b>1303■</b>
<b>34 HPSG and Construction Grammar</b> Stefan Müller	<b>1349■</b>
<b>Indexes</b>	<b>1403■</b>



# **Preface**

## **Acknowledgements**

Frank Richter, Bob Levine, Roland Schäfer



# Acknowledgments



## **Part I**

# **Introduction**

