

# Grammatical theory

From transformational grammar to  
constraint-based approaches

Stefan Müller

Textbooks in Language Sciences 1



## Textbooks in Language Sciences

Editors: Stefan Müller, Martin Haspelmath

Editorial Board: Claude Hagège, Marianne Mithun, Anatol Stefanowitsch, Foong Ha Yap

In this series:

1. Müller, Stefan. Grammatical theory: From transformational grammar to constraint-based approaches.
2. Schäfer, Roland. Einführung in die grammatische Beschreibung des Deutschen.

# Grammatical theory

From transformational grammar to  
constraint-based approaches

Stefan Müller

Stefan Müller. 2016. *Grammatical theory: From transformational grammar to constraint-based approaches* (Textbooks in Language Sciences 1). Berlin: Language Science Press.

This title can be downloaded at:

<http://langsci-press.org/catalog/book/25>

© 2016, Stefan Müller

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

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

ISBN: Digital, complete work: 978-3-944675-21-3 ;  
Hardcover: vol1: 978-3-946234-29-6; vol. 2 978-3-946234-40-1  
Softcover: vol1: 978-3-946234-30-2; vol. 2 978-3-946234-41-8  
Softcover US: vol1: 978-1-530465-62-0; vol. 2 978-1-523743-82-7

ISSN: 2364-6209

Cover and concept of design: Ulrike Harbort

Translators: Andrew Murphy, Stefan Müller

Typesetting: Stefan Müller

Proofreading: Viola Auermann, Armin Buch, Andreea Calude, Rong Chen, Matthew Czuba, Leonel de Alencar, Christian Döhler, Joseph T. Farquharson, Andreas Hölzl, Gianina Iordăchioaia, Paul Kay, Anne Kilgus, Sandra Kübler, Timm Lichte, Antonio Machicao y Priemer, Michelle Natolo, Stephanie Natolo, Sebastian Nordhoff, Parviz Parsafar, Conor Pyle, Daniela Schröder, Eva Schultze-Berndt, Alec Shaw, Benedikt Singpiel, Anelia Stefanova, Neal Whitman, Viola Wiegand

Open reviewing: Armin Buch, Leonel de Alencar, Andreas Hölzl, Gianina Iordăchioaia, Paul Kay, Dick Hudson, Paul Kay, Timm Lichte, Antonio Machicao y Priemer, Andrew McIntyre, Arne Nymos, Sebastian Nordhoff, Neal Whitman

Fonts: Linux Libertine, Arimo, DejaVu Sans Mono

Typesetting software:  $\text{\LaTeX}$

Language Science Press

Habelschwerdter Allee 45

14195 Berlin, Germany

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

Storage and cataloguing done by FU Berlin

Freie Universität



Berlin

Language Science Press 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.

For Max



# Contents

前言

xv

<b>I</b>	<b>Background and specific theories</b>	<b>1</b>
1	导言和术语	3
1.1	为什么要研究句法?	3
1.2	为什么要形式化?	5
1.3	构成成分	5
1.3.1	构成成分测试	6
1.3.2	关于成分测试法的一些看法	10
1.4	词类	16
1.5	中心语	26
1.6	论元成分与附加成分	27
1.7	语法功能	31
1.7.1	主语	32
1.7.2	状语	36
1.7.3	谓语	37
1.7.4	配价类型	38
1.8	德语小句的空间位置模型	39
1.8.1	动词的位置	39
1.8.2	句子的框架结构、前场、中场及后场	40
1.8.3	场内元素的排列	40
1.8.4	递归	45
2	Phrase structure grammar	49
2.1	Symbols and rewrite rules	49
2.2	Expanding PSG with features	55
2.3	Semantics	56
2.4	Phrase structure rules for some aspects of German syntax	59
2.4.1	Noun phrases	59
2.4.2	Prepositional phrases	68
2.5	$\bar{X}$ theory	70
3	Transformational Grammar – Government & Binding	79
3.1	General remarks on the representational format	80
3.1.1	Transformations	80

## Contents

3.1.2	The hypothesis regarding language acquisition: Principles & Parameters . . . . .	82
3.1.3	The T model . . . . .	83
3.1.4	$\bar{X}$ theory . . . . .	89
3.1.5	CP and IP in English . . . . .	92
3.1.6	The structure of the German clause . . . . .	95
3.2	Verb position . . . . .	96
3.3	Long-distance dependencies . . . . .	101
3.4	Passive . . . . .	103
3.4.1	Structural and lexical case . . . . .	104
3.4.2	Case assignment and the Case Filter . . . . .	105
3.5	Local reordering . . . . .	109
3.6	Summary and classification . . . . .	111
3.6.1	Explaining language acquisition . . . . .	112
3.6.2	Formalization . . . . .	113
<b>4</b>	<b>Transformational Grammar – Minimalism</b>	<b>121</b>
4.1	General remarks on the representational format . . . . .	121
4.1.1	Basic architecture . . . . .	122
4.1.2	Valence, feature checking, and agreement . . . . .	123
4.1.3	Phrase structure and $\bar{X}$ theory . . . . .	125
4.1.4	Little $v$ . . . . .	125
4.1.5	CP, TP, $v$ P, VP . . . . .	127
4.1.6	Adjuncts . . . . .	132
4.2	Verb position . . . . .	132
4.3	Long-distance dependencies . . . . .	132
4.4	Passive . . . . .	133
4.5	Local reordering . . . . .	136
4.6	New developments and theoretical variants . . . . .	137
4.6.1	Move, Merge, feature-driven movement and functional projections	137
4.6.2	Labeling . . . . .	147
4.6.3	Specifiers, complements, and the remains of $\bar{X}$ theory . . . . .	153
4.6.4	Minimalism, Categorical Grammar, and HPSG . . . . .	157
4.6.5	Selection of atomic features vs. selection of complex categories . . . . .	165
4.6.6	Summary . . . . .	167
4.7	Summary and classification . . . . .	167
4.7.1	Explaining language acquisition . . . . .	167
4.7.2	Formalization . . . . .	168
<b>5</b>	<b>Generalized Phrase Structure Grammar</b>	<b>173</b>
5.1	General remarks on the representational format . . . . .	173
5.1.1	Complex categories, the Head Feature Convention, and $\bar{X}$ rules . . . . .	174
5.1.2	Local reordering . . . . .	176



5.1.3	Metarules . . . . .	178
5.1.4	Semantics . . . . .	180
5.1.5	Adjuncts . . . . .	182
5.2	Passive as a metarule . . . . .	183
5.3	Verb position . . . . .	186
5.4	Long-distance dependencies as the result of local dependencies . . . . .	187
5.5	Summary and classification . . . . .	190
5.5.1	Valence and morphology . . . . .	191
5.5.2	Valence and partial verb phrase fronting . . . . .	192
5.5.3	Generative capacity . . . . .	193
<b>6</b>	<b>Feature descriptions</b>	<b>195</b>
6.1	Feature descriptions . . . . .	195
6.2	Types . . . . .	198
6.3	Disjunction . . . . .	201
6.4	Structure sharing . . . . .	201
6.5	Cyclic structures . . . . .	202
6.6	Unification . . . . .	204
6.7	Phenomena, models and formal theories . . . . .	205
<b>7</b>	<b>Lexical Functional Grammar</b>	<b>211</b>
7.1	General remarks on the representational format . . . . .	213
7.1.1	Functional structure . . . . .	213
7.1.2	Completeness . . . . .	216
7.1.3	Coherence . . . . .	216
7.1.4	Restrictions on the c-structure/f-structure relation . . . . .	217
7.1.5	Semantics . . . . .	218
7.1.6	Adjuncts . . . . .	220
7.2	Passive . . . . .	221
7.3	Verb position . . . . .	224
7.4	Local reordering . . . . .	225
7.5	Long-distance dependencies and functional uncertainty . . . . .	228
7.6	Summary and classification . . . . .	231
<b>8</b>	<b>Categorial Grammar</b>	<b>235</b>
8.1	General remarks on the representational format . . . . .	236
8.1.1	Representation of valence information . . . . .	236
8.1.2	Semantics . . . . .	238
8.1.3	Adjuncts . . . . .	239
8.2	Passive . . . . .	240
8.3	Verb position . . . . .	241
8.4	Local reordering . . . . .	243
8.5	Long-distance dependencies . . . . .	244
8.5.1	Type Raising . . . . .	244

## Contents

8.5.2	Forward and backward composition . . . . .	245
8.5.3	Analysis of long-distance dependencies . . . . .	245
8.6	Summary and classification . . . . .	247
<b>9</b>	<b>Head-Driven Phrase Structure Grammar</b>	<b>253</b>
9.1	General remarks on the representational format . . . . .	256
9.1.1	Representation of valence information . . . . .	257
9.1.2	Representation of constituent structure . . . . .	259
9.1.3	Linearization rules . . . . .	263
9.1.4	Projection of head properties . . . . .	264
9.1.5	Inheritance hierarchies and generalizations . . . . .	266
9.1.6	Semantics . . . . .	268
9.1.7	Adjuncts . . . . .	271
9.2	Passive . . . . .	274
9.2.1	Valence information and the Case Principle . . . . .	277
9.3	Verb position . . . . .	279
9.4	Local reordering . . . . .	284
9.5	Long-distance dependencies . . . . .	287
9.6	New developments and theoretical variants . . . . .	292
9.6.1	Specifier, complements and argument structure . . . . .	292
9.6.2	Linearization-based HPSG . . . . .	295
9.7	Summary and classification . . . . .	296
<b>10</b>	<b>Construction Grammar</b>	<b>301</b>
10.1	General remarks on the representational format . . . . .	303
10.1.1	The head-complement construction . . . . .	303
10.1.2	Representation of valence information . . . . .	305
10.1.3	Semantics . . . . .	305
10.1.4	Adjuncts . . . . .	305
10.2	Passive . . . . .	305
10.3	Verb position . . . . .	310
10.4	Local reordering . . . . .	312
10.5	Long-distance dependencies . . . . .	313
10.6	New developments and theoretical variants . . . . .	313
10.6.1	Berkeley Construction Grammar . . . . .	313
10.6.2	Sign-Based Construction Grammar . . . . .	317
10.6.3	Embodied Construction Grammar . . . . .	329
10.6.4	Fluid Construction Grammar . . . . .	333
10.6.5	Coordination . . . . .	341
10.6.6	Discontinuous constituents and performance models . . . . .	342
10.6.7	Discontinuity vs. Subject-Head and Head-Filler Schema . . . . .	343
10.6.8	Restricting discontinuity . . . . .	343
10.7	Summary and classification . . . . .	353

<b>11</b>	<b>Dependency Grammar</b>	<b>355</b>
11.1	General remarks on the representational format . . . . .	358
11.1.1	Valence information, nucleus and satellites . . . . .	358
11.1.2	Adjuncts . . . . .	361
11.1.3	Linearization . . . . .	361
11.1.4	Semantics . . . . .	363
11.2	Passive . . . . .	364
11.3	Verb position . . . . .	366
11.4	Local reordering . . . . .	367
11.5	Long-distance dependencies . . . . .	368
11.6	New developments and theoretical variants . . . . .	374
11.6.1	Tesnière's part of speech classification . . . . .	374
11.6.2	Connection, junction, and transfer . . . . .	375
11.6.3	Scope . . . . .	381
11.7	Summary and classification . . . . .	381
11.7.1	Linearization . . . . .	382
11.7.2	Dependency Grammar vs. phrase structure grammar . . . . .	390
<b>12</b>	<b>Tree Adjoining Grammar</b>	<b>403</b>
12.1	General remarks on representational format . . . . .	404
12.1.1	Representation of valence information . . . . .	404
12.1.2	Substitution . . . . .	404
12.1.3	Adjunction . . . . .	404
12.1.4	Semantics . . . . .	406
12.2	Local reordering . . . . .	408
12.3	Verb position . . . . .	411
12.4	Passive . . . . .	411
12.5	Long-distance dependencies . . . . .	414
12.6	New developments and theoretical variants . . . . .	415
12.6.1	FTAG . . . . .	415
12.6.2	V-TAG . . . . .	418
12.6.3	The competence-performance distinction and the generative capacity of tree-local MC-LTAG . . . . .	420
12.7	Summary and classification . . . . .	426
<b>II</b>	<b>General discussion</b>	<b>49</b>
<b>13</b>	<b>The innateness of linguistic knowledge</b>	<b>431</b>
13.1	Syntactic universals . . . . .	433
13.1.1	Head Directionality Parameter . . . . .	434
13.1.2	$\bar{X}$ structures . . . . .	435
13.1.3	Grammatical functions such as subject and object . . . . .	438

## Contents

13.1.4	Binding principles . . . . .	440
13.1.5	Properties of long-distance dependencies . . . . .	442
13.1.6	Grammatical morphemes for tense, mood and aspect . . . . .	450
13.1.7	Parts of speech . . . . .	450
13.1.8	Recursion and infinitude . . . . .	451
13.1.9	Summary . . . . .	457
13.2	Speed of language acquisition . . . . .	458
13.3	Critical period for acquisition . . . . .	459
13.4	Lack of acquisition among non-human primates . . . . .	460
13.5	Creole and sign languages . . . . .	461
13.6	Localization in special parts of the brain . . . . .	462
13.7	Differences between language and general cognition . . . . .	463
13.7.1	Williams Syndrome . . . . .	463
13.7.2	KE family with FoxP2 mutation . . . . .	463
13.8	Poverty of the Stimulus . . . . .	464
13.8.1	Gold's Theorem . . . . .	465
13.8.2	Four case studies . . . . .	469
13.8.3	Unsupervised Data-Oriented Parsing (U-DOP) . . . . .	479
13.8.4	Negative evidence . . . . .	486
13.9	Summary . . . . .	487
<b>14</b>	<b>Generative-enumerative vs. model-theoretic approaches</b>	<b>489</b>
14.1	Graded acceptability . . . . .	491
14.2	Utterance fragments . . . . .	492
14.3	A problem for model-theoretic approaches? . . . . .	494
<b>15</b>	<b>The competence/performance distinction</b>	<b>499</b>
15.1	The derivational theory of complexity . . . . .	501
15.2	Incremental processing . . . . .	504
<b>16</b>	<b>Language acquisition</b>	<b>511</b>
16.1	Principles & Parameters . . . . .	511
16.2	Principles and the lexicon . . . . .	519
16.3	Pattern-based approaches . . . . .	519
16.4	Selection-based approaches . . . . .	526
16.5	Summary . . . . .	527
<b>17</b>	<b>Generative capacity and grammar formalisms</b>	<b>529</b>
<b>18</b>	<b>Binary branching, locality, and recursion</b>	<b>535</b>
18.1	Binary branching . . . . .	535
18.2	Locality . . . . .	538
18.3	Recursion . . . . .	547

<b>19</b>	<b>Empty elements</b>	<b>549</b>
19.1	Views on empty elements . . . . .	549
19.2	Eliminating empty elements from grammars . . . . .	551
19.3	Empty elements and semantic interpretation . . . . .	556
19.4	Evidence for empty elements . . . . .	563
19.5	Transformations, lexical rules, and empty elements . . . . .	563
<b>20</b>	<b>Extraction, scrambling, and passive: one or several descriptive devices?</b>	<b>569</b>
<b>21</b>	<b>Phrasal vs. lexical analyses</b>	<b>579</b>
21.1	Some putative advantages of phrasal models . . . . .	580
21.1.1	Usage-based theories . . . . .	580
21.1.2	Coercion . . . . .	582
21.1.3	Aspect as a clause level phenomenon . . . . .	584
21.1.4	Simplicity and polysemy . . . . .	585
21.2	Evidence for lexical approaches . . . . .	587
21.2.1	Valence and coordination . . . . .	587
21.2.2	Valence and derivational morphology . . . . .	592
21.3	Radical underspecification: the end of argument structure? . . . . .	598
21.3.1	Neo-Davidsonianism . . . . .	598
21.3.2	Little <i>v</i> and idiom asymmetries . . . . .	600
21.3.3	Deverbal nominals . . . . .	602
21.3.4	Idiosyncratic syntactic selections . . . . .	605
21.3.5	Expletives . . . . .	607
21.3.6	An exoskeletal approach . . . . .	608
21.3.7	Is there an alternative to lexical valence structure? . . . . .	612
21.3.8	Summary . . . . .	613
21.4	Relations between constructions . . . . .	613
21.4.1	Inheritance hierarchies for constructions . . . . .	614
21.4.2	Mappings between different levels of representations . . . . .	618
21.4.3	Is there an alternative to lexical rules? . . . . .	621
21.5	Further problems for phrasal approaches . . . . .	621
21.5.1	Particle verbs and commitment to phrase structure configurations	621
21.6	Arguments from language acquisition . . . . .	622
21.6.1	Recognizability of constructions . . . . .	622
21.6.2	Coordination and discontinuousness . . . . .	624
21.7	Arguments from psycho- and neurolinguistics . . . . .	629
21.7.1	Lexical rules vs. phrasal constructions . . . . .	629
21.7.2	Light verbs . . . . .	631
21.7.3	Arguments from neurolinguistics . . . . .	632
21.8	Arguments from statistical distribution . . . . .	636
21.8.1	Unsupervised Data-Oriented Parsing . . . . .	636
21.8.2	Collostructions . . . . .	639
21.9	Conclusion . . . . .	639

## Contents

21.10 Why (phrasal) constructions? . . . . .	640
21.10.1 Verbless directives . . . . .	640
21.10.2 Serial verbs . . . . .	647
21.10.3 Relative and interrogative clauses . . . . .	648
21.10.4 The N-P-N construction . . . . .	651
<b>22 Universal Grammar and comparative linguistics without UG</b>	<b>655</b>
22.1 Formal tools for capturing generalizations . . . . .	655
22.2 How to develop linguistic theories that capture cross-linguistic general- izations . . . . .	659
<b>23 Conclusion</b>	<b>669</b>
<b>24 Solutions to the exercises</b>	<b>673</b>
24.1 Introduction and basic terms . . . . .	673
24.2 Phrase structure grammars . . . . .	673
24.3 Transformational Grammar – Government & Binding . . . . .	678
24.4 Generalized Phrase Structure Grammar . . . . .	680
24.5 Feature descriptions . . . . .	683
24.6 Lexical Functional Grammar . . . . .	685
24.7 Categorical Grammar . . . . .	686
24.8 Head-Driven Phrase Structure Grammar . . . . .	687
24.9 Construction Grammar . . . . .	688
24.10 Dependency Grammar . . . . .	689
24.11 Tree Adjoining Grammar . . . . .	690
<b>Index</b>	<b>51</b>
Name index . . . . .	51
Language index . . . . .	51
Subject index . . . . .	51

## **Part I**

# **Background and specific theories**





# 1 导言和术语

本章旨在探讨我们为什么要研究句法（第1.1节），以及为什么形式化的表述是非常重要的这两个问题（第1.2节）。我们将在第1.3节到第1.8节的内容中介绍基本的概念：第1.3节讲解将语流切分为小单位的若干标准。第1.4节介绍词汇聚类的规律，其中我将重点介绍动词或形容词的归类标准。第1.5节讲解中心语的概念，而有关论元和附加语的区别将在第1.6节展开。第1.7节界定了语法功能。第1.8节利用空间位置概念来描述诸如德语这类语言的小句中的空间位置。

令人遗憾的是，语言学领域里术语纷杂，难以统一。部分原因在于这些术语最初源于对某些语言的分析（例如拉丁语，英语），而后又被用于描述其他语言现象。然而，这样做并不合适，因为有些语言与其他语言区别很大，而且语言本身也在不断地发展变化。基于以上原因，有些术语的用法发生了变化或者有新的术语用来指称。

如遇到新的术语，本书将援引相关的术语或者区分出每一条术语的不同用法，这样可以方便读者将这些术语与其他文献的术语联系起来。

## 1.1 为什么要研究句法？

所有的语言表达式都有意义。据此，我们研究形式与意义之间的关系(?)。例如，“树”这个词的字形与相关的语音形式被赋予了“树”的含义。更大的语音单位可以由小的单位构成：词与词可以一起构成词组并且这些词组可以继而构成句子。

接下来的问题是：我们是否需要一个形式化的系统来表述这些句子的结构呢？就像上面，我们将“树”这个词的形式与意义对儿形式化地表述出来对于完成这些句子来说是不是不够的呢？

理论上来说，这只适用于那些由有限词语序列构成的语言。如果我们假设句子的最大长度是有限的，词长是有限的，词语的数量也是有限的，那么句子的数量也应该是有限的。但是，即使我们能限制句子的长度，可以构成的句子数量也是无限的。那么我们真正需要回答的问题是：句子的最大长度是多少呢？举例来说，我们可以把下面的句子（1）进行扩展：

- (1) a. This sentence goes on and on and on and on ...
- b. [A sentence is a sentence] is a sentence.
- c. that Max thinks that Julius knows that Otto claims that Karl suspects that Richard confirms that Friederike is laughing

句（1b）说明了“a sentence is a sentence”这组词的性质，即它是一个句子。我们也可以按照（1b）的方式来扩展句子，将这整句话也看作是一句话。（1c）是将“Friederike is laughing”和“Richard confirms”组合起来构成了一个新句子

“Richard confirms, that Friederike is laughing”。按照同样的方式，我们还可以将“Karl suspects”扩展进来。这样我们就可以将一个不太复杂的句子嵌套进来构成一个非常复杂的句子。这样就可以一句句地嵌套下去。(1c) 这类句子类似于俄罗斯套娃，也叫做“matryoshka”：每个娃娃都包含一个涂成不同颜色的更小的娃娃。(1c) 中的句子也是以同样的方式构成的，即他们包含着更小的成分，并由不同的名词和动词组成。我们可以用方括号很清楚地表示出来，如下所示：

- (2) that Max thinks [that Julius knows [that Otto claims [that Karl suspects [that Richard confirms [that Friederike is laughing]]]]]

我们可以像例(1)一样通过扩展的方式构建出又长又复杂的句子。<sup>1</sup>

对于这些组合来说，我们很难轻易地说截止到哪里是我们的语言可以接受的。(?: 208; ? : 23)。同样，如果认为这些复杂的句子被当作一个复杂的单位储存在大脑中，这样的观点也是难以令人信服的。虽然神经语言学的实验显示，高频词语或固定搭配往往以复杂的单位储存在大脑中，但是这不符合例(1)中句子的情况。再者，我们能够造出我们从未听过、说过或者写下的话语。由此，这些话语一定是有结构的，一定会有可以一遍一遍重复的模式。作为人类，我们有能力将简单的成分构成如此复杂的句子，也可以将复杂的话语分解成他们的构成成分。现在也有神经科学相关的研究可以证明，人类具有运用规则将词构成更大单位的能力。(?: 170))

当这些规则被违反时，更能证明我们是按照规则来组织语言材料的。儿童是通过他们能够接触到的语言输入来习得语言的。由此，他们可以制造出他们以前从没听过的话语：

- (3) Ich festhalte die. (Friederike, 2;6)  
I PART.hold them  
Intended: ‘I hold them tight.’

Friederike 正处在习得德语句子中定式动词位置的规则（也就是，定式动词位于第二位）的阶段。但是，她在这里是将整个动词（包括分词语素 *fest* “紧”）放在了第二位，尽管分词语素应该放在这个句子的末尾。如果我们并不期望语言仅仅是一对对的形式意义对儿组成的，那么必然会有将话语中小的成分的意义构成复杂话语的意义过程。句法就是来揭示词汇组合的方式，以及话语的结构方面的内容。比如说，有关主谓一致的知识有助于对下面的德语句子进行解释：

- (4) a. Die Frau schläft.  
the woman sleep.3SG  
‘这个女人睡着了。’  
b. Die Mädchen schlafen.  
the girls sleep.3PL  
‘这个女孩儿睡着了。’

<sup>1</sup> 也有学者认为我们有能力构建出无限长的句子(?: 117; ? : 3; Dan Everett in ? at 25:19)，乔姆斯基也这样认为(?: 341))。但这是不正确的，因为每个句子必然要在某个节点结束。即使是在乔姆斯基传统下发展起来的形式语言也没有无限长的句子。不过，有些形式语法可以描述出一系列无限地包含着有限句子的情况。(?: 13) 也可以参看 ? 和第13.1.8 节中关于语法的递归性和与语言无限论相关的观点。

- c. Die Frau    kennt    die Mädchen.  
the woman know.3SG the girls  
‘这个女人认识这些女孩儿。’
- d. Die Frau    kennen    die Mädchen.  
the woman know.3PL the girls  
‘这些女孩儿认识这个女人。’

例句（4a,b）显示，主语的单数或复数形式需要有相应的动词屈折形式来搭配。在（4c,d）中，动词带两个论元成分，而且“die Frau”和“die Mädchen”在德语中可以出现在任意一个论元位置。这些句子可以理解为此这个女人认识某人或者某人认识这个女人。不过，按照动词的屈折变化以及德语的句法规则，听话人知道对于（4c）和（4d）来说都只有一种解读。

所以说，句法就是用来发现、描写和解释这些规则、范式和结构的。

## 1.2 为什么要形式化？

在下面，我们引用了为什么要对语言进行形式化描述的两则经典论述：

在发现语言结构的过程中，对语言结构的精确建模，不管是正面的、还是负面的，都起到十分重要的作用。通过对一条不可接受的结论进行精确但是是不充分的建模过程，可以暴露出这种不充分的确切来源，并最终对语言数据有更深层次的理解。乐观来看，一个形式化的理论可以为许多问题自动提供解决方案，而不是像其他那些被精细设计的理论那样。那些晦涩的，凭直觉判定的理念既不能得到荒谬的结论，也不能得到新的、正确的结论。所以说，他们在这两个方面都没有实际的用处。我认为那些质疑过语言学理论的发展在精确和技术层面上的价值的学者们都无法认识到这种方法的巨大潜力，即严密地论证观点以及严格地将之实行在语言事实上，而不是为了避免由特设的调整以及模糊的组成方式造成的不合格的结论。（?: 5）

正如我们经常指出，但是不能过度强调的是，语言形式化的一个重要的目的就是可以使得研究者们看到一种观点的缺点的同时也看到它的优点。只有这样，我们才能使得研究变得有效率。（?: 322）

如果我们将语言的描写形式化，则便于我们对一种分析所表示的确切含义的认识。我们可以构建起该分析下可预测的内容，并排除其他的分析。另一个优势在于，精确的形式化理论可以用计算机程序能够理解的方式记录下来。这样，一个理论分析就可以作为计算过程中的语法部分来实现，如有不一致的地方就会更快地显现出来。这种语法可以用来分析大规模的数据，也叫做语料库，而且他们可以构建出语法尚无法分析的句子或者组配错误的结果。更多的有关语言学应用计算机实现方面的研究可以参看?: 163, ?: Chapter 22 和? 这几篇文献，也可参看第3.6.2节的内容。

### 1.3 构成成分

拿例（5）来说，我们可以凭直觉判断出句中有些词构成了一个单位。

- (5) Alle Studenten lesen während dieser Zeit Bücher.  
all students read during this time books  
‘在这个时候，所有的学生都在读书。’

例如，“alle”（所有的）和“Studenten”（学生）这两个词构成了一个单位，说的是某人在阅读的意思。“während”（在……时候），“dieser”（这个）和“Zeit”（时间）这三个词也组成了一个单位，意思是阅读这个动作发生的这段时间，而“Bücher”（书）是指读的对象。第一个单位本身由两部分组成，即“alle”（所有的）和“Studenten”（学生）。“während dieser Zeit”（在这个时候）这个单位也可以分成两个小部分：“während”（在……时候）和“dieser Zeit”（这个时候）。“dieser Zeit”（这个时候）也由两部分组成，跟“alle Studenten”（所有的学生）是一样的。

在前面的例（1c）中，我们用俄罗斯套娃（matryoshkas）来比喻语言中的嵌套现象。这里，我们也可以将（5）分成更小的单位，从而构成更大的单位。但是，与俄罗斯套娃的隐喻不同的是，我们不能只将小的单位放在大的单位里，而是我们可以将几个单位组成更大的单位。最好的方法就是把它想象成一套盒子系统：一个大盒子装着整个句子。在这个盒子里，还有四个小盒子，每个盒子分别装着“alle Studenten”（所有的学生），“lesen”（读），“während dieser Zeit”（在这个时候）和“Bücher”（书）。如图 1.1 所示。

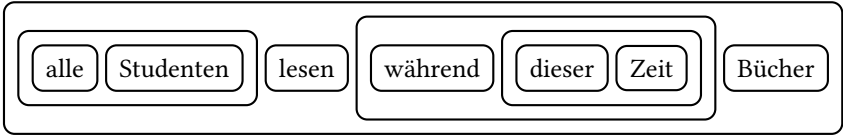


Figure 1.1: 盒子中的词与短语

在下一节，我会介绍几种不同的测验方法来判断出哪些词与其他词相比是“在一起的”。每当我说到一个词语序列的时候，通常是指一个任意的线性词语序列，它并不必须具有句法或语义上的联系，比如说例（5）中“students read during”（学生们读在）。而一组词构成一个结构单位通常叫做短语或者构成成分。短语由词构成，如“this time”（这个时候），或者由词与短语的组成，如“during this time”（在这个时候）。短语内部的成分和短语本身叫做成分。所以说，在图 1.1 中，盒子中的所有元素都是句子的构成成分。

基于上述的基本说明，我现在将介绍一些可以帮助我们判断出一个词串是否是构成成分的测试方法。

#### 1.3.1 构成成分测试

有许多方法可以用来测试词汇序列的构成成分。在下面的章节中，我会介绍其中一些方法。在第 1.3.2 节，我们还可以看到简单地盲目测试只会得到一些无用的结果。

## 1.3.1.1 替换

如果可以将一个句子内的词语序列替换为另一套不同的词语序列，而且句子的可接受程度不变，那么这个成分测试法就可以证明这些词语序列组成了一个构成成分。在例（6）中，“der Mann”（男人）可以被替换为“eine Frau”（一个女人）。这就暗示了这些词语序列都是构成成分。

- (6) a. Er kennt [den Mann].  
           he knows the man  
           ‘他认识那个男人。’  
       b. Er kennt [eine Frau].  
           he knows a woman  
           ‘他认识一个女人。’

与（7a）类似的是，字符串“das Buch zu lesen”可以被替换为“der Frau das Buch zu geben”。

- (7) a. Er versucht, [das Buch zu lesen].  
           he tries the book to read  
           ‘他正努力读这本书。’  
       b. Er versucht, [der Frau das Buch zu geben].  
           he tries the woman the book to give  
           ‘他正努力把这本书给这位女士。’

这类测验叫做替换测试。

## 1.3.1.2 代词化（代名化）

凡是能够由代词所替代的也构成一个成分。在例（8）中，我们可以用代词“er”（他）替代“der Mann”（这个男人）：

- (8) a. [Der Mann] schläft.  
           the man sleeps  
           ‘这个男人正在睡觉。’  
       b. Er schläft.  
           he sleeps  
           ‘他正在睡觉。’

我们也可以用代词来指代诸如“das Buch zu lesen”这样的成分，如下面的例（9）所示：It is also possible to use a pronoun to refer to constituents such as *das Buch zu lesen* ‘the book to read’ in (7a), as is shown in (9):

- (9) a. Peter versucht, [das Buch zu lesen].  
           Peter tries the book to read  
           ‘彼得正努力读这本书。’

## 1 导言和术语

- b. Klaus versucht das auch.  
Klaus tries that also  
‘Klaus 也努力这么做。’

代词化测试是替换测试的另一种形式。

### 1.3.1.3 疑问结构

如果一个词语序列能够用问句来提问，那么它就构成一个成分：

- (10) a. [Der Mann] arbeitet.  
the man works  
‘这个男人在工作。’  
b. Wer arbeitet?  
who works  
‘谁在工作？’

疑问结构属于一种特殊的代词化。我们可以用一种特殊类型的代词来指代词语序列。例（7a）“das Buch zu lesen”这类的成分就可以用疑问词来提问，如例（11）所示：

- (11) Was versucht er?  
what tries he  
‘他想试什么？’

### 1.3.1.4 变换测试

如有一组词语序列可以移动，而不会影响到其所在句子的合格性，那么这就意味着这个词语序列构成了一个成分。在例（12）中，“keiner”（没有人）和“diese Frau”（这个女人）可以有不同的语序排列方式，这就意味着“diese”和“Frau”是一个成分。

- (12) a. dass keiner [diese Frau] kennt  
that nobody this woman knows  
b. dass [diese Frau] keiner kennt  
that this woman nobody knows  
‘没有人认识这个女人’

从另一个角度来看，“keiner diese”在例（12a）中是无法构成一个成分的。如我们将“keiner diese”整体移动的话，我们会得到不合格的句子：<sup>2</sup>

<sup>2</sup> 我在所有的例句中都使用如下的符号：‘\*’表示句子是不合乎语法的，‘#’表示句子有着不同于常规用法的解读，最后‘\$’是指那些因语义或信息结构等方面的原因可以被解读的句子，比如说，主语必须是有生的，但是实际上我们提问的是非有生的主语，或者由于代词的使用，成分序列和已知信息的标记之间存在矛盾。

- (13) a. \* dass Frau keiner diese kennt  
b. \* dass Frau kennt keiner diese

再者，诸如例（*das Buch zu lesen*）中“the das Buch zu lesen”的成分是可以移动的：

- (14) a. Er hat noch nicht [das Buch zu lesen] versucht.  
he has PART not the book to read tried  
‘他还没有试着读这本书。’  
b. Er hat [das Buch zu lesen] noch nicht versucht.  
he has the book to read PART not tried  
c. Er hat noch nicht versucht, [das Buch zu lesen].  
he has PART not tried the book to read

### 1.3.1.5 前置

前置是更深层次的移动测试。在德语的陈述句中，只有一个成分能够前置到定式动词的前面：

- (15) a. [Alle Studenten] lesen während der vorlesungsfreien Zeit Bücher.  
all students read.3PL during the lecture.free time books  
‘所有的学生都在学期放假的时候看书。’  
b. [Bücher] lesen alle Studenten während der vorlesungsfreien Zeit.  
books read all students during the lecture.free time  
c. \* [Alle Studenten] [Bücher] lesen während der vorlesungsfreien Zeit.  
all students books read during the lecture.free time  
d. \* [Bücher] [alle Studenten] lesen während der vorlesungsfreien Zeit.  
books all students read during the lecture.free time

一个词语序列能否前置，即出现在定式动词的前面，是确定其为一个成分的重要依据。

### 1.3.1.6 并列

如有两组词语序列可以连接在一起，那么每一组词都是一个构成成分。

在例（16）中，“der Mann”和“die Frau”连在一起使用，整个短语作动词“arbeiten”（工作）的主语。这个事实可以证明“der Mann”和“die Frau”构成一个成分。

- (16) [Der Mann] und [die Frau] arbeiten.  
the man and the woman work.3PL  
‘这个男人和这个女人都工作。’

例（17）说明了带 to-不定式的词语序列可以并列：

- (17) Er hat versucht, [das Buch zu lesen] und [es dann unauffällig verschwinden zu lassen].  
he had tried the book to read and it then secretly disappear to  
let

‘他试着读这本书，然后让它静悄悄地消失。’

### 1.3.2 关于成分测试法的一些看法

如果上述的测试方法可以对每一种情况给出界限清晰的结果，那就太理想了，正如基于经验主义的句法理论也会变得更加清楚一样。不幸的是，实际情况并不是这样。成分测试实际上存在一些问题，我将在下面来具体讨论。

#### 1.3.2.1 虚位成分

在代词中有一类特殊的词，叫做虚位成分，他们并不指称人或者事物，也就是说是无指的。例（18）中的“es”（它）就是一个例子。

- (18) a. Es regnet.  
it rains  
‘下雨了。’  
b. Regnet es?  
rains it  
‘下雨了吗？’  
c. dass es jetzt regnet  
that it now rains  
‘现在正在下雨’

如例（18）所示，“es”可以用在动词前面，也可以用在动词后面。有副词的时候，它也可以与动词分开，这就意味着“es”可以被看作是一个独立的成分。无论如何，我们观察到上述的测试存在一些问题。首先，“es”在例（19a）和（20b）中有移动上限制。

- (19) a. \*dass jetzt es regnet  
that now it rains  
Intended: ‘现在正在下雨’  
b. dass jetzt keiner klatscht  
that now nobody claps  
‘现在没有人在鼓掌’  
(20) a. Er sah es regnen.  
he saw it.ACC rain  
‘他看见在下雨。’



- b. \* Es sah er regnen.  
it.ACC saw he rain  
Intended: ‘他看见下雨了’
- c. Er sah einen Mann klatschen.  
he saw a.ACC man clap  
‘他看见一个人在鼓掌’
- d. Einen Mann sah er klatschen.  
a.ACC man saw he clap  
‘一个人，他看见在鼓掌’

与 (20c,d) 中的宾格的宾语 “einen Mann” (一个男人) 不同的是, (20b) 中的形式代词不能前置。第二, 替换和疑问测试法也不适用:

- (21) a. \* Der Mann / er regnet.  
the man he rains
- b. \* Wer / was regnet?  
who what rains

类似地, 并列测试法也不适用:

- (22) \* Es und der Mann regnet / regnen.  
it and the man rains rain

这些测试方法不适用的原因是: 弱重音的代词 “es” 倾向于位于其他成分之前, 连词的后面 (18c 中的 *dass*), 以及定式动词的后面 (20a) (参考?: 570)。如果一个成分位于虚位成分的前面, 如 (19a) 所示, 那么, 整个句子就是不合乎语法的。例 (20b) 不合乎语法的原因在于宾格 “es” 不能位于小句句首的位置。尽管有这样的情况, 只有当 es 有所指的时候才是成立的 (?: 162; ? : 4)。

我们不能对其应用替换和疑问测试的方法的原因是, 这些例子中的 es 是无指的。我们可以将 es 替换为另一个虚位成分, 比如说 *das*。如果将虚位成分替换为一个有指的表达, 我们可以得到一个不同的语义解读。也就是说讨论语义上的空位概念或者用代词来指代它都是没有意义的。

这样看来不是所有的测试法都会将词的组合区分出不同的成分, 也就是说, 这些测试法并不是检验构成成分的必要条件。

### 1.3.2.2 移位

对于具有相对自由语序的语言来说, 移位测试是有问题的, 因为我们不可能总是能够准确地判断出移位的成分。例如, 例 (*gestern dem Mann*) 中的字符串 “gestern dem Mann” 就有着不同的排列顺序。

- (23) a. weil keiner gestern dem Mann geholfen hat  
because nobody yesterday the man helped has  
‘因为昨天没有人帮助了那个男人’

- b. weil      gestern      dem Mann keiner      geholfen hat  
because yesterday the man nobody helped has  
‘因为昨天没有人帮助了那个男人’

我们可以推断出, *gestern* (昨天) 和 *dem Mann* (那个男人) 虽然说一起移位的, 但是它们并不能构成一个成分。对于 (23) 中语序变化的另一个解释是副词可以在小句的不同位置出现, 而且只有 (23b) 中的 “*dem Mann*” 移到了 “*keiner*” 的前面。不管在什么情况下, “*gestern*” 和 “*dem Mann*” 都没有语义关系, 而且不可能用一个代词来指称他们。尽管看上去是, 这个部分按照一个单位来移动, 可实际上我们知道不可能认为 “*gestern dem Mann*” 构成了一个成分。

### 1.3.2.3 前置

正如我们在 (15) 中所讨论的, 定式动词前的位置一般由一个成分充当。在定式动词前能否放置一组词被用来判断成分状态的明确标记, 这种方法还用在了 *Satzglied* 这个术语的定义中。(Satzglied 在德语语法中是指小句层面的句子成分)(?: 783)). ?提出了一个例子, 而这个例子在?中已经找不到了:<sup>3</sup>

句子成分测试是一个应用话题化的方式来对复杂成分进行分析的过程。由于话题化只允许一个单独的成分移到句子的开头, 复杂的成分序列, 比如说副词短语, 实际上包括一个或多个组成成分。在 “*Ein Taxi quält sich im Schrittempo durch den Verkehr*” (出租车正在以步行的速度顽强地前进) 这个例子中, “*im Schrittempo*” (以步行的速度) 和 “*durch den Verkehr*” (通过交通) 都是句子成分, 因为他们都可以彼此独立地进行前置。(?: 446)

前面这段引言预示了如下的内容:

- 如果一部分语言材料可以各自独立地前置, 那么这部分材料不构成一个成分。
- 如果语言材料可以一起前置, 那么这部分材料构成一个成分。

接下来我们会看到这两种说法都是有问题的。第一个观点在 (24) 中就站不住脚:

- (24) a. Keine Einigung erreichten Schröder und Chirac über den Abbau der  
no agreement reached Schröder and Chirac about the reduction of the  
Agrarsubventionen.<sup>4</sup>  
agricultural.subsidies  
‘Schröder 和 Chirac 不能就农业补贴的减少达成一致。’
- b. [Über den Abbau der Agrarsubventionen] erreichten Schröder und  
about the reduction of the agricultural.subsidies reached Schröder and  
Chirac keine Einigung.  
Chirac no agreement

<sup>3</sup> 句子成分测试, 也写作 *Konstituententest*。

<sup>4</sup> 《每日新闻》, 2002 年 10 月 15 日, 晚八点。

尽管“keine Einigung über den Abbau der Agrarsubventionen”这个名词短语的一部分可以独立地前置，在例（25）中我们仍可将没有前置的整个词串分析为一个名词短语。

- (25) Schröder und Chirac erreichten [keine Einigung über den Abbau der  
Schröder and Chirac reached no agreement about the reduction of the  
Agrarsubventionen].  
agricultural.subsidies

“über den Abbau der Agrarsubventionen”（关于缩减农业补贴）这个介词短语在语义上依存于“Einigung”（一致），如例（26）所示：

- (26) Sie einigen sich über die Agrarsubventionen.  
they agree REFL about the agricultural.subsidies  
‘他们在农业补贴方面达成了一致。’

这个词语序列也可以一起前置：

- (27) [Keine Einigung über den Abbau der Agrarsubventionen] erreichten  
no agreement about the reduction of the agricultural.subsidies reached  
Schröder und Chirac.  
Schröder and Chirac

在理论文献中，人们普遍认为“keine Einigung über den Abbau der Agrarsubventionen”构成了一个成分，并且它可以在一定的情况下进行“分裂”。

在这种情况下，如我们在例（25）中看到的，次级构成成分是可以各自独立移动的。(?)

第二个观点也是有问题的，如下例（28）所示：

- (28) a. [Trocken] [durch die Stadt] kommt man am Wochenende auch mit der  
dry through the city comes one at.the weekend also with the  
BVG.<sup>5</sup>  
BVG

‘With the BVG, you can be sure to get around town dry at the weekend.’

- b. [Wenig] [mit Sprachgeschichte] hat der dritte Beitrag in dieser Rubrik  
little with language.history has the third contribution in this section  
zu tun, [...] <sup>6</sup>  
to do

‘这一节中的第三篇文章与语言历史没有太多的关系。’

在例（28）中，定式动词前有多个组成成分，而且这些成分之间没有明显的句法或语义上的联系。在下面的章节中，我们会详细解释什么叫做“句法或语义关系”。在这一点上，我仅指出（28a）中的形容词 trocken（干燥）将 man（人）作为它的主语，并进一步说明了有关“穿越城市旅行”的动作，这是因为它指称了动词所指的动作。如（29b）所示，“durch die Stadt”（穿过城市）不能与形容词 trocken（干燥）相组合。

- (29) a. Man ist / bleibt trocken.  
one is stays dry

‘有人保持干燥。’

- b. \*Man ist / bleibt trocken durch die Stadt.  
one is stays dry through the city

所以说，形容词 trocken（干燥）与介词短语“durch die Stadt”（穿越城市）之间不具有句法或语义上的联系。这些短语的共性在于他们都指向动词并且与它有依存关系。

有学者认为应该把（28）的例子看作是例外。不过，正如我在相关的经验主义的研究中指出的，这种方法也是有问题的(?)。

如果我们根据是否能通过前置测试而将“durch die Stadt”看作是一个成分，那么我们必须承认例（30）中的“durch die Stadt”也是一个成分。这么做的结果是，我们会低估对构成成分这个术语的定义，因为构成成分测试的目的就是为了找到词串间的语义与语法联系。<sup>7</sup>

<sup>5</sup> taz berlin, 10.07.1998, p. 22.

<sup>6</sup> Zeitschrift für Dialektologie und Linguistik, LXIX, 3/2002, p. 339.

<sup>7</sup> 这些数据可以这样来解释，即假设一个空动词的中心语位于定式动词的前面，继而保证了在定式动词前只有一个成分位于首位的要求。(??)无论如何，这类数据对于组成成分测试来说都是有问题的，因为这些测试是专门用来区分例（30）中的“trocken”和“durch die Stadt”，以及“mit Sprachgeschichte”这类字符串是否是构成成分的。

- (30) a. Man kommt am Wochenende auch mit der BVG trocken durch die  
 one comes at.the weekend also with the BVG dry through the  
 Stadt.  
 city  
 ‘With the BVG, you can be sure to get around town dry at the weekend.’
- b. Der dritte Beitrag in dieser Rubrik hat wenig mit Sprachgeschichte zu  
 the third contribution in this section has little with language.history to  
 tun.  
 do  
 ‘The third contribution in this section has little to do with language history.’

所以说，对于给定词语序列是否能够前置的判断并不足以测试组成成分的状态。

我们也能看到这样的情况，虚位成分也被看作是组成成分，尽管事实是宾格的虚位成分并不能前置（cf. (20a)）：

- (31) a. Er bringt es bis zum Professor.  
 he brings EXPL until to.the professor  
 ‘He makes it to professor.’
- b. # Es bringt er bis zum Professor.  
 it brings he until to.the professor

还有其他成分也不能前置。隐含的虚位成分就是一个很好的例子：

- (32) a. Karl hat sich nicht erholt.  
 Karl has REFL not recovered  
 ‘卡尔还没有恢复。’
- b. \* Sich hat Karl nicht erholt.  
 REFL has Karl not recovered

由此可见，前置不是成分测试的必要条件。这样的话，一个给定词串能否前置对于组成成分的状态来说既不是充分也不是必要的条件了。

#### 1.3.2.4 并列

在例（33）中的并列结构也被证明是有问题的：Coordinated structures such as those in (33) also prove to be problematic:

- (33) Deshalb kaufte der Mann einen Esel und die Frau ein Pferd.  
 therefore bought the man a donkey and the woman a horse  
 ‘所以说，这个男人买了一头驴，这个女人买了一匹马。’

乍看上去，“der Mann einen Esel”（这个男人一头驴）和“die Frau ein Pferd”（这个女人一匹马）在例（33）中是并列的。这是不是说“der Mann einen Esel”和“die Frau ein Pferd”分别构成一个组成成分呢？

## 1 导言和术语

正如利用其他成分测试方法所证明的那样，这个观点并不是如它看上去那样的。这组词不能作为一个单位来整体移动：<sup>8</sup>

- (34) \*Der Mann einen Esel kaufte deshalb.  
the man a donkey bought therefore

我们也不能替换这个组成成分，除非有省略的情况。

- (35) a. #Deshalb kaufte er.  
therefore bought he  
b. \*Deshalb kaufte ihn.  
therefore bought him

代词不能填充到 *kaufen* 的两个逻辑论元的位置上，而是由 (33) 中的 “*der Mann*” 和 “*einen Esel*” (33 中的驴子成分) 来填充的，只不过是每个位置有一个成分。对于例 (33) 这类例子的判断也有不同的观点，(?) 认为这里的两个动词 “*kauft*”，其中只有一个是显性的。

- (36) Deshalb kaufte der Mann einen Esel und kaufte die Frau ein Pferd.  
therefore bought the man a donkey and bought the woman a horse

这就意味着，即使 “*der Mann einen Esel*” 和 “*die Frau ein Pferd*” 看上去是并列结构，实际上并列的成分是 “*kauft der Mann einen Esel*” 和 “(*kauft*) *die Frau ein Pferd*”。

我们在上面的讨论中得到的结论是：即使一个给定的词语序列通过了某种成分测试法，这并不意味着我们能够自动从这个测试中推导出它是一个组成成分，也就是说，上面的测试并不是判断组成成分的充分条件。

综上所述，这些测试方法对于判断一组词的组成成分来说既不是充分条件也不是必要条件。但是，只要我们对有争议的地方保持清醒的认识，我们就会大概知道如何来判断组成成分了。

## 1.4 词类

例 (37) 中的词不仅意义不同，其他方面也有所不同。

- (37) Der dicke Mann lacht jetzt.  
the fat man laughs now  
‘那个胖男人正在大笑。’

句中的每一个词都有一定的限制。常见的练习就是将具有共同属性的词归为一类。比如说，“*der*” 是一个冠词，*Mann* 是一个名词，“*lacht*” 是一个动词，“*jetzt*” 是一个副词。如例 (38) 所示，我们可以将例 (37) 中的词替换为相同词类的词。

<sup>8</sup> 定式动词前的位置也叫作前场 (Vorfeld) (参看 1.8 节)。德语中，假定的多项成分前置在某些情况下是可能的。例如前面章节中，尤其是第 14 页的例 (28) 的句子。例 (34) 也是一个例子，对于 “*kaufen*” (买) 这类动词来说，主语在前场的位置上是比较少见的，因为这种前置的结构与信息结构有关。我们也可以比较? 有关前置动词短语的主语的研究，以及?: 72 有关显性多重前置的主语前置方面的研究。

- (38) Die dünne Frau lächelt immer.  
the thin woman smiles always  
‘那个瘦女人一直在微笑。’

但是，并不是所有的词都能替换。比如说，我们不能替换成反身动词“erholt”（恢复）或者例（38）中替换成表示第二人称的动词“lächelst”。把词归入相应的词类并不是这样简单的。我们还要考虑给定词的属性。在这一节，我们会讨论不同的词类，并在下一节深入探讨描述一个词类的若干属性。

词类中最为重要的有动词、名词、形容词、介词和副词。很多年前，我们会区分动作类词，描述类词和命名类词。但是这些说法都被证明是有问题的，如下所示：

- (39) a. die Idee  
the idea  
b. die Stunde  
the hour  
c. das laute Sprechen  
the loud speaking  
‘（动作）大声说话’  
d. Die Erörterung der Lage dauerte mehrere Stunden.  
the discussion of the situation lasted several hours  
‘有关这个情形的讨论已经持续了几个小时。’

（39a）并不能描述一个实体，（39b）描述的是一段时期，（39c）和（39d）描述动作。很清楚的说，“Idee, Stunde, Sprechen 和 Erörterung”在意义上有很大的区别。无论如何，这些词仍在很多方面与“Mann”和“Frau”有相同之处，所以它们被归为名词。

“动作类词”这个术语不能在科学的语法中用来指称动词了，因为动词并不一定指称动作：

- (40) a. Ihm gefällt das Buch.  
him pleases the book  
‘他喜欢这本书。’  
b. Das Eis schmilzt.  
the ice melts  
‘冰融化了。’  
c. Es regnet.  
it rains  
‘下雨了。’

我们也可以将 Erörterung（“讨论”）归入动作类动词。形容词并不总是描述事物的属性。在下面的例子中，相反的情况是真实存在的，即将一个杀人犯的特质表示为一种可能性或者猜测性。

## 1 导言和术语

- (41) a. der mutmaßliche Mörder  
the suspected murderer  
b. Soldaten sind potenzielle Mörder.  
soldiers are potential murderers

在例(41)中的形容词实际上并没有提供所描述实体的特征信息。我们也希望将例(42)中的 lachende (笑) 看作是一个形容词。

- (42) der lachende Mann  
the laughing man

不过, 如果我们将属性和行为作为分类的标准, 那么 “lachend” 在技术层面上来说应该属于动作类词。

与语义标准不同的是, 决定词类的标准通常是形式上的标准。词的不同形式也要纳入考察的范围。所以, 举例来说 lacht (笑) 在例(43)中有如下几种形式。

- (43) a. Ich lache.  
I laugh  
b. Du lachst.  
you.SG laugh  
c. Er lacht.  
he laughs  
d. Wir lachen.  
we laugh  
e. Ihr lacht.  
you.PL laugh  
f. Sie lachen.  
they laugh

德语也有过去式、命令式、虚拟语气和不定式(助词和带 zu 与不带 zu 的不定式)的形态变化。这些形式就构成了动词的屈折范式。时态(现在式、过去式、将来式), 情态(陈述语气、虚拟语气、命令语气), 人称(第 1, 2, 3 人称)和数(单数、复数)都在屈折范式中有所体现。在有些范式中这些形式有所重合, 如例(43c), 例(43e), 例(43d)和例(43f)所示。

与动词相似的是, 名词也有屈折范式:

- (44) a. der Mann  
the.NOM man  
b. des Mannes  
the.GEN man.GEN  
c. dem Mann  
the.DAT man  
d. den Mann  
the.ACC man



- e. die Männer  
the.NOM men
- f. der Männer  
the.GEN men
- g. den Männern  
the.DAT men.DAT
- h. die Männer  
the.ACC men

我们根据性（阴性、阳性和中性）来区分名词。性一般是纯形式上的性质，只是部分地受到生物性别或者我们描述特定物体的事实的影响。

- (45)
- a. die Tüte  
the.F bag(F)  
‘包’
  - b. der Krampf  
the.M cramp(M)  
‘夹子’
  - c. das Kind  
the.N child(N)  
‘孩子’

与性相似的是，格（主格、属格、与格、宾格）与数对名词性范式来说也是同样重要的。

与名词相似的是，形容词也有性、数和格的屈折变化。不过，这些变化与名词不同，因为性的标示是可变的。形容词则可以与这三种性一同使用。

- (46)
- a. eine kluge Frau  
a.F clever.F woman
  - b. ein kluger Mann  
a clever.M man
  - c. ein kluges Kind  
a clever.N child

除了性数格，我们也可以区分其他几种屈折类型。传统上来说，我们区分形容词的强、中和弱变化。这些屈折类与定冠词的形式与有无是密切相关的：

- (47)
- a. ein alter Wein  
an old wine
  - b. der alte Wein  
the old wine
  - c. alter Wein  
old wine

## 1 导言和术语

另外，形容词也有比较级和最高级：

- (48) a. klug  
      clever  
      b. klüg-er  
          clever-er  
      c. am klüg-sten  
          at.the clever-est

并不是所有的形容词都有比较级。对于那些指称终结点的形容词来说只能用在肯定式中，如果有一个最优解，那么就没有更好的了。所以说，我们不能说一个“更好的最优”方案。相似的是，也不能比死“更死”的了

特殊情况是一些颜色形容词以“a”结尾，如德语的 lila（紫色）和 rosa（粉色），这些词的屈折形式上是可选的（49a），没有屈折变化的形式也是可行的：

- (49) a. eine lilan-e Blume  
      a purple-r flower  
      b. eine lila Blume  
      a purple flower

上述例子中，lila 可以归为形容词。这是因为他们与其他形容词处于同样的位置上，并且在屈折变化上与形容词的变化是一致的。

迄今我们所讨论的词类与屈折变化属性的概念是不同的。对于那些没有屈折变化的词而言，我们需要用到额外的标准。比如说，我们可以通过他们出现的句法环境来判别词类（正如我们对上面有屈折变化的形容词所做的那样）。我们可以区分出介词、副词、连词、感叹词，有时也可以区分出助词。介词是指那些与名词共现，并决定这些名词的格属性的一类词：

- (50) a. in diesen Raum  
      in this.ACC room  
      b. in diesem Raum  
      in this.DAT room

‘wegen（因为）通常看作是前置词，尽管它也会出现在名词后，后者在技术层面上处理为后置词：

- (51) des Geldes wegen  
      the money.GEN because  
      ‘由于钱的原因’

如果希望对词的位置的说明保持中立的话，那么你也可以将之称为“adpositions”（介词）。

与介词不同的是，副词不需要带名词短语。

- (52) a. Er schläft in diesem Raum.  
      he sleeps in this room

- b. Er schläft dort.  
he sleeps there

有时，副词仅是简单地被看作是前置词的一种特殊形式（参看第 90 页）。对于这个观点的解释是，前置词短语如 *in diesem Raum*（在这间房间里）与相应的副词的表现是完全一致的。与 *dort*（那儿）不同的是，它需要带一个额外的名词短语。我们也可以在其他词类中找到类似的区别。例如，动词 *schlafen*（睡觉）需要带一个名词短语，而 *erkennen*（认识）需要带两个。

- (53) a. Er schläft.  
he sleeps  
b. Peter erkennt ihn.  
Peter recognizes him

连词分为从属连词和并列连词。并列连词包括 *und*（和）与 *oder*（或者）。在并列结构中，两组具有同样句法属性的词被组合起来。他们在形式上是彼此有联系的。*Dass*（这个）与 *weil*（因为）这两个连词是从属连词，因为他们引导的小句从属于一个更大的句子。

- (54) a. Klaus glaubt, dass er lügt.  
Klaus believes that he lies  
'Klaus 认为他在说谎。'  
b. Klaus glaubt ihm nicht, weil er lügt.  
Klaus believes him not because he lies  
'Klaus 不相信他，因为他在说谎。'

感叹词类似于小句表达式。如 *Ja!*“是的！”，*Bitte!*“请！”，*Hallo!*“你好！”，*Hurra!*“好耶！”，*Bravo!*“太棒啦！”，*Pst!*“嘘！”，*Plumps!*（扑通！）

如果副词和介词不能归入某个特定的类别，那么副词就通常被看作是一种没有屈折变化的“剩余”类，其他的介词，连词或者感叹词都不能归入副词。有时这种“剩余”类是需要进一步划分的：只有那些出现在定式动词前的用作一个成分的词可以被看作是副词。这些不能前置的词被称为助词。这些助词可以根据他们不同的功能而归入不同的类别中，如程度助词和言外助词。由于这些基于功能的分类标准也包括了介词，但是我不作这种区分，只是将之归为副词。

我们已经将一些具有屈折变化的词归入不同的词类中了。如果需要进行词类划分，我们可以利用图 1.2 来进行判断，该图摘自德语杜登语法 (?: 133)。<sup>9</sup>

Figure 1.2: Decision tree for determining parts of speech following ??: 133

如有一个词根据时态而变化，那么它就是动词。如果它有不同的变化式，那么就需要看是否有固定的性。如果是这样的，那么就需要知道我们是不是在分析一个名词。具有不同性的词汇需要检查他们是否有比较级。如果是，那它可能是形容词。

<sup>9</sup> 《杜登》是德语正字法的官方文件。杜登语法没有取得官方的地位，但是它也非常具有影响力，并且用于教学之中。在导言这部分内容中，我会经常引用这一重要文献。

其他的词就归入剩余的类别中，Duden 语法将之称为代词或冠词。对于没有屈折变化的元素来说，这个剩余类别中的元素可以根据他们的句法行为来进一步划分。杜登语法对代词和冠词进行了区分。基于这个分类标准，代词是那些可以替代诸如 *der Mann*（男人）的名词短语的词。而冠词通常与名词相组合。在拉丁语法中，代词包括上面所说的代词和冠词，因为它们带不带名词在形式上是一样的。在过去的几百年间，形式发生了分裂变化，在当代罗曼语族的语言中需要区分那些可以替代名词短语的词与必须与名词短语共现的词。后一种类别的词也叫做限定词。

如果我们按照图 1.2 的决策树来分析，人称代词“*ich*”（我），“*du*”（你），“*er*”（他），“*sie*”（她），“*es*”（它），“*ihr*”（你们）和“*sie*”（他们）都可以跟属格代词“*mein*”（我的），“*dein*”（你的），“*sein*”（他/它的），“*ihr*”（她的/他们的）和“*unser*”（我们的）归为一类。相应的反身代词“*mich*”（我自己），“*dich*”（你自己），“*sich*”（他/她/它/他们自己），“*uns*”（我们自己），“*euch*”（你们自己）和交互代词“*einander*”（互相）在德语中是特殊的一类，因为他们没有不同的性的格式。交互代词没有格的形态变化。我们用交互代词替代属格、与格和宾格代词，无法看到“*einander*”（交互）的格的变化形式，因为他们的格式是一样的：

- (55) a. *Sie gedenken seiner / einander.*  
           they commemorate him.GEN each.other  
       b. *Sie helfen ihm / einander.*  
           they help him.DAT each.other  
       c. *Sie lieben ihn / einander.*  
           they love him.ACC each.other

所谓的代副词“*darauf*”（在那儿），“*darin*”（在这儿），“*worauf*”（在哪儿），“*worin*”（在哪儿）也是有问题的。这些形式都包括一个介词（如“*auf*”（在……上））和“*da*”（那儿）以及 *wo*（哪儿）。正如其名称所示的，代副词包括代词性成分，而这个成分只能是“*da*”（那儿）和“*wo*”（哪儿）。但是，“*da*”（那儿）和“*wo*”（哪儿）并不具有屈折变化，所以说按照决策树的划分，应该将之归为代词。

例（56）中的相对代词也是类似的：

- (56) a. *Ich komme eben aus der Stadt, wo ich Zeuge eines Unglücks gewesen*  
           I come PART from the city where I witness of.an accident been  
           bin.<sup>10</sup>  
           am  
           ‘在我来自的那个城市里，我亲眼目睹了一个事故。’  
       b. *Studien* haben  
           研究表明，事故更多发生在没有斑马线的地方，因为司机们更易疏忽。  
           zeigt, daß mehr Unfälle in Städten passieren, wo die Zebrastreifen abgebaut

<sup>10</sup> ?; 672.

werden, weil die Autofahrer unaufmerksam werden.<sup>11</sup>

‘Studies have shown that there are more accidents in cities where they do away with zebra crossings, because drivers become unattentive.’

- c. Zufällig war ich in dem Augenblick zugegen, wo der Steppenwolf  
coincidentally was I in the moment present where the Steppenwolf  
zum erstenmal unser Haus betrat und bei meiner Tante sich einmietete.<sup>12</sup>  
to.the first.time our house entered and by my aunt REFL took lodgings  
‘令人意外的是，我恰好亲眼看见了荒原狼第一次闯进了我们的房子，并  
在我姑姑那里住下来了。’

根据上面的决策树所示，如果他们没有屈折变化，则不能归入代词。?: 277 指出 wo 是一种没有屈折变化的关系代词，并且指明这种描述与名词性的用法是不同的，因为名词是有屈折变化的元素。由此，他用关系副词来指称他们（参见?: §856, §857）。

同样也有与名词相联系的关系词 dessen（他们）和 wessen（他们）的用法。

- (57) a. der Mann, dessen Schwester ich kenne  
the man whose sister I know  
b. Ich möchte wissen, wessen Schwester du kennst.  
I would like know whose sister you know  
‘我想知道你认识谁的姐妹。’

根据杜登的分类标准，这些词被看作是“关系冠词”和“疑问冠词”。他们通常被看作是关系代词和疑问代词的一部分（参见?: 229）。如果按照 Eisenberg 提出的术语来看，这些词的归类问题是不具有争议的，因为他没有对冠词、代词和名词进行区分，而是将它们都归为名词类。但是对于那些提出需要区分出冠词和代词的学者来说，疑问代词也是一个经常探讨的问题，即他们可以作为冠词使用，也可以替代一个名词短语。

我们应须知，“代词”这个术语通常只是指那些能够指代其他实体的词，这点是非常重要的，这里所指的指代不是指像“书”和“约翰”等名词那样的指代，而是指依赖于语境的指代关系。例如，人称代词 er（他）既可以指桌子也可以指人。“代词”的这种用法与图 1.2 中的决策树是不同的，而且它还包括那些没有屈折变化的词，如 da（那儿）和 wo（哪儿）。

虚指代词，如’es’（它），’das’（这个）及’sich’（自己）这类反身动词，并不指代实际的物体。由于形式上的相似性，我们将之看作是代词。即使我们假定要对代词采用狭义的界定，我们也只会得到错误的结论，因为虚指词的形式并没有根据性、数和格而发生变化。如果我们按照教材中的分类标准，虚指成分可以归入无屈折变化的类型中。如果我们假定 es（它）与人称代词一定具有相同的主格和宾格形式，那么就可以将它们归入名词。这样我们就需要认为 es 是有性的，但是这样是讲不通的。这样，我们便将’es’看作是与人称代词相似的中性名词。

<sup>11</sup> taz berlin, 03.11.1997, p. 23.

<sup>12</sup> Herman Hesse, *Der Steppenwolf*. Berlin und Weimar: Aufbau-Verlag. 1986, p. 6.

## 1 导言和术语

我们还没有讨论例(58)中斜体的词:

- (58) a. das *geliebte* Spielzeug  
the beloved toy
- b. das *schlafende* Kind  
the sleeping child
- c. die Frage des *Sprechens* und *Schreibens* über Gefühle  
the question of the talking and writing about feelings  
'有关讨论和书写感情的问题'
- d. Auf dem Europa-Parteitag fordern die *Grünen* einen ökosozialen  
on the Europe-party.conference demand the Greens a eco-social  
Politikwechsel.  
political.change  
'在欧洲党会中, 绿党要求生态社会性的政治变革.'
- e. Max lacht *laut*.  
Max laughs loudly
- f. Max würde *wahrscheinlich* lachen.  
Max would probably laugh

'geliebte' (被爱)和'schlafende' (正在睡觉)是'lieben' (爱)和'schlafen' (睡觉)的分词形式。这些形式传统上被看作是动词范式的一部分。从这个角度来看, 'geliebte'和'schlafende' 是动词。这些形式可以归入词汇词的类别, 即术语'lexeme' (词位)。屈折范式的所有形式都属于相应的词位。传统意义上来看, 这个术语还囊括了规则变化的屈折形式。也就是说, 助词和名词化不定式也属于动词性词位。不过, 不是所有的语言学家都持这一观点。问题在于我们将动词性范式与名词性和形容词性范式的概念混在一起了。比如说, 'Sprechens 'speaking.gen'' 是属格, 并且形容词助词也有性、数和格的屈折变化。进而, 我们并不清楚为什么'schlafende 'sleeping'' (正在睡觉)应该归入动词词位, 以及名词'Störung' (混乱)单属于一个词位, 而不是'stören 'to disturb'' (打扰)这个词位。我倾向于现代语法的解释, 即随着词类发生变化, 新的词位被创造出来。最终, 'schlafende 'sleeping'' 不属于词位'schlafen 'to sleep'', 而是词位 schlafend 在形式上的变化。这个词位属于形容词类并且有相应的屈折变化。

正如我们所看到, 至今仍然难以区分屈折与派生(产生新的词位)。?: 263-264 认为, 英语中的现在分词与过去分词属于派生形式, 而在法语中则随着性数而发生屈折变化。

例(58d) *Grünen* 'the Greens' 是名词化的形容词, 在德语中, 当文中没有其他名词时, 它就与其他名词一样将首字母大写。

- (59) A: Willst du den roten Ball haben?  
want you the red ball have  
'你想要这个红色的球吗?'

B: Nein, gib mir bitte den grünen.  
 no give me please the green  
 ‘不，请给我那个绿色的，谢谢。’

在例 (59) 的答句中，名词 “ball” (球) 被省略了。在例 (d58) 中则没有这种省略形式。我们也可以认为这里是词类发生了变化。如果一个词的词类发生了变化，但是并没有加上可见的词缀，那么，我们可以把这类现象叫做词类的转化。有些语言学家认为转化是词汇派生的一个次级类型。但是，问题是 “Grüne” (绿色) 就像形容词一样有屈折变化，并且会随着宾语的所指的性的不同而有所变化。

- (60) a. Ein Grüner hat vorgeschlagen, ...  
 a green.M has suggested  
 ‘绿党的一位 (男性) 成员提出了建议 ...’  
 b. Eine Grüne hat vorgeschlagen, ...  
 a green.F has suggested  
 ‘绿党的一位 (女性) 成员提出了建议 ...’

我们也会遇到一个词兼有两种属性的情况。我们可以将之称为名词化的形容词。“Grüne” (绿色) 的词汇范畴是形容词，而它的句法范畴是名词。

在例 (58e) 中的词可以像形容词一样屈折变化，所以它在我们的测试中被归为形容词。有时，一些形容词也被叫做是副词。这是因为这些形容词的非屈折形式与副词很像：

- (61) Max lacht immer / oft / laut.  
 Max laughs always often loud  
 ‘Max (总是 / 经常) (大声地) 笑。’

为了描述这些词的双重特征，一些研究者认为有必要区分他们的词汇范畴与句法范畴。“loud (ly)” 的词汇范畴上形容词，而句法范畴上则属于副词。但是对于例 (61) 中的 “loud (ly)” 的这种分类方法并不被所有的学者所认可。相反，有些人认为这是形容词的副词性用法，也就是说，他们认为这些词的句法范畴仍是形容词，但是它们的用法可以不同，这样就像一个副词 (参看?: Section 7.3,)。这和介词的情况很像，介词也可以出现在不同的句法语境中：

- (62) a. Peter schläft im Büro.  
 Peter sleeps in.the office  
 ‘彼得在办公室里睡觉。’  
 b. der Tisch im Büro  
 the table in.the office  
 ‘办公室里的桌子’

在例 (62) 中，我们有两个介词短语的例子；但是，例 (62a) 中的 “im Büro” (在办公室里) 像副词一样，因为它修饰的是动词 “schläft” (睡觉)，而在例 (62b) 中的 “im Büro” (在办公室里) 修饰是名词 “Tisch” (桌子)。同样，可以修饰名词 (63) 或动词 (61)。

- (63) die laute Musik  
the loud music

## 1.5 中心语

一个构成成分或短语的中心语决定了这个构成成分或短语的最重要的属性。同时，中心语也决定了这个短语的构成，即中心语要求在短语中有其他要素的共现。如下例所示（中心语用斜体表示）：

- (64) a. *Träumt* dieser Mann?  
dreams this.NOM man  
‘这个人做梦吗？’  
b. *Erwartet* er diesen Mann?  
expects he.NOM this.ACC man  
‘他在等这个人吗？’  
c. *Hilft* er diesem Mann?  
helps he.NOM this.DAT man  
‘他在帮助这个人吗？’  
d. *in* diesem Haus  
in this.DAT house  
e. ein *Mann*  
a.NOM man

动词决定它们的论元的格属性。在例（64d）中，介词决定名词短语（这个房子）的格属性（与格），也决定这个短语的语义（它描述了一个位置）。例（64e）是有争议的：有学者认为限定语是中心语（???: 90;????），而其他学者认为名词是中心语（?:?: 49;?:?: Section 6.6.1;?:?）。

中心语与其他成分的组合叫做中心语的投射。保证短语合法性所需的所有要素的投射叫做最大投射。一个句子就是定式动词的最大投射。

图 1.3 on the following page 以方框的形式显示了例（65）的结构。

- (65) Der Mann liest einen Aufsatz.  
the man reads an essay  
‘这个人在读一篇论文。’

与图 1.1不同的是，这些盒子都有标记。

这些标记包含了盒子中最重要的要素范畴。VP 表示动词短语，NP 表示名词短语。VP 和 NP 是他们各自中心语的最大投射。

试想你在自己姐妹的婚礼上被安排了找照片的任务，当那么多杂乱的、未分类的照片摆在你面前的时候，你一定会想说这些照片如果按照所含不同类型的照片标记的相册该有多好。对于上面的盒子来说，也是一样，如果能按照内容将它们分类将是一个好主意。



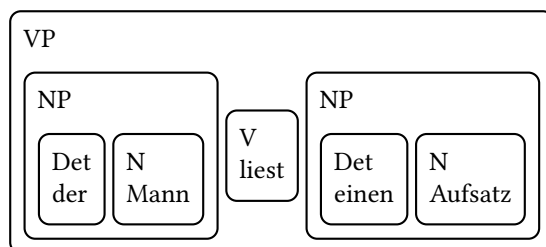


Figure 1.3: 有标记的盒子中的词与短语

一个有趣的现象是如果装有语言素材的盒子放进更大的盒子中去时，这些盒子中的具体内容就不重要了。比如说，我们可以将名词短语“der Mann”（男人）用“er”（他）代替，或者用更为负责的形式“der Mann aus Stuttgart, der das Seminar zur Entwicklung der Zebrafinken besucht”（从斯图加特来的那个参加斑马发展讨论班的男人）代替。但是，我们不能用“die Männer”（男人们）来代替，也不能用“des Mannes”（男人的）来代替：

- (66) a. \* Die Männer liest einen Aufsatz.  
           the men     reads an     essay  
       b. \* Des Mannes liest einen Aufsatz.  
           of.the man.GEN reads an     essay

原因在于“die Männer”（男人们）是复数，而“liest”（读）是单数。带有属格的名词短语也不能出现，只有主格的名词才可以。所以说，我们有必要将那些对构成更大盒子的有用的信息标记出来。在下图中，我们加入了更多详细的标注信息。

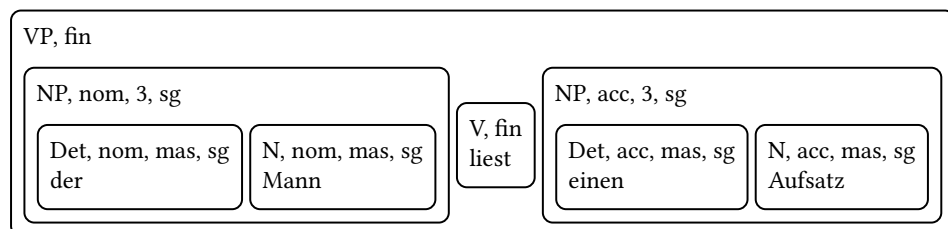


Figure 1.4: 在有标记盒子中的词与词串

那些决定中心语能带什么成分的特征叫做中心语特征。这些特征被认为是由中心语投射出来的。

## 1.6 论元成分与附加成分

小句中的各成分与中心语具有不同的关系。最为典型的是区分论元成分和附加成分。中心语的句法论元在很大程度上对应于其逻辑论元。我们可以用（67b）中的

谓词逻辑来表示句子 (67a) 的意义。The constituents of a given clause have different relations to their head. It is typical to distinguish between arguments and adjuncts. The syntactic arguments of a head correspond for the most part to their logical arguments. We can represent the meaning of (67a) as (67b) using predicate logic.

- (67) a. Peter helps Maria.  
b. *help'(peter', maria')*

(67b) 中的逻辑表达式与例 (67a) 所表示的十分相似；但是，它没有语序和屈折变化的信息。Peter 和 Maria 是动词（帮助）的句法论元，而它们各自的意义 (*Peter'* 和 *Maria'*) 是由（帮助）所表示的逻辑关系的论元。我们也可以说 “help”（帮助）指派给它的论元的语义角色。语义角色包括施事（发出动作的人），受事（受到影响的人或物），受益者（得到东西或经验的人），经事（经历某种心理状态的人）。“help”（帮助）的主语是事实，直接宾语是受益者。充当语义角色的论元也叫做 “actants” (actant)。这个术语用来指称无生的物体。

中心语和论元的这种关系叫做选择和价。价这个术语是从化学借来的。原子与原子组合成分子具有不同程度的稳定性。电子层的排列方式对这种稳定性起到了重要的作用。如果一个原子与其他原子相组合，这样它的电子层就被占满了，那么这就样就可以得到一个稳定的连接。价告诉我们要构成一个元素需要多少个氢原子。在构成水 ( $H_2O$ ) 的时候，氧原子是二价。我们可以把元素按照价进行分类。按照 Mendeleev 的方法，带有一个特定价的元素被安排在元素周期表的同一个栏中。

价的概念被泰尼埃<sup>2</sup>用于语言学：一个中心语需要一定的论元以构成一个稳定的组合。具有相同价的词，即需要同样数目与种类的论元的词，被分成不同的类别。图 1.5 分别展示了化学与语言学的例子。



Figure 1.5: 氢原子和氧原子的组合与动词和其论元的组合

我们用 (67) 来解释逻辑价。不过，逻辑价有时与句法价不同。对于动词 “rain”（下雨）来说，它需要一个虚指的代词作为论元。德语中的自反身动词也是一样的，如 “sich erholen”（复元）。

- (68) a. Es regnet.  
it rains  
‘下雨了。’  
b. Klaus erholt sich.  
Klaus recovers REFL  
‘Klaus 正在恢复健康。’

虚指的“es”（它）与表示天气的动词以及带“erholen”（复元）这类带“sich”的内在反身动词都需要在句子里出现。日耳曼语言有虚指成分用来放在定式动词前的位置上。这些虚指成分并不能用在德语的嵌套句中，因为嵌套句与常规的非嵌套的陈述句的结构不同，即陈述句要求变位动词位于第二位。例（69a）说明了“es”（它）在引导的从句中不能省略。

- (69) a. \*Ich glaube, dass regnet.  
           I think that rains  
           Intended: ‘我想是下雨了。’  
       b. \*Ich glaube, dass Klaus erholt.  
           I believe that Klaus recovers  
           Intended: ‘我相信 Klaus 在恢复之中。’

不管是虚指成分还是反身代词都没有对句子对语义有所贡献。但是，为了构成一个完整的，合乎语法的句子，它们则必须出现。所以说，它们也是动词的价的一部分。

那些对中心语对核心意义没有贡献的成分叫做附加成分，这些成分提供的是一些额外的信息。比如说例（70）中的副词“deeply”（深深地）：

- (70) John loves Mary deeply.

这里的副词说明了动词所描述的程度。此外，还有属性形容词（71a）和关系从句（71b）的例子：

- (71) a. a beautiful woman  
       b. the man who Mary loves

附加成分具有如下的句法和语义属性：

- (72) a. 附加成分不构成语义角色。  
       b. 附加成分是可选的。  
       c. 附加成分可以重复。

例（71a）的短语可以通过增加附加成分来得到扩展：

- (73) a beautiful clever woman

如果我们先不考虑语言处理的问题，这种通过增加附加成分的方式可以无限扩展下去（参看38）on page 61的讨论）。另一方面，论元是不能多次实现的。

- (74) \*The man the boy sleeps.

如果发出睡觉这个动作的实体已经被提及了，那么就无法再用另一个名词短语来指称睡觉的个体。如果想要表达不只有一个个体在睡觉的话，就必须采用例（75）中的并列式。

- (75) The man and the boy are sleeping.

## 1 导言和术语

我们需要指出的是，在72中提出的辨认附加成分的标准并不充分，因为还有句法论元不能充当语义角色。比如说68a中的“es”（它），68b中的“sich”（自己），以及例（76）中的可选成分，如“pizza”（比萨）。

(76) Tony is eating (pizza).

中心语通常以一种相对固定的方式决定其所带论元的句法属性。动词负责其所带动词的格属性。

- (77) a. Er gedenkt des Opfers.  
he remembers the.GEN victim.GEN  
‘他记得受害人。’  
b. \*Er gedenkt dem Opfer.  
he remembers the.DAT victim  
c. Er hilft dem Opfer.  
he helps the.DAT victim  
‘他帮助了受害人。’  
d. \*Er hilft des Opfers.  
he helps the.GEN victim.GEN

动词管辖论元的格属性。介词短语中的介词和名词短语的格都由动词决定 “The preposition and the case of the noun phrase in the prepositional phrase are both determined by the verb.”<sup>13</sup>

- (78) a. Er denkt an seine Modelleisenbahn.  
he thinks on his.ACC model.railway  
‘他在想他的火车模型。’  
b. #Er denkt an seiner Modelleisenbahn.  
He thinks on his.DAT model.railway  
c. Er hängt an seiner Modelleisenbahn.  
He hangs on his.DAT model.railway  
‘他紧贴着他的火车模型。’  
d. \*Er hängt an seine Modelleisenbahn.  
he hangs on his.ACC model.railway

另一方面，修饰介词短语的名词的格与他们的意义有关系。在德语中，例（79a）中表示趋向的介词短语通常要求其名词短语是第四格（宾格），而例（79b）中表示地点的介词短语则需要是第三格（与格）。

- (79) a. Er geht in die Schule / auf den Weihnachtsmarkt / unter die  
he goes in the.ACC school on the.ACC Christmas.market under the.ACC  
Brücke.  
bridge  
‘他要去学校 / 圣诞市场 / 桥下面。’

<sup>13</sup> 相关例子参看 ? : 78.

- b. Er schläft in der Schule / auf dem Weihnachtsmarkt / unter der  
he sleeps in the.DAT school on the.DAT Christmas.market under the.DAT  
Brücke.

bridge

‘他在学校 / 圣诞市场 / 桥下面睡觉。’

一个有趣的现象是，动词（位于）表示地点的信息。它不能单独使用，即无法在没有地点信息的情况下使用。

- (80) \* Wir befinden uns.  
we are.located REFL

这个信息的形式是不固定的，句法范畴或介词短语内的介词都不是限定的：

- (81) Wir befinden uns hier / unter der Brücke / neben dem Eingang / im Bett.  
we are REFL here under the bridge next.to the entrance in bed  
‘我们在这儿 / 桥下面 / 入口旁 / 床上。’

地点修饰词如“hier”（这儿）或“unter der Brücke”（桥下面）都可以看作是其他动词“schlafen”（睡觉）的附加成分。对于“sich befinden”（位于）这类动词来说，我们更倾向于认为表示地点信息的格式说动词的句法论元的必有成分。动词选择表示地点信息的短语，但是并没有对其有任何句法上的限制。这种地点限制很像我们前面讲的附加成分通过语义进行限制的方式。如果我只考虑中心语和附加语组合的语义层面，那么我也会将附加语看作是修饰语<sup>14</sup>。那些需要区分处所论元的动词，如“sich befinden”（位于），也被看作是修饰语。修饰语通常是指附加成分，所以说它也是可选的，然而在“sich befinden”（位于）这个例子中，他们看起来是（必有）论元。

综上所述，我们可以说那些需要与中心语共现的句法成分是论元。并且，那些能够充当中心语的语义角色的句法成分也是论元。然而，这两类论元有时是可选的。

论元通常可以划分为主语和补足语。<sup>15</sup> 不是所有的中心语都需要主语（参看 see ?; Section 3.2）。由此，中心语所带论元的数量可以与中心语所带补足语的数量具有相关性。

## 1.7 语法功能

在有些理论中，诸如主语和宾语的语法功能构成了语言的形式化描述的一部分（如参考 7 第章有关词汇功能语法的内容）。但是本书中所讨论的主要理论并不这样看，这些术语被用来指称特定现象的非正式的描述。基于上述原因，我在下面的内容中进行简要的说明。

<sup>14</sup> 参看第 1.7.2 节中更多有关状语的句法功能的内容。状语这个术语通常指与动词相关的成分。而修饰语是一个更为普遍的术语，通常还包括定语。

<sup>15</sup> 有些学派认为补足语包括主语，即补足语的概念等同于论元（参看 ?; 342）。有些学者将变位动词的主语看作是补足语（?; ?; 376）

### 1.7.1 主语

尽管我认为读者对主语已经有了清晰的认识，但是给主语下一个跨语言的定义绝不是一件小事(?)。对于德语来说，?提出下面的句法属性作为对主语对界定：

- 与变位动词构成主谓一致的关系
- 非名词性从句中的主格
- 在不定式中被省略（控制）
- 在祈使句中可说的

我已经在例(4)中讨论过主谓一致的问题。?认为第二个要点适用于德语。她构建了非名词性从句的限制条件，因为名词作谓语的句子中可以有不止有一个名词性的论元成分，如例(82)所示：

- (82) a. Er ist ein Lügner.  
he.NOM ist a liar.NOM  
‘他是一个骗子。’
- b. Er wurde ein Lügner genannt.  
he.NOM was a liar.NOM called  
‘他被人叫做骗子。’

Following this criterion, arguments in the dative case such as *den Männern* ‘the men’ cannot be classed as subjects in German:

- (83) a. Er hilft den Männern.  
he helps the.DAT men.DAT  
‘他在帮助那个男人。’
- b. Den Männern wurde geholfen.  
the.DAT men.DAT were.3SG helped  
‘那个男人被人帮助了。’

根据其他标准，与格也不应该被看作是主语(如?的观点)。在例(83b)中，“wurde”(想要)是一个第三人称单数的形式，不与“den Männern”(男人们)搭配。前述指出的第三条标准有关不定式结构，如下例(mex1)所示：

- (84) a. Klaus behauptet, den Männern zu helfen.  
Klaus claims the.DAT men.DAT to help  
‘Klaus 声称要帮助那个男人。’
- b. Klaus behauptet, dass er den Männern hilft.  
Klaus claims that he the.DAT men.DAT helps  
‘Klaus 声称他在帮助那个男人。’

- c. \* Die Männer behaupten, geholfen zu werden.  
 the men claim helped to become  
 Intended: ‘那个男生声称得到了帮助。’
- d. \* Die Männer behaupten, elegant getanzt zu werden.  
 the men claim elegantly danced to become  
 Intended: ‘那个男人声称有大象在跳舞。’

在第一句中，动词“helfen”（帮助）的论元被省略了。如果有人希望表达这个论元，那么久应该用例（84b）中“dass”引导的从句。例（84c,d）显示了不需要名词性论元的不定式不能嵌套在动词下，如“behaupten”（声称）。如果与格名词短语（男人们）是（83b）的主语，我们应该回看到一个合乎语法的控制结构（84c）。但是，事实并非如此。与例（84c）不同的是，有必要用例（85）：

- (85) Die Männer behaupten, dass ihnen geholfen wird.  
 the men.NOM claim that them.DAT helped becomes  
 ‘这些男人们声称他们被帮助了。’

同理，祈使句也不能由不需要名词性成分的动词充当。例（86）列出了?: 186提出的一些例子。

- (86) a. Fürchte dich nicht!  
 be.scared REFL not  
 ‘不要害怕！’
- b. \* Graue nicht!  
 dread not  
 ‘不要怕它！’
- c. Werd einmal unterstützt und ...  
 be once supported and  
 ‘让人帮助你一次吧，并且...’
- d. \* Werd einmal geholfen und ...  
 be once helped and  
 ‘让人帮助你，并且...’

例（86a）中的动词（害怕）必须要带一个名词性的论元做主语（87a）。例（86b）中的与之类似的动词（怕）需要带一个与格论元（87b）。

- (87) a. Ich fürchte mich vor Spinnen.  
 I.NOM be.scared REFL before spiders  
 ‘我害怕蜘蛛。’
- b. Mir graut vor Spinnen.  
 me.DAT scares before spiders  
 ‘我怕蜘蛛。’

有趣的是，冰岛语中的与格论元表现不同。? 讨论了冰岛语中主语的各种特征，并且可以在被动句中将与格论元看作是主语，即使变位动词与他们没有构成主谓一致的关系（第 3.1 节），或者他们并不必是主格。例如，下面就是带有被省略的与格论元的不定式结构（第 457 页）：

- (88) a. Ég vonast til að verða hjálpað.  
I hope for to be helped  
‘我希望我能得到帮助。’  
b. Að vera hjálpað í prófinu er óleyfilegt.  
to be helped on the.exam is not.allowed  
‘在考试中是不允许被帮助的。（作弊）’

在一些语法现象中，例（89）中的小句论元被看作是主语，因为它们能被主格的名词短语（90）所代替（参考 e.g., ? : 63, 289）。

- (89) a. Dass er schon um sieben kommen wollte, stimmt nicht.  
that he already at seven come wanted is.true not  
‘他想尽可能在七点赶来，这不是真的。’  
b. Dass er Maria geheiratet hat, gefällt mir.  
that he Maria married has pleases me  
‘我很高兴他娶了玛利亚。’  
(90) a. Das stimmt nicht.  
that is.true not  
‘那不是真的。’  
b. Das gefällt mir.  
that pleases me  
‘我喜欢那个。’

需要指出的是，对于小句论元能否做主语这个问题上有不同的看法。最近发表的文献表明，在词汇功能语法中仍有相当多的讨论（参考第 7 章）（(?????)）。

如果我们知道如何界定主语，那么宾语的界定就不再困难了：宾语就是由给定中心语决定其形式的所有其他论元。以小句宾语为例，德语有属格、与格、宾格和介词宾语：

- (91) a. Sie gedenken des Mannes.  
they remember the.GEN man.GEN  
‘他们记得这个人。’  
b. Sie helfen dem Mann.  
they help the.DAT man.DAT  
‘他们在帮助这个人。’



- c. Sie kennen den Mann.  
they know the.ACC man.ACC  
‘他们认识这个人。’
- d. Sie denken an den Mann.  
they think on the man  
‘他们正想起这个人。’

在对宾语按照格进行分类的同时，更为普遍的做法是区分直接宾语和间接宾语。顾名思义，直接宾语与间接宾语不同，直接宾语的所指直接受到动词指定的动作的影响。带双宾语的动词，如德语的“geben”（给），宾格宾语就是直接宾语，而与格宾语就是间接宾语。

- (92) dass er dem Mann den Aufsatz gibt  
that he.NOM the.DAT man.DAT the.ACC essay.ACC gives  
‘他给那个人这篇论文’

对于三价动词（带有三个论元的动词）来说，我们可以看到动词要么可以带一个属格宾语（93a），要么对于带宾格的直接宾语来说，再带一个宾格宾语（93b）：

- (93) a. dass er den Mann des Mordes bezichtigte  
that he the.ACC man.ACC the.GEN murder.GEN accused  
‘他控告了杀人的人’
- b. dass er den Mann den Vers lehrte  
that he the.ACC man.ACC the.ACC verse.ACC taught  
‘他教那个人读诗了’

These kinds of objects are sometimes also referred to as indirect objects. 通常，只有那些在“werden”引导的被动句中能够上升到主语位置上的成分才被看作是直接宾语。这对有些理论（如词汇功能语法，看第7章）来说非常重要，因为被动态被定义为语法功能。对于二元的动词性谓语来说，与格通常不被看作是直接宾语（(?)）。Normally, only those objects which are promoted to subject in passives with *werden* ‘to be’ are classed as direct objects. This is important for theories such as LFG (see Chapter 7) since passivization is defined with reference to grammatical function. With two-place verbal predicates, the dative is not normally classed as a direct object (?).

- (94) dass er dem Mann hilft  
that he the.DAT man.DAT helps  
‘他帮助那个人’

在很多理论中，语法功能并不是构成理论多原始成分，而是与树结构中的位置密切相关的。所以说，德语中的直接宾语在句法配置中首先与动词组合这个特点被认为是德语句子的底层结构。间接宾语是与动词组合的第二个宾语。按照这一观点，“helfen”（帮助）的与格宾语需要被看作是直接宾语。

在下面，我就只用宾语的格属性来指称，而避免使用直接宾语和间接宾语的术语。我们对主语也采用相同的策略，有特定格属性的宾语小句能够分别对应

于直接宾语或者间接宾语的语法功能。如果在例(95b)中,我们认为“dass du sprichst”(你在说话)这个小句是主语,那么从句就必然是直接宾语:

- (95) a. Daß du sprichst, wird erwähnt.  
that you speak is mentioned  
‘你在说话的事实被提及了。’  
b. Er erwähnt, dass du sprichst.  
he mentions that you speak  
‘他提到你在说话。’

这种情况下,我们不能真的将从句看作是宾格宾语,因为它没有格属性。但是,我们用带有宾格标记的名词短语来替换这个句子:

- (96) Er erwähnt diesen Sachverhalt.  
he mentions this.ACC matter  
‘他提到这个事情。’

如果我们不想讨论这一问题,就可以简单地把这些论元称为小句宾语。

### 1.7.2 状语

状语与主语和宾语在语义上有很大的不同。它们告诉我们有关动作或过程发生地方的信息,或者是按照何种状态进行的方式。在大部分情况下,状语是附加语,但是,正如我们已经看到的,有些中心语也要有状语。这些动词的例子有“to be located”(位于)或者“to make one’s way”(让路)。以“to be located”(位于)为例,有必要明确一个地点,还需要一个前进的方向。由此,这类状语被看作是动词的论元。

状语这个术语的来源是因为大部分状语都是副词。但是,还有其他情况。介词、助词、介词短语、名词短语,甚至是句子都可以充当状语:

- (97) a. Er arbeitet sorgfältig.  
he works carefully  
b. Er arbeitet vergleichend.  
he works comparatively  
‘他做比较的工作。’  
c. Er arbeitet in der Universität.  
he works in the university  
‘他在大学工作。’  
d. Er arbeitet den ganzen Tag.  
he works the whole day.ACC  
‘他整天工作。’

- e. Er arbeitet, weil es ihm Spaß macht.  
 he works because it him.DAT fun makes  
 ‘他工作因为他喜欢工作。’

尽管例(97d)中的名词短语带有宾格,它并不是宾格宾格。“den ganzen Tag”(整天)号称是时间宾格。这种情况下宾格的出现与名词短语的句法和语义功能有关,它不是由动词决定的。这类宾格可以跟许多动词共现,甚至是那些通常不需要宾格宾语的动词:

- (98) a. Er schläft den ganzen Tag.  
 he sleeps the whole day  
 ‘他睡了一整天。’  
 b. Er liest den ganzen Tag diesen schwierigen Aufsatz.  
 he reads the.ACC whole.ACC day this.ACC difficult.ACC essay  
 ‘他花了一整天读这篇难懂的论文。’  
 c. Er gibt den Armen den ganzen Tag Suppe.  
 he gives the.DAT poor.DAT the.ACC whole.ACC day soup  
 ‘他花了一整天给穷人汤喝。’

被动态中状语的格不发生变化: The case of adverbials does not change under passivization:

- (99) a. weil den ganzen Tag gearbeitet wurde  
 because the.ACC whole.ACC day worked was  
 ‘因为有人整天工作’  
 b. \*weil der ganze Tag gearbeitet wurde  
 because the.NOM whole.NOM day worked was

### 1.7.3 谓语

例(100a,b)中的形容词与例(100c)中的名词短语被看作是谓语。

- (100) a. Klaus ist *klug*.  
 Klaus is clever  
 b. Er isst den Fisch *roh*.  
 he eats the fish raw  
 c. Er ist *ein Lügner*.  
 he is a liar

在例(100a,c)的系词结构中,形容词“*klug*”(聪明的)与名词短语“*ein Lügner*”(一个骗子)都是系词“*sein*”(是)的论元,而例(100b)中的描述性形容词则作“*isst*”(吃)的状语。

## 1 导言和术语

对于名词性谓语来说, 格不是由中心语决定的, 而是由其他成分决定的。<sup>16</sup>

例如, 例 (101a) 中的宾格在例 (101b) 的被动句中变成了主格。For example, the accusative in (101a) becomes nominative under passivization (101b):

- (101) a. Sie nannte ihn einen Lügner.  
she called him.ACC a.ACC liar  
‘她把他叫做骗子。’  
b. Er wurde ein Lügner genannt.  
he.NOM was a.NOM liar called  
‘他被人叫做骗子。’

例 (101a) 中, 只有 “ihn” (他) 被描述成宾语。在例 (101b) 中, “ihn” (他) 变成了主语, 也就成为了主格。在例 (101a) 中, “einen Lügner” (一个骗子) 指代 “ihn” (他), 例 (101b) 中的 “er” (他) 需要与作谓语的名词的格保持一致。这也叫做格的一致关系。

其他的谓词性结构可以参看?: § 1206、?: Chapter 4, Chapter 5, 以及?。

### 1.7.4 配价类型

我们可以按照动词所带论元成分的数量与属性来对动词进行分类。一方面, 那些可以带宾语且其宾语能变换为被动式的主语多动词叫做及物动词, 如 “love” (爱) 或 “beat” (击打) 这类动词。另一方面, 不及物动词不能带宾语, 或者其在被动式中不能变成主语, 如 “schlafen” (睡觉), “helfen” (帮忙) 或 “gedenken” (纪念)。及物动词还包括双及物动词, 如 “geben” (给) 和 “zeigen” (展示)。

<sup>16</sup> 不同方言区的系词结构有所不同: 在标准德语中系词 “sein” (是) 所带的名词短语总是主格, 即使是嵌套在 “lassen” (让) 的下面也不发生变化。根据?: § 1259, 瑞士地区则经常能发现例 (ii.a) 中用作宾格的情况。

- (i) a. Ich bin dein Tanzpartner.  
I am your.NOM dancing.partner  
b. Der wüste Kerl ist ihr Komplize.  
the wild guy is her.NOM accomplice  
c. Laß den wüsten Kerl [...] meinetwegen ihr Komplize sein.  
let the.ACC wild.ACC guy for.all.I.care her.NOM accomplice be  
‘我所关心的是, 让我们来假定那个疯狂的家伙是她的从犯。’ (?: § 6925)  
d. Baby, laß mich dein Tanzpartner sein.  
baby let me.ACC your.NOM dancing.partner be  
‘宝贝, 让我当你的舞伴吧!’ (Funny van Dannen, Benno-Ohnesorg-Theater, Berlin, Volksbühne, 11.10.1995)
- (ii) a. Er läßt den lieben Gott ‘n frommen Mann sein.  
he lets the.ACC dear.ACC god a pious.ACC man be  
‘他完全是不走心 (漠不关心) 啊。’  
b. \*Er läßt den lieben Gott ‘n frommer Mann sein.  
he lets the.ACC dear.ACC god a pious.NOM man be

不过，这一术语的使用并不完全一致。有时，带与格和属格宾语的二位动词也被看作是及物动词。在这个命名系统中，不及物动词、及物动词以及双及物动词的术语与一位动词、二位动词和三位动词的术语在含义上是相同的。

这种术语混淆的情况导致对乔姆斯基的评论的误解，即使他们是由一些知名的语言学家（Culicover and Jackendoff's (? : 59)）提出来的。乔姆斯基指出，英语助动词“be”带动词的被动态只能用在及物动词上。Culicover 和 Jackendoff 则认为这是不对的，因为还有及物动词不能变换为被动式，如“weigh”（称重）和“cost”（花费）。

- (102) a. This book weighs ten pounds / costs ten dollars.  
b. \*Ten pounds are weighed / ten dollar are cost by this book.

Culicover 和 Jackendoff 这里说的及物动词是指带两个论元的动词。如果我们只把那些动词宾语可以变换为被动式主语的动词看作是及物动词，那么“weigh”（称重）和“cost”（花费）都不能算作是及物动词，这样 Culicover 和 Jackendoff 的观点就站不脚了。<sup>17</sup> 诸如例（102）中的名词短语不是普通宾语，因为它们不能被代词替代。所以说他们的格属性无法确定，因为英语中只有代词有格的区分。如果我们将英语的例子翻译成德语，我们会发现它们是宾格宾语：

- (103) a. Das Buch kostete einen Dollar.  
the book costs one.ACC dollar  
'这本书值一美元.'  
b. Das Buch wiegt einen Zentner.  
the book weighs one.ACC centner  
'这本书重五十公斤.'

在下面，我会采用及物的前一个概念，即那些能在被动式中将宾语变换为主语的动词。对于“helfen”（帮助）类动词，它们带一个主格和一个与格论元；而“schlagen”（击打）类动词带有一个主语和一个宾格论元。我会用二位动词或二价动词来指称它们。

## 1.8 德语小句的空间位置模型

在这一节，我会介绍所谓的空间位置的概念。这一概念会在后续的章节中被经常用来讨论德语小句中的不同部分。此外，也可以在?，? and ?的文献中找到更多关于空间位置的知识。?是一本有关空间位置模型的教科书。

### 1.8.1 动词的位置

最常见的是按照变位动词的位置将德语的句子分成三类：

<sup>17</sup> 即使我们将及物动词看作是二位谓词的话，他们的评论也是站不住的。如果我们认为动词至少带两个论元成分才能变换成被动式的话，那么我们也必须要认定所有带两个或两个以上论元的动词都可以变幻成被动式。实际上，带多个论元这个属性只是一个充分条件，并不是唯一条件。

- 动词位于末位的小句
- 动词位于首位的小句
- 动词位于第二位 (V2) 的小句

下面的例子说明了这些可能性:

- (104) a. (Peter hat erzählt,) dass er das Eis gegessen hat.  
Peter has told that he the ice.cream eaten has  
‘彼得说他把冰淇淋吃完了。’
- b. Hat Peter das Eis gegessen?  
has Peter the ice.cream eaten  
‘彼得吃完冰淇淋了吗?’
- c. Peter hat das Eis gegessen.  
Peter has the ice.cream eaten  
‘彼得吃完冰淇淋了。’

### 1.8.2 句子的框架结构、前场、中场及后场

我们观察到,在例(104a)中,变位动词“hat”只跟它的补足语“gegessen”(吃完)挨着。在例(mex0b)和例(104c)中,动词跟它的补足语是分开的,也就是非连续的。这样,我们可以基于这些区别将德语小句分成不同的小类。在例(mex0b)和例(104c)中,动词和祝词构成小句的一个基本框架。基于这个原因,我们称之为框型结构。例(mex0b)和例(104c)中的变位动词构成框架的左边界,非变位动词构成右边界。以动词为末位的小句通常由连词引入,如“weil”(因为)、“dass”(这个),以及“ob”(是否)。不管是在动词占首位,还是动词占末尾到小句中,这些连词占据了与变位动词一样的位置。由此,我们认为这些连词也构成了这些句子的左边界。应用句子框架的概念,使得我们有可能将德语小句划分成前场、中场和后场这三个部分。前场指位于左边界之前的成分,中场是指位于左边界与右边界之间的成分,后场指右边界之后的成分。如图 1.1 on the following page 所示:右边界可以包括多个动词,通常被看作是动词性复合词或动词词组。下一节,我们将讨论疑问词和关系代词在前场的排列。

### 1.8.3 场内元素的排列

如图中的例子所示,并不是所有的位置都需要有成分来充当。如果想在例(105)中省略系词的话,即使是左边界,也可以是空的:

- (105) a. [...] egal, was noch passiert, der Norddeutsche Rundfunk  
regardless what still happens the north.German broadcasting company  
steht schon jetzt als Gewinner fest.<sup>18</sup>  
stands already now as winner PART  
‘不管将要发生什么,北德广播公司早就已经是赢家了。’

<sup>18</sup> Spiegel, 12/1999, p. 258.

Table 1.1: 空间位置分布例示

前场	左边界	中场	右边界	后场
Karl	schläft.			
Karl	hat		geschlafen.	
Karl	erkennt	Maria.		
Karl	fährt	den Mantel		den Maria kennt.
Karl	hat	Maria	um	
Karl	hat	Maria als sie aus dem Zug stieg sofort	erkannt.	
Karl	hat	Maria sofort	erkannt.	als sie aus dem Zug stieg.
Karl	hat	Maria zu erkennen	behauptet.	
Karl	hat		behauptet	Maria zu erkennen.
	Schläft	Karl?		
	Schlaf!			
	Iss	jetzt dein Eis	auf!	
	Hat	er doch das ganze Eis alleine	gegessen.	
	weil	er das ganze Eis alleine	gegessen hat	ohne mit der Wimper zu zucken.
wer	weil	er das ganze Eis alleine	essen können will	ohne gestört zu werden.
der		das ganze Eis alleine	gegessen hat	
mit wem		das ganze Eis alleine	gegessen hat	
mit dem		du	geredet hast	
		du	geredet hast	

## 1 导言和术语

- b. Interessant, zu erwähnen, daß ihre Seele völlig in Ordnung war.<sup>19</sup>  
interesting to mention that her soul completely in order was  
‘值得注意的是，她的灵魂完好无损。’
- c. Ein Treppenwitz der Musikgeschichte, daß die Kollegen von Rammstein  
an afterwit of.the.history.of.music that the colleagues of Rammstein  
vor fünf Jahren noch im Vorprogramm von Sandow spielten.<sup>20</sup>  
before five years still in.the.pre.programme of Sandow played  
‘音乐历史的具有讽刺意味的一件事是，五年前 Rammstein 的成员仍然  
为 Sandow 作开场演出。’

例（105）中的例子与例（106）中的系词具有相关性：

- (106) a. Egal ist, was noch passiert, ...  
regardless is what still happens  
‘今后将发生什么并不重要 ...’
- b. Interessant ist zu erwähnen, dass ihre Seele völlig in Ordnung war.  
interesting is to mention that her soul completely in order was  
‘值得注意的是，她的灵魂完好无损。’
- c. Ein Treppenwitz der Musikgeschichte ist, dass die Kollegen von  
an afterwit of.the.music.history is that the colleagues of  
Rammstein vor fünf Jahren noch im Vorprogramm von Sandow spielten.  
Rammstein before five years still in pre.programme of Sandow played  
‘五年前，Rammstein 的成员仍为 Sandow 作开场演出是音乐史上的一件  
具有讽刺意义的事件。’

当某些位置为空时，就不太容易判断句中成分占据了哪些位置。如例（105）所示，我们需要将系词插入来确保哪个成分位于前场，以及其他成分所处的位置。

在下面?: 13引用的例子中，插入系词则得到了不同的结果：In the following example taken from ?: 13, inserting the copula obtains a different result:

- (107) a. Niemand da?  
nobody there
- b. Ist niemand da?  
is nobody there  
‘没有人在那儿吗？’

这里，我们要分析的是一个问句，所以“niemand”（没有人）不能分析为位于前场，而应是位于中场。

例（108）中，前场、左边界和中场都有成分充当，而右边界是空的。<sup>21</sup>

<sup>19</sup> Michail Bulgakow, *Der Meister und Margarita*. München: Deutscher Taschenbuch Verlag. 1997, p. 422.

<sup>20</sup> Flüstern & Schweigen, taz, 12.07.1999, p. 14.

<sup>21</sup> 这个句子需要对“der”（这个）进行强调。“der Frau, die er kennt”（这个女人）与另一个或其他女人进行区分。



- (108) Er gibt der Frau das Buch, die er kennt.  
 he.M gives the woman(F) the book.(N) that.F he knows  
 ‘他把书交给了他认识的那个女人。’

我们应该怎么分析诸如“die er kennt”（他认识的吗？）这样的关系从句呢？它们构成了中场还是后场呢？我们可以应用开发到测试法来进行测试：首先，我们把例（108）改成完成时。由于非变位动词位于右边界，我们可以清楚地看出中场与后场的边界。例（109）中的例子显示了，关系从句不能位于中场，除非它是与中心语“Frau”（女人）一起构成的一个复杂成分的一部分。

- (109) a. Er hat [der Frau] das Buch gegeben, [die er kennt].  
 he has the woman the book given that he knows  
 ‘他把书交给了他认识的那个女人。’  
 b. \*Er hat [der Frau] das Buch, [die er kennt,] gegeben.  
 he has the woman the book that he knows given  
 c. Er hat [der Frau, die er kennt,] das Buch gegeben.  
 he has the woman that he knows the book given

如果修饰中心语名词的关系从句像例（110）这种位于句末的话，这个测试也没有用了。

- (110) Er gibt das Buch der Frau, die er kennt.  
 he gives the book the woman that he knows  
 ‘他把书交给了他认识的那个女人。’

如果我们把例（110）的句子变成完成时，那么我们可以发现，动词可以出现在关系小句的前面或者后面：

- (111) a. Er hat das Buch [der Frau] gegeben, [die er kennt].  
 he has the book the woman given that he knows  
 ‘他把书交给了他认识的那个女人。’  
 b. Er hat das Buch [der Frau, die er kennt,] gegeben.  
 he has the book the woman that he knows given

在例（111a）中，关系小句被提前了。在（111b）中，它构成了名词短语（他认识的那个女人）的一部分，并位于中场的名词短语内部。这样，上面的测试方法也不适用于例（110）了。我们认为例（110）中的关系小句也术语名词短语，因为这样是最简单的结构。如果关系小句位于后场，我们则需要假定它从名词短语内部上升到这个位置上了。也就是说，我们需要假设其是一个名词短语结构，并且还涉及了移外变形。对于疑问词和冠词代词来说也有同样的问题。不同作者看法不同，有的认为它们位于左边界，有的认为是前场，也有的认为是中场。在标准德语中，疑问句和关系小句哪的所有成分从来没有占全的时候。这就导致，无法直观地分清清楚某个元素所在的位置。尽管如此，我们可以结合主句来判断：疑问句和关系小句中的代词可以包含在复杂短语中：

## 1 导言和术语

- (112) a. der Mann, [mit dem] du gesprochen hast  
the man with whom you spoken have  
'the man you spoke to 你'  
b. Ich möchte wissen, [mit wem] du gesprochen hast.  
I want to know with whom you spoken have  
'我想知道你在跟谁说话。'

通常, 只有个别词语(连词或动词)能够占据左边界,<sup>22</sup> 而词和短语可以出现在前场中。由此可以推断, 疑问词和关系代词(及其包含的短语)也能在这个位置上出现。

进而, 我们观察到, 在陈述句的前场位置的成分与句中其他成分的依存关系跟包括关系代词的短语与句中其他成分之间的依存关系是一样的。比如说, 例(113a)中“about this topic”(关于这个话题)依存于深深地嵌套在句中的“Vortrag”(演讲): “einen Vortrag”(一个演讲)是“zu halten”(发布)的一个论元成分, 也是“gebeten”(要求)的一个论元成分。

- (113) a. Über dieses Thema habe ich ihn gebeten, einen Vortrag zu halten.  
about this topic have I him asked a talk to hold  
'我请他做一个有关这个题目的演讲。'  
b. das Thema, über das ich ihn gebeten habe, einen Vortrag zu halten  
the topic about which I him asked have a talk to hold  
'这是有关我让他做一个演讲的题目'

例(113b)的情景是类似的: 关系短语“über das”(关于这个)是“Vortrag”(演讲)的一个与之关系较远的依存成分。所以说, 如果关系短语被放在前场, 我们可以推断出, 远距离的前置总是指向前场。

最后来看一下《杜登大辞典》(?; §1347)中应用的标准德语(大部分是南方方言)中的一些例子:

- (114) a. Kommt drauf an, mit wem dass sie zu tun haben.  
comes there.upon PART with whom that you to do have  
'这要取决于是谁在处理。'  
(115) a. Lotti, die wo eine tolle Sekretärin ist, hat ein paar merkwürdige  
Lotti who where a great secretary is has a few strange  
Herren empfangen.  
gentlemen welcomed  
'Lotti 作为一名伟大的秘书, 受到了一些奇怪的绅士的欢迎。'

<sup>22</sup> 并列结构是一个例外:

- (i) Er [kennt und liebt] diese Schallplatte.  
he knows and loves this record  
'他了解并且热爱这张专辑。'

- b. Du bist der beste Sänger, den wo ich kenn.  
 you are the best singer who where I know  
 ‘你是我知道的最棒的歌手。’

这些有关疑问句和关系从句的例子说明句子的左边界在不同方言中分别由连词“dass”（这个）和“wo”（哪儿）充当。所以说，如果我们希望得到一个能够统一分析标准德语与方言的模型的话，就应该认为关系短语和疑问短语位于前场。

#### 1.8.4 递归

正如?: 82已经指出的，当前场由一个复杂成分充当的时候，可以将其进一步细化。例如，(116b)中的“für lange lange Zeit”（很长很长时间）和(116d)中的“daß du kommst”（你要进来）都位于前场，但是出现在右边界“gewußt”（知道）的右边，也就是说他们出现在前场内的后场。

- (116) a. Die Möglichkeit, etwas zu verändern, ist damit verschüttet für lange  
 the possibility something to change is there.with buried for long  
 lange Zeit.  
 long time  
 ‘变革的机会将要消失很长很长时间了。’
- b. [Verschüttet für lange lange Zeit] ist damit die Möglichkeit, etwas  
 buried for long long time ist there.with the possibility something  
 zu verändern.  
 to change
- c. Wir haben schon seit langem gewußt, daß du kommst.  
 we have PART since long known that you come  
 ‘我们早就知道你要来了。’
- d. [Gewußt, daß du kommst,] haben wir schon seit langem.  
 known that you come have we PART since long

正如在前场的成分一样，中场和后场的成分也能有内部的结构，并且可以相应地划分到不同的次级结构中。如例(116c)中，“daß”（这个）是从句“daß du kommst”（他知道）的左边界，而“gewußt”（du）占据了中场，“kommst”（来）是右边界。

### 思考题

1. 短语中的中心语与其他成分相比有何不同？
2. 请找出例(117)中的中心语：

- (117) a. he  
 b. Go!

c. quick

3. 论元与附加语有什么区别？

4. 请指出例（118）所示的整句及其小句中的中心语、论元和附加语：

(118) Er hilft den kleinen Kindern in der Schule.  
he helps the small children in the school  
‘他在学校帮助小孩子。’

5. 如何界定前场、中场、后场、左边界与右边界？

## 练习题

1. 请指出下列句子及其嵌套对小句的框架结构、前场、中场，以及后场。

- (119) a. Karl isst.  
Karl eats  
‘卡尔正在吃。’
- b. Der Mann liebt eine Frau, den Peter kennt.  
the man loves a woman who Peter knows  
‘彼得认识的那个男人爱着这个女人。’
- c. Der Mann liebt eine Frau, die Peter kennt.  
the man loves a woman that Peter knows  
‘这个男人爱着那个彼得认识的女人。’
- d. Die Studenten haben behauptet, nur wegen der Hitze  
the students have claimed only because of the heat  
einzuschlafen.  
to fall asleep  
‘学生们声称他们是因为热才睡着了。’
- e. Dass Peter nicht kommt, ärgert Klaus.  
that Peter not comes annoys Klaus  
‘彼得不能来的事实惹恼了克劳斯。’
- f. Einen Mann küssen, der ihr nicht gefällt, würde sie nie.  
a man kiss that her not pleases would she never  
‘她绝不会亲一个她不喜欢的男人。’

## 延伸阅读

解释了为什么空间位置理论对描述德语中成分之间关系如此重要。讨论了前场左边的位置由左移位结构充当，如例（120）的“der Mittwoch”（星期三），例（121a）的“aber”（但是），以及例（121b）的“denn”（那么）。

- (120) Der Mittwoch, der passt mir gut.  
the Wednesday that fits me good  
‘周三，我有空。’
- (121) a. Aber würde denn jemand den Hund füttern morgen Abend?  
but would PART anybody the dog feed tomorrow evening  
‘但是明天晚上会有人喂狗吗？’
- b. Denn dass es regnet, damit rechnet keiner.  
because that it rains there.with reckons nobody  
‘因为没人想到会下雨。’

Höhle 还讨论了空间位置理论的历史发展。

## **Part II**

# **General discussion**



# Bibliography

- Abbott, Barbara. 1976. Right node raising as a test for constituenthood. *Linguistic Inquiry* 7(4). 639–642.
- Abeillé, Anne. 1988. Parsing French with Tree Adjoining Grammar: Some linguistic accounts. In ? 7–12. <http://www.aclweb.org/anthology/C/C88/C88-1002.pdf>.
- Abeillé, Anne. 2006. In defense of lexical coordination. In Olivier Bonami & Patricia Cabredo Hofherr (eds.), *Empirical issues in formal syntax and semantics*, vol. 6, 7–36. Paris: CNRS. <http://www.cssp.cnrs.fr/eiss6/>.
- Abeillé, Anne & Owen Rambow (eds.). 2000a. *Tree Adjoining Grammars: Formalisms, linguistic analysis and processing* (CSLI Lecture Notes 156). Stanford, CA: CSLI Publications.
- Abeillé, Anne & Owen Rambow (eds.). 2000b. *Tree Adjoining Grammars: Formalisms, linguistic analysis and processing* (CSLI Lecture Notes 156). Stanford, CA: CSLI Publications.
- Abeillé, Anne & Yves Schabes. 1989. Parsing idioms in Lexicalized TAG. In ? 1–9.
- Abney, Steven P. 1987. *The English noun phrase in its sentential aspect*. Cambridge, MA: MIT dissertation. <http://www.vinartus.net/spa/87a.pdf>.
- Abney, Steven P. 1996. Statistical methods and linguistics. In Judith L. Klavans & Philip Resnik (eds.), *The balancing act: Combining symbolic and statistical approaches to language* (Language, Speech, and Communication), 1–26. London, England/Cambridge, MA: MIT Press.
- Abney, Steven P. & Jennifer Cole. 1986. A Government-Binding parser. In S. Berman, J-W. Choe & J. McDonough (eds.), *Proceedings of NELS 16*, 1–17. University of Massachusetts, Amherst: GLSA.
- Abney, Steven P. & Erhard W. Hinrichs (eds.). 1995. *Proceedings of the Seventh Conference of the European Chapter of the Association for Computational Linguistics*. Dublin: Association for Computational Linguistics.
- Abraham, Werner (ed.). 1982. *Satzglieder im Deutschen – Vorschläge zur syntaktischen, semantischen und pragmatischen Fundierung* (Studien zur deutschen Grammatik 15). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Abraham, Werner (ed.). 1985. *Erklärende Syntax des Deutschen* (Studien zur deutschen Grammatik 25). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Abraham, Werner. 1995. *Deutsche Syntax im Sprachenvergleich: Grundlegung einer typologischen Syntax des Deutschen* (Studien zur deutschen Grammatik 41). Tübingen: Stauffenburg Verlag.
- Abraham, Werner. 2003. The syntactic link between thema and rhema: The syntax-discourse interface. *Folia Linguistica* 37(1–2). 13–34.



- Abraham, Werner. 2005. *Deutsche Syntax im Sprachenvergleich: Grundlegung einer typologischen Syntax des Deutschen* (Studien zur deutschen Grammatik 41). Tübingen: Stauffenburg Verlag 2nd edn.
- Abzianidze, Lasha. 2011. *An HPSG-based formal grammar of a core fragment of Georgian implemented in TRALE*. Charles University in Prague MA thesis.
- Ackerman, Farrell & Gert Webelhuth. 1998. *A theory of predicates* (CSLI Lecture Notes 76). Stanford, CA: CSLI Publications.
- Adams, Marianne. 1984. Multiple interrogation in Italian. *The Linguistic Review* 4(1). 1–27.
- Ades, Anthony E. & Mark J. Steedman. 1982. On the order of words. *Linguistics and Philosophy* 4(4). 517–558.
- Adger, David. 2003. *Core syntax: A Minimalist approach* (Oxford Core Linguistics 1). Oxford: Oxford University Press Oxford.
- Adger, David. 2010. A Minimalist theory of feature structure. In Anna Kibort & Greville G. Corbett (eds.), *Features: Perspectives on a key notion in linguistics* (Oxford Linguistics), 185–218. Oxford: Oxford University Press.
- Adger, David. 2013. Constructions and grammatical explanation: Comments on Goldberg. *Mind and Language* 28(4). 466–478.
- Ágel, Vilmos. 2000. *Valenztheorie* (Narr Studienbücher). Tübingen: Gunter Narr Verlag.
- Ágel, Vilmos, Ludwig M. Eichinger, Hans Werner Eroms, Peter Hellwig, Hans Jürgen Heringer & Henning Lobin (eds.). 2003a. *Dependenz und Valenz / Dependency and valency: Ein internationales Handbuch der zeitgenössischen Forschung / An international handbook of contemporary research*, vol. 25.1 (Handbücher zur Sprach- und Kommunikationswissenschaft). Berlin: Walter de Gruyter.
- Ágel, Vilmos, Ludwig M. Eichinger, Hans Werner Eroms, Peter Hellwig, Hans Jürgen Heringer & Henning Lobin (eds.). 2003b. *Dependenz und Valenz / Dependency and valency: Ein internationales Handbuch der zeitgenössischen Forschung / An international handbook of contemporary research*, vol. 25.1 (Handbücher zur Sprach- und Kommunikationswissenschaft). Berlin: Walter de Gruyter.
- Ágel, Vilmos, Ludwig M. Eichinger, Hans Werner Eroms, Peter Hellwig, Hans Jürgen Heringer & Henning Lobin (eds.). 2006. *Dependenz und Valenz / Dependency and valency: Ein internationales Handbuch der zeitgenössischen Forschung / An international handbook of contemporary research*, vol. 25.2 (Handbücher zur Sprach- und Kommunikationswissenschaft). Berlin: Walter de Gruyter.
- Ágel, Vilmos & Klaus Fischer. 2010. 50 Jahre Valenztheorie und Dependenzgrammatik. *Zeitschrift für Germanistische Linguistik* 38(2). 249–290.
- Ajdukiewicz, Kasimir. 1935. Die syntaktische Konnexität. *Studia Philosophica* 1. 1–27.
- de Alencar, Leonel. 2004. Complementos verbais oracionais – uma análise léxicofuncional. *Lingua(gem)* 1(1). 173–218.
- de Alencar, Leonel. 2013. BrGram: uma gramática computacional de um fragmento do português brasileiro no formalismo da LFG. In *Proceedings of the 9th Brazilian Symposium in Information and Human Language Technology*. Fortaleza, Ceará,

- Brazil, October 20–24, 183–188. Fortaleza, Ceará: Sociedade Brasileira de Computação. <http://www.aclweb.org/anthology/W13-4823>.
- Alsina, Alex. 1996. Resultatives: A joint operation of semantic and syntactic structures. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG '96 conference, Rank Xerox, Grenoble*, Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/1/>.
- Alsina, Alex, KP Mohanan & Tara Mohanan. 2005. How to get rid of the COMP. In ?. <http://csli-publications.stanford.edu/LFG/10/lfg05amm.pdf>.
- Ambridge, Ben & Adele E. Goldberg. 2008. The island status of clausal complements: Evidence in favor of an information structure explanation. *Cognitive Linguistics* 19. 349–381.
- Ambridge, Ben & Elena V. M. Lieven. 2011. *Child language acquisition: Contrasting theoretical approaches*. Cambridge, UK: Cambridge University Press.
- Ambridge, Ben, Caroline F. Rowland & Julian M. Pine. 2008. Is structure dependence an innate constraint? New experimental evidence from children's complex-question production. *Cognitive Science: A Multidisciplinary Journal* 32(1). 222–255.
- Anderson, John M. 1971. *The grammar of case: Towards a localistic theory*, vol. 4 (Cambridge Studies in Linguistics). Cambridge, UK: Cambridge University Press.
- Anderson, Stephen R. 1992. *A-morphous morphology* (Cambridge Studies in Linguistics 62). Cambridge: Cambridge University Press.
- Aoun, Joseph & David W. Lightfoot. 1984. Government and contraction. *Linguistic Inquiry* 15(3). 465–473.
- Aoun, Joseph & Dominique Sportiche. 1983. On the formal theory of government. *The Linguistic Review* 2(3). 211–236.
- Arad Greshler, Tali, Livnat Herzig Sheinflux, Nurit Melnik & Shuly Wintner. 2015. Development of maximally reusable grammars: Parallel development of Hebrew and Arabic grammars. In ? 27–40. <http://csli-publications.stanford.edu/HPSG/2015/ahmw.pdf>.
- Arends, Jacques. 2008. A demographic perspective on Creole formation. In Silvia Kouwenberg & John Victor Singler (eds.), *The handbook of pidgin and creole studies*, 309–331. Oxford/Cambridge: Blackwell Publishing Ltd.
- Arka, IWayan, Avery Andrews, Mary Dalrymple, Meladel Mistica & Jane Simpson. 2009. A linguistic and computational morphosyntactic analysis for the applicative *-i* in Indonesian. In ? 85–105. <http://csli-publications.stanford.edu/LFG/14/>.
- Arnold, Doug & Andrew Spencer. 2015. A constructional analysis for the skeptical. In ? 41–60. <http://csli-publications.stanford.edu/HPSG/2015/arnold-spencer.pdf>.
- Arnold, Jennifer E., Michael K. Tanenhaus, Rebecca J. Altmann & Maria Fagnano. 2004. The old and thee, uh, new. *Psychological Science* 15(9). 578–582.
- Askedal, John Ole. 1986. Zur vergleichenden Stellungsfelderanalyse von Verbalsätzen und nichtverbalen Satzgliedern. *Deutsch als Fremdsprache* 23. 269–273 and 342–348.
- Asudeh, Ash. 2004. *Resumption as resource management*: Stanford University dissertation.

## Bibliography

- Asudeh, Ash, Mary Dalrymple & Ida Toivonen. 2008. Constructions with lexical integrity: Templates as the lexicon-syntax interface. In ?. <http://csli-publications.stanford.edu/LFG/13/>.
- Asudeh, Ash, Mary Dalrymple & Ida Toivonen. 2013. Constructions with lexical integrity. *Journal of Language Modelling* 1(1). 1–54.
- Asudeh, Ash, Gianluca Giorgolo & Ida Toivonen. 2014. Meaning and valency. In ? 68–88.
- Asudeh, Ash & Ida Toivonen. 2014. With lexical integrity. *Theoretical Linguistics* 40(1–2). 175–186.
- Attardi, Giuseppe. 2006. Experiments with a multilanguage non-projective dependency parser. In *Proceedings of the 10th Conference on Computational Natural Language Learning (CoNLL-X)*, 166–170. Association for Computational Linguistics.
- Attia, Mohammed A. 2008. *Handling Arabic morphological and syntactic ambiguity within the LFG framework with a view to machine translation*: School of Languages, Linguistics and Cultures, University of Manchester dissertation.
- Avgustinova, Tania & Yi Zhang. 2009. Exploiting the Russian national corpus in the development of a Russian Resource Grammar. In Núria Bel, Erhard Hinrichs, Kiril Simov & Petya Osenova (eds.), *Adaptation of language resources and technology to new domains at the RANLP 2009 Conference, Borovets, Bulgaria*, 1–11. Shoumen, Bulgaria: INCOMA Ltd.
- Bach, Emmon. 1962. The order of elements in a Transformational Grammar of German. *Language* 8(3). 263–269.
- Bach, Emmon. 1976. An extension of classical Transformation Grammar. In *Problems in linguistic metatheory, Proceedings of the 1976 Conference at the Michigan State University*, 183–224.
- Bahrani, Mohammad, Hossein Sameti & Mehdi Hafezi Manshadi. 2011. A computational grammar for Persian based on GPSG. *Language Resources and Evaluation* 45(4). 387–408.
- Baker, Carl Lee. 1978. *Introduction to Generative-Transformational Syntax*. Englewood Cliffs, NJ: Prentice-Hall.
- Baker, Mark C. 2003. Linguistic differences and language design. *Trends in Cognitive Sciences* 7(8). 349–353.
- Baker, Mark C. 2009. Language universals: Abstract but not mythological. *The Behavioral and Brain Sciences* 32(5). 448–449.
- Baldrige, Jason. 2002. *Lexically specified derivational control in Combinatory Categorical Grammar*: University of Edinburgh dissertation.
- Baldrige, Jason, Sudipta Chatterjee, Alexis Palmer & Ben Wing. 2007. DotCCG and VisCCG: Wiki and programming paradigms for improved grammar engineering with OpenCCG. In ? 5–25. <http://csli-publications.stanford.edu/GEAF/2007/>.
- Baldrige, Jason & Geert-Jan M. Kruijff. 2002. Coupling CCG and Hybrid Logic Dependency Semantics. In ? 319–326. <http://aclanthology.info/events/acl-2002>.
- Ballweg, Joachim. 1997. Stellungsregularitäten in der Nominalphrase. In Hans-Werner Eröms, Gerhard Stickel & Gisela Zifonun (eds.), *Grammatik der deutschen Sprache*,

- vol. 7.3 (Schriften des Instituts für deutsche Sprache), 2062–2072. Berlin: Walter de Gruyter.
- Baltin, Mark. 1981. Strict bounding. In Carl Lee Baker & John J. McCarthy (eds.), *The logical problem of language acquisition*, 257–295. Cambridge, MA/London, England: MIT Press.
- Baltin, Mark. 2004. Remarks on the relation between language typology and Universal Grammar: Commentary on Newmeyer. *Studies in Language* 28(3). 549–553.
- Baltin, Mark. 2006. Extraposition. In Martin Everaert, Henk van Riemsdijk, Rob Goedemans & Bart Hollebrandse (eds.), *The Blackwell companion to syntax* (Blackwell Handbooks in Linguistics), 237–271. Oxford: Blackwell Publishing Ltd.
- Baltin, Mark R. & Anthony S. Kroch (eds.). 1989. *Alternative conceptions of phrase structure*. Chicago/London: The University of Chicago Press.
- Bangalore, Srinivas, Aravind K. Joshi & Owen Rambow. 2003. Dependency and valency in other theories: Tree Adjoining Grammar. In ? 669–678.
- Bannard, Colin, Elena Lieven & Michael Tomasello. 2009. Modeling children's early grammatical knowledge. *Proceedings of the National Academy of Sciences* 106(41). 17284–17289.
- Bar-Hillel, Yehoshua, Micha A. Perles & Eliahu Shamir. 1961. On formal properties of simple phrase-structure grammars. *Zeitschrift für Phonetik, Sprachwissenschaft und Kommunikationsforschung* 14(2). 143–172.
- Bartsch, Renate & Theo Vennemann. 1972. *Semantic structures: A study in the relation between semantics and syntax* (Athenäum-Skripten Linguistik 9). Frankfurt/Main: Athenäum.
- Barwise, Jon & John Perry. 1983. *Situations and attitudes*. Cambridge, MA/London, England: MIT Press.
- Barwise, Jon & John Perry. 1987. *Situationen und Einstellungen – Grundlagen der Situationssemantik*. Berlin, New York: de Gruyter.
- Baschung, K., G. G. Bes, A. Corluy & T. Guillotin. 1987. Auxiliaries and clitics in French UCG grammar. In Bente Maegaard (ed.), *Proceedings of the Third Conference of the European Chapter of the Association for Computational Linguistics*, 173–178. Copenhagen, Denmark: Association for Computational Linguistics.
- Bates, Elizabeth A. 1984. Bioprograms and the innateness hypothesis. *The Behavioral and Brain Sciences* 7(2). 188–190.
- Baumgärtner, Klaus. 1965. Spracherklärung mit den Mitteln der Abhängigkeitsstruktur. *Beiträge zur Sprachkunde und Informationsverarbeitung* 5. 31–53.
- Baumgärtner, Klaus. 1970. Konstituenz und Dependenz: Zur Integration beider grammatischer Prinzipien. In Hugo Steger (ed.), *Vorschläge für eine strukturelle Grammatik des Deutschen* (Wege der Forschung 144), 52–77. Darmstadt: Wissenschaftliche Buchgesellschaft.
- Bausewein, Karin. 1990. Haben kopflose Relativsätze tatsächlich keine Köpfe? In ? 144–158.
- Bayer, Josef & Jaklin Kornfilt. 1989. Restructuring effects in German. DYANA Report University of Edinburgh.

- Beavers, John. 2003. A CCG implementation for the LKB. LinGO Working Paper 2002-08 CSLI Stanford Stanford, CA. <http://lingo.stanford.edu/pubs/WP-2002-08.ps.gz>.
- Beavers, John. 2004. Type-inheritance Combinatory Categorical Grammar. In *Proceedings of COLING 2004*, 57–63. Geneva, Switzerland: Association for Computational Linguistics.
- Beavers, John, Elias Ponvert & Stephen Mark Wechsler. 2008. Possession of a controlled substantive. In T. Friedman & S. Ito (eds.), *Proceedings of Semantics and Linguistic Theory (SALT) XVIII*, 108–125. Ithaca, NY: Cornell University.
- Beavers, John & Ivan A. Sag. 2004. Coordinate ellipsis and apparent non-constituent coordination. In ? 48–69. <http://csli-publications.stanford.edu/HPSG/2004/>.
- Bech, Gunnar. 1955. *Studien über das deutsche Verbum infinitum* (Linguistische Arbeiten 139). Tübingen: Max Niemeyer Verlag. 2nd unchanged edition 1983.
- Becker, Tilman, Aravind K. Joshi & Owen Rambow. 1991. Long-distance scrambling and Tree Adjoining Grammars. In *Fifth Conference of the European Chapter of the Association for Computational Linguistics. Proceedings of the conference*, 21–26. Berlin: Association for Computational Linguistics. <http://www.aclweb.org/anthology/E91-1005.pdf>.
- Beermann, Dorothee & Lars Hellan. 2004. A treatment of directionals in two implemented HPSG grammars. In ? 357–377. <http://csli-publications.stanford.edu/HPSG/2004/>.
- Beghelli, Filippo & Timothy Stowell. 1997. Distributivity and negation: The syntax of *each* and *every*. In Anna Szabolcsi (ed.), *Ways of scope taking*, 71–107. Dordrecht: Kluwer Academic Publishers.
- Behaghel, Otto. 1909. Beziehung zwischen Umfang und Reihenfolge von Satzgliedern. *Indogermanische Forschungen* 25. 110–142.
- Behaghel, Otto. 1930. Von deutscher Wortstellung. *Zeitschrift für Deutschkunde* 44. 81–89.
- Behrens, Heike. 2009. Konstruktionen im Spracherwerb. *Zeitschrift für Germanistische Linguistik* 37(3). 427–444.
- Bellugi, Ursula, Liz Lichtenberger, Wendy Jones, Zona Lai & Marie St. George. 2000. The neurocognitive profile of Williams Syndrome: A complex pattern of strengths and weaknesses. *Journal of Cognitive Neuroscience* 12. 7–29.
- Bender, Emily & Daniel P. Flickinger. 1999. Peripheral constructions and core phenomena: Agreement in tag questions. In ? 199–214.
- Bender, Emily M. 2000. *Syntactic variation and linguistic competence: The case of AAVE copula absence*: Stanford University dissertation. <http://faculty.washington.edu/ebender/dissertation/>.
- Bender, Emily M. 2008a. Evaluating a crosslinguistic grammar resource: A case study of Wambaya. In ? 977–985. <http://aclweb.org/anthology-new/P/P08/P08-1111.pdf>.
- Bender, Emily M. 2008b. Grammar engineering for linguistic hypothesis testing. In Nicholas Gaylord, Alexis Palmer & Elias Ponvert (eds.), *Proceedings of the Texas Linguistics Society X Conference: Computational linguistics for less-studied languages*, 16–36. Stanford CA: CSLI Publications ONLINE.

- Bender, Emily M. 2008c. Radical non-configurationality without shuffle operators: An analysis of Wambaya. In ? 6–24. <http://csli-publications.stanford.edu/HPSG/2008/>.
- Bender, Emily M. 2010. Reweaving a grammar for Wambaya: A case study in grammar engineering for linguistic hypothesis testing. *Linguistic Issues in Language Technology – LiLT* 3(3). 1–34. <http://journals.linguisticsociety.org/ellanguage/lilt/article/view/662/523.html>.
- Bender, Emily M., Daniel P. Flickinger, Frederik Fouvry & Melanie Siegel (eds.). 2003. *Proceedings of the ESSLLI 2003 Workshop “Ideas and Strategies for Multilingual Grammar Development”*. Vienna, Austria.
- Bender, Emily M., Daniel P. Flickinger & Stephan Oepen. 2002. The Grammar Matrix: An open-source starter-kit for the rapid development of cross-linguistically consistent broad-coverage precision grammars. In John Carroll, Nelleke Oostdijk & Richard Sutcliffe (eds.), *Proceedings of the Workshop on Grammar Engineering and Evaluation at the 19th International Conference on Computational Linguistics*, 8–14. Taipei, Taiwan.
- Bender, Emily M. & Melanie Siegel. 2005. Implementing the syntax of Japanese numeral classifiers. In ? 626–635.
- Bergen, Benjamin K. & Nancy Chang. 2005. Embodied Construction Grammar in simulation-based language understanding. In Jan-Ola Östman & Mirjam Fried (eds.), *Construction Grammars: Cognitive grounding and theoretical extensions*, 147–190. Amsterdam: John Benjamins Publishing Co.
- Berman, Judith. 1996. Eine LFG-Grammatik des Deutschen. In ? 11–96.
- Berman, Judith. 1999. Does German satisfy the Subject Condition? In ?. <http://csli-publications.stanford.edu/LFG/4/>.
- Berman, Judith. 2003a. *Clausal syntax of German* (Studies in Constraint-Based Lexicalism). Stanford, CA: CSLI Publications.
- Berman, Judith. 2003b. Zum Einfluss der strukturellen Position auf die syntaktische Funktion der Komplementsätze. *Deutsche Sprache* 3. 263–286.
- Berman, Judith. 2007. Functional identification of complement clauses in German and the specification of COMP. In Annie Zaenen, Jane Simpson, Tracy Holloway King, Jane Grimshaw, Joan Maling & Chris Manning (eds.), *Architectures, rules, and preferences: Variations on themes by Joan W. Bresnan*, 69–83. Stanford, CA: CSLI Publications.
- Berman, Judith & Anette Frank. 1996. *Deutsche und französische Syntax im Formalismus der LFG* (Linguistische Arbeiten 344). Tübingen: Max Niemeyer Verlag.
- Berwick, Robert C. 1982. Computational complexity and Lexical-Functional Grammar. *American Journal of Computational Linguistics* 8(3–4). 97–109.
- Berwick, Robert C. & Samuel David Epstein. 1995. On the convergence of the ‘Minimalist’ Syntax and Categorical Grammar. In Anton Nijholt, Giuseppe Scollo & Rene Steetskamp (eds.), *Algebraic methods in language processing*, 143–148. Enschede: University of Twente. <http://eprints.eemcs.utwente.nl/9555/01/twlt10.pdf>.
- Berwick, Robert C. & Partha Niyogi. 1996. Learning from triggers. *Linguistic Inquiry* 27. 605–622.
- Berwick, Robert C., Paul Pietroski, Beracah Yankama & Noam Chomsky. 2011. Poverty of the Stimulus revisited. *Cognitive Science* 35(7). 1207–1242.

- Bick, Eckhard. 2001. En Constraint Grammar parser for dansk. In Peter Widell & Mette Kunøe (eds.), *8. Møde om Udforskningen af Dansk Sprog, 12.–13. October 2000*, vol. 8, 40–50. Århus: Århus University.
- Bick, Eckhard. 2003. A Constraint Grammar-based question answering system for Portuguese. In Fernando Moura Pires & Salvador Abreu (eds.), *Progress in artificial intelligence: 11th Portuguese Conference on Artificial Intelligence, EPIA 2003, Beja, Portugal, December 4–7, 2003, proceedings* (Lecture Notes in Computer Science 2902), 414–418. Berlin: Springer Verlag.
- Bick, Eckhard. 2006. A Constraint Grammar parser for Spanish. In *Proceedings of TIL 2006 – 4th Workshop on Information and Human Language Technology (Ribeirão Preto, October 27–28, 2006)*, 3–10. <http://www.nilc.icmc.usp.br/til/til2006/>.
- Bick, Eckhard. 2009. A Dependency Constraint Grammar for Esperanto. In ? 8–12.
- Bick, Eckhard. 2010. FrAG: A hybrid Constraint Grammar parser for French. In Nicoletta Calzolari, Khalid Choukri, Bente Maegaard, Joseph Mariani, Jan Odijk, Stelios Piperidis, Mike Rosner & Daniel Tapias (eds.), *Proceedings of the Seventh International Conference on Language Resources and Evaluation (LREC'10)*, 794–798. Valletta, Malta: European Language Resources Association (ELRA).
- Bick, Eckhard, Kristin Hagen, Kaili Müürisep & Trond Trosterud (eds.). 2009. *Constraint Grammar and robust parsing: Proceedings of the NODALIDA 2009 workshop* (NEALT Proceedings Series 8) Northern European Association for Language Technology Tartu: Tartu University Library.
- Bick, Eckhard & Lars Nygaard. 2007. Using Danish as a CG interlingua: A wide-coverage Norwegian-English machine translation system. In Joakim Nivre, Heiki-Jaan Kaalep, Kadri Muischnek & Mare Koit (eds.), *Proceedings of the 16th Nordic Conference of Computational Linguistics*, 21–28. Forlag uden navn.
- Bickerton, Derek. 1984a. Creol is still king. *The Behavioral and Brain Sciences* 7(2). 212–218.
- Bickerton, Derek. 1984b. The Language Bioprogram Hypothesis. *The Behavioral and Brain Sciences* 7(2). 173–188.
- Bickerton, Derek. 1997. How to acquire language without positive evidence: What acquisitionists can learn from Creoles. In Michel DeGraff (ed.), *Language creation and language change: Creolization, diachrony, and development* (Learning, Development, and Conceptual Change), 49–74. Cambridge, MA: MIT Press.
- Bierwisch, Manfred. 1963. *Grammatik des deutschen Verbs* (studia grammatica 2). Berlin: Akademie Verlag.
- Bierwisch, Manfred. 1966. Strukturalismus: Geschichte, Probleme und Methoden. *Kursbuch* 5. 77–152.
- Bierwisch, Manfred. 1992. Grammatikforschung in der DDR: Auch ein Rückblick. *Linguistische Berichte* 139. 169–181.
- Bildhauer, Felix. 2008. *Representing information structure in an HPSG grammar of Spanish*: Universität Bremen Dissertation.
- Bildhauer, Felix. 2011. Mehrfache Vorfeldbesetzung und Informationsstruktur: Eine Bestandsaufnahme. *Deutsche Sprache* 39(4). 362–379.

- Bildhauer, Felix. 2014. Head-Driven Phrase Structure Grammar. In ? 526–555.
- Bildhauer, Felix & Philippa Helen Cook. 2010. German multiple fronting and expected topic-hood. In Stefan Müller (ed.), *Proceedings of the 17th International Conference on Head-Driven Phrase Structure Grammar, Université Paris Diderot*, 68–79. Stanford, CA: CSLI Publications.
- Bird, Steven & Ewan Klein. 1994. Phonological analysis in typed feature systems. *Computational Linguistics* 20(3). 455–491.
- Bishop, Dorothy V. M. 2002. Putting language genes in perspective. *TRENDS in Genetics* 18(2). 57–59.
- Bjerre, Tavs. 2006. Object positions in a topological sentence model for Danish: A linearization-based HPSG approach. Presentation at Ph.D.-Course at Sandbjerg, Denmark. <http://www.hum.au.dk/engelsk/engsv/objectpositions/workshop/Bjerre.pdf>.
- Blackburn, Patrick & Johan Bos. 2005. *Representation and inference for natural language: A first course in computational semantics*. Stanford, CA: CSLI Publications.
- Blackburn, Patrick, Claire Gardent & Wilfried Meyer-Viol. 1993. Talking about trees. In ? 21–29.
- Błaszczak, Joanna & Hans-Martin Gärtner. 2005. Intonational phrasing, discontinuity, and the scope of negation. *Syntax* 8(1). 1–22.
- Blevins, James P. 2003. Passives and impersonals. *Journal of Linguistics* 39(3). 473–520.
- Block, Hans-Ulrich & Rudolf Hunze. 1986. Incremental construction of c- and f-structure in a LFG-parser. In ? 490–493.
- Blom, Corrien. 2005. *Complex predicates in Dutch: Synchrony and diachrony* (LOT Dissertation Series 111). Utrecht: Utrecht University.
- Bloom, Paul. 1993. Grammatical continuity in language development: The case of subjectless sentences. *Linguistic Inquiry* 24(4). 721–734.
- Boas, Hans C. 2003. *A Constructional approach to resultatives* (Stanford Monographs in Linguistics). Stanford, CA: CSLI Publications.
- Boas, Hans C. 2014. Lexical approaches to argument structure: Two sides of the same coin. *Theoretical Linguistics* 40(1–2). 89–112.
- Boas, Hans C. & Ivan A. Sag (eds.). 2012. *Sign-based Construction Grammar* (CSLI Lecture Notes 193). Stanford, CA: CSLI Publications.
- Bobaljik, Jonathan. 1999. Adverbs: The hierarchy paradox. *Glott International* 4(9/10). 27–28.
- Bod, Rens. 2009a. Constructions at work or at rest? *Cognitive Linguistics* 20(1). 129–134.
- Bod, Rens. 2009b. From exemplar to grammar: Integrating analogy and probability in language learning. *Cognitive Science* 33(4). 752–793.
- Bögel, Tina, Miriam Butt & Sebastian Sulger. 2008. Urdu ezafé and the morphology-syntax interface. In ? 129–149. <http://csli-publications.stanford.edu/LFG/13/>.
- Bohnet, Bernd. 2010. Very high accuracy and fast Dependency Parsing is not a contradiction. In Chu-Ren Huang & Dan Jurafsky (eds.), *Proceedings of the 23rd International Conference on Computational Linguistics*, 89–97. Stroudsburg, PA, USA: Association for Computational Linguistics.



- Bolc, Leonard, Krzysztof Czuba, Anna Kupść, Małgorzata Marciniak, Agnieszka Mykowiecka & Adam Przepiórkowski. 1996. A survey of systems for implementing HPSG grammars. Tech. Rep. 814 Institute of Computer Science, Polish Academy of Sciences Warsaw, Poland. <http://www.cs.cmu.edu/~kczuba/systems-wide.ps.gz>.
- Booij, Geert E. 2002. Separable complex verbs in Dutch: A case of periphrastic word formation. In ? 21–41.
- Booij, Geert E. 2005. Construction-Dependent Morphology. *Lingue e linguaggio* 4. 31–46.
- Booij, Geert E. 2009. Lexical integrity as a formal universal: A Constructionist view. In Sergio Scalise, Elisabetta Magni & Antonietta Bisetto (eds.), *Universals of language today* (Studies in Natural Language and Linguistic Theory 76), 83–100. Berlin: Springer Verlag.
- Booij, Geert E. 2010. Construction morphology. *Language and Linguistics Compass* 4(7). 543–555. DOI:10.1111/j.1749-818X.2010.00213.x.
- Booij, Geert E. 2012. Construction morphology. Ms. Leiden University.
- Borer, Hagit. 1994. The projection of arguments. In E. Benedicto & J. Runner (eds.), *Functional projections* (UMass Occasional Papers in Linguistics (UMOP) 17), 19–47. Massachusetts: University of Massachusetts Graduate Linguistic Student Association.
- Borer, Hagit. 2003. Exo-skeletal vs. endo-skeletal explanations: Syntactic projections and the lexicon. In John Moore & Maria Polinsky (eds.), *The nature of explanation in linguistic theory*, 31–67. Stanford, CA: CSLI Publications.
- Borer, Hagit. 2005. *Structuring sense: In name only*, vol. 1. Oxford: Oxford University Press.
- Borsley, Robert D. 1987. Subjects and complements in HPSG. Report No. CSLI-87-107 Center for the Study of Language and Information Stanford, CA.
- Borsley, Robert D. 1989. Phrase-Structure Grammar and the Barriers conception of clause structure. *Linguistics* 27(5). 843–863.
- Borsley, Robert D. 1999. *Syntactic theory: A unified approach*. London: Edward Arnold 2nd edn.
- Borsley, Robert D. 2005. Against ConjP. *Lingua* 115(4). 461–482.
- Borsley, Robert D. 2006. Syntactic and lexical approaches to unbounded dependencies. Essex Research Reports in Linguistics 49 University of Essex. <http://core.ac.uk/download/pdf/4187949.pdf#page=35>.
- Borsley, Robert D. 2007. Hang on again! Are we ‘on the right track’? In Andrew Radford (ed.), *Martin Atkinson – the Minimalist muse* (Essex Research Reports in Linguistics 53), 43–69. Essex: Department of Language and Linguistics, University of Essex.
- Borsley, Robert D. 2012. Don’t move! *Iberia: An International Journal of Theoretical Linguistics* 4(1). 110–139.
- Borsley, Robert D. & Kersti Börjars (eds.). 2011. *Non-transformational syntax: Formal and explicit models of grammar: A guide to current models*. Oxford, UK/Cambridge, MA: Blackwell Publishing Ltd.
- Bos, Johan. 1996. Predicate logic unplugged. In Paul J. E. Dekker & M. Stokhof (eds.), *Proceedings of the Tenth Amsterdam Colloquium*, 133–143. Amsterdam: ILLC/Department of Philosophy, University of Amsterdam.

- Boukedi, Sirine & Kais Haddar. 2014. HPSG grammar treating of different forms of Arabic coordination. *Research in Computing Science* 86: Advances in Computational Linguistics and Intelligent Decision Making, 25–41.
- Boullier, Pierre & Benoît Sagot. 2005a. Analyse syntaxique profonde à grande échelle: SxLFG. *Traitement Automatique des Langues (T.A.L.)* 46(2). 65–89.
- Boullier, Pierre & Benoît Sagot. 2005b. Efficient and robust LFG parsing: SxLFG. In *Proceedings of IWPT 2005*, 1–10. Vancouver, Canada: Association for Computational Linguistics.
- Boullier, Pierre, Benoît Sagot & Lionel Clément. 2005. Un analyseur LFG efficace pour le français: SxLfg. In *Actes de TALN 05*, 403–408. Dourdan, France.
- Bouma, Gosse. 1996. Extraposition as a nonlocal dependency. In Geert-Jan Kruijff, Glynn V. Morrill & Dick Oehrle (eds.), *Proceedings of Formal Grammar 96*, 1–14. Prag. <http://www.let.rug.nl/gosse/papers.html>.
- Bouma, Gosse, Robert Malouf & Ivan A. Sag. 2001a. Satisfying constraints on extraction and adjunction. *Natural Language and Linguistic Theory* 19(1). 1–65.
- Bouma, Gosse & Gertjan van Noord. 1994. Constraint-based Categorical Grammar. In James Pustejovsky (ed.), *32th Annual Meeting of the Association for Computational Linguistics. Proceedings of the conference*, 147–154. Las Cruces: Association for Computational Linguistics.
- Bouma, Gosse & Gertjan van Noord. 1998. Word order constraints on verb clusters in German and Dutch. In Erhard W. Hinrichs, Andreas Kathol & Tsuneko Nakazawa (eds.), *Complex predicates in nonderivational syntax* (Syntax and Semantics 30), 43–72. San Diego: Academic Press. <http://www.let.rug.nl/~vannoord/papers/>.
- Bouma, Gosse, Gertjan van Noord & Robert Malouf. 2001b. Alpino: Wide-coverage computational analysis of Dutch. In Walter Daelemans, Khalil Sima'an, Jorn Veenstra & Jakub Zavrel (eds.), *Computational linguistics in the Netherlands 2000: Selected papers from the Eleventh CLIN Meeting* (Language and Computers 37), Amsterdam/New York, NY: Rodopi.
- Bragmann, Sascha. 2015. Syntactically flexible VP-idioms and the N-after-N Construction. Poster presentation at the 5th General Meeting of PARSEME, Iasi, 23–24 September 2015.
- Braine, Martin D. S. 1987. What is learned in acquiring word classes—A step toward an acquisition theory. In Brian MacWhinny (ed.), *Mechanisms of language acquisition*, 65–87. Hillsdale, NJ: Lawrence Erlbaum Associates, Publishers.
- Branco, António & Francisco Costa. 2008a. A computational grammar for deep linguistic processing of Portuguese: LXGram, version A.4.1. Tech. Rep. TR-2008-17 Universidade de Lisboa, Faculdade de Ciências, Departamento de Informática.
- Branco, António & Francisco Costa. 2008b. LXGram in the shared task ‘comparing semantic representations’ of STEP 2008. In Johan Bos & Rodolfo Delmonte (eds.), *Semantics in text processing: STEP 2008 conference proceedings*, vol. 1 (Research in Computational Semantics), 299–314. London: College Publications. <http://www.aclweb.org/anthology/W08-2224>.

- Brants, Sabine, Stefanie Dipper, Peter Eisenberg, Silvia Hansen-Schirra, Esther König, Wolfgang Lezius, Christian Rohrer, George Smith & Hans Uszkoreit. 2004. TIGER: Linguistic interpretation of a German corpus. *Research on Language and Computation* 2(4). 597–620.
- Bresnan, Joan. 1974. The position of certain clause-particles in phrase structure. *Linguistic Inquiry* 5(4). 614–619.
- Bresnan, Joan. 1978. A realistic Transformational Grammar. In M. Halle, J. Bresnan & G. A. Miller (eds.), *Linguistic theory and psychological reality*, 1–59. Cambridge, MA: MIT Press.
- Bresnan, Joan. 1982a. Control and complementation. *Linguistic Inquiry* 13(3). 343–434.
- Bresnan, Joan (ed.). 1982b. *The mental representation of grammatical relations* (MIT Press Series on Cognitive Theory and Mental Representation). Cambridge, MA/London: MIT Press.
- Bresnan, Joan. 1982c. The passive in lexical theory. In ? 3–86.
- Bresnan, Joan. 2001. *Lexical-Functional Syntax*. Oxford, UK/Cambridge, USA: Blackwell.
- Bresnan, Joan & Jane Grimshaw. 1978. The syntax of free relatives in English. *Linguistic Inquiry* 9. 331–392.
- Bresnan, Joan & Jonni M. Kanerva. 1989. Locative inversion in Chichewa: A case study of factorization in grammar. *Linguistic Inquiry* 20(1). 1–50.
- Bresnan, Joan & Ronald M. Kaplan. 1982. Introduction: Grammars as mental representations of language. In ? xvii–lii.
- Bresnan, Joan & Sam A. Mchombo. 1995. The Lexical Integrity Principle: Evidence from Bantu. *Natural Language and Linguistic Theory* 13. 181–254.
- Bresnan, Joan & Annie Zaenen. 1990. Deep unaccusativity in LFG. In Katarzyna Dziwirek, Patrick Farrell & Errapel Mejías-Bikandi (eds.), *Grammatical relations: A cross-theoretical perspective*, 45–57. Stanford, CA: CSLI Publications.
- Brew, Chris. 1995. Stochastic HPSG. In ? 83–89.
- Briscoe, Ted J. 1997. Review of Edward P. Stabler, Jr., *The logical approach to syntax: Foundations, specifications, and implementations of theories of Government and Binding*. *Journal of Linguistics* 33(1). 223–225.
- Briscoe, Ted J. 2000. Grammatical acquisition: Inductive bias and coevolution of language and the language acquisition device. *Language* 76(2). 245–296.
- Briscoe, Ted J. & Ann Copestake. 1999. Lexical rules in constraint-based grammar. *Computational Linguistics* 25(4). 487–526.
- Bröker, Norbert. 2003. Formal foundations of Dependency Grammar. In ? 294–310.
- Brosziewski, Ulf. 2003. *Syntactic derivations: A nontransformational view* (Linguistische Arbeiten 470). Tübingen: Max Niemeyer Verlag.
- Brown, Keith (ed.). 2006. *The encyclopedia of language and linguistics*. Oxford: Elsevier Science Publisher B.V. (North-Holland) 2nd edn.
- Brown, Roger & Camille Hanlon. 1970. Derivational complexity and order of acquisition in child speech. In John R. Hayes (ed.), *Cognition and the development of language*, 11–53. New York: John Wiley & Sons, Inc.

- Bruening, Benjamin. 2009. Selectional asymmetries between CP and DP suggest that the DP hypothesis is wrong. In Laurel MacKenzie (ed.), *Proceedings of the 32th Annual Penn Linguistics Colloquium* (Penn Working Papers in Linguistics 15.1), 26–35. Philadelphia.
- Bryant, John. 2003. *Constructional analysis*. University of California at Berkeley MA thesis. <http://www.icsi.berkeley.edu/~jbryant/old-analyzer.html>.
- Budde, Monika. 2010. Konstruktionen integrativ: Topik-Konstruktionen als rein-syntaktisches Pendant zu den lexikalisch verankerten Komplement-Konstruktionen. Vortrag auf der Tagung Konstruktionsgrammatik: Neue Perspektiven zur Untersuchung des Deutschen und Englischen. Internationale Fachtagung an der Christian-Albrechts-Universität zu Kiel vom 18. bis 20. Februar 2010.
- Bungeroth, Jan. 2002. *A formal description of Sign Language using HPSG*. Karlsruhe Department of Computer Science, University of Stellenbosch, Lehrstuhl Informatik für Ingenieure und Naturwissenschaftler, Universität Karlsruhe (TH) Diploma thesis. <http://www-i6.informatik.rwth-aachen.de/~bungeroth/diplarb.pdf>.
- Burzio, Luigi. 1981. *Intransitive verbs and Italian auxiliaries*: MIT dissertation.
- Burzio, Luigi. 1986. *Italian syntax: A Government-Binding approach* (Studies in Natural Language and Linguistic Theory 1). Dordrecht: D. Reidel Publishing Company.
- Busemann, Stephan. 1992. *Generierung natürlicher Sprache mit generalisierten Phrasenstrukturgrammatiken*, vol. 313 (Informatik-Fachberichte). Berlin: Springer Verlag.
- Bußmann, Hadumod (ed.). 1983. *Lexikon der Sprachwissenschaft* (Kröners Taschenausgabe 452). Stuttgart: Alfred Kröner Verlag.
- Bußmann, Hadumod (ed.). 1990. *Lexikon der Sprachwissenschaft* (Kröners Taschenausgabe 452). Stuttgart: Alfred Kröner Verlag 2nd edn.
- Butt, Miriam. 2003. The light verb jungle. In C. Quinn, C. Bowerman & G. Aygen (eds.), *Papers from the Harvard/Dudley House light verb workshop* (Harvard Working Papers in Linguistics 9), 1–49. Harvard University, Department of Linguistics.
- Butt, Miriam, Stefanie Dipper, Anette Frank & Tracy Holloway King. 1999a. Writing large-scale parallel grammars for English, French and German. In ?. <http://csli-publications.stanford.edu/LFG/4/>.
- Butt, Miriam, Helge Dyvik, Tracy Holloway King, Hiroshi Masuichi & Christian Rohrer. 2002. The Parallel Grammar Project. In *Proceedings of COLING-2002 Workshop on Grammar Engineering and Evaluation*, 1–7.
- Butt, Miriam & Tracy Holloway King (eds.). 1999. *Proceedings of the LFG '99 conference, University of Manchester*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/4/>.
- Butt, Miriam & Tracy Holloway King (eds.). 2005. *Proceedings of the LFG 2005 conference*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/10/>.
- Butt, Miriam & Tracy Holloway King (eds.). 2008. *Proceedings of the LFG 2008 conference*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/13/>.
- Butt, Miriam & Tracy Holloway King (eds.). 2009. *Proceedings of the LFG 2009 conference*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/14/>.
- Butt, Miriam & Tracy Holloway King (eds.). 2014. *Proceedings of the LFG 2014 conference*. Stanford, CA: CSLI Publications.

- Butt, Miriam, Tracy Holloway King, María-Eugenia Niño & Frédérique Segond. 1999b. *A grammar writer's cookbook* (CSLI Lecture Notes 95). Stanford, CA: CSLI Publications.
- Butt, Miriam, Tracy Holloway King & Sebastian Roth. 2007. Urdu correlatives: Theoretical and implementational issues. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2007 conference*, 107–127. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/12/>.
- Cahill, Aoife, Michael Burke, Martin Forst, Ruth O'Donovan, Christian Rohrer, Josef van Genabith & Andy Way. 2005. Treebank-based acquisition of multilingual unification grammar resources. *Research on Language and Computation* 3(2). 247–279.
- Cahill, Aoife, Michael Burke, Ruth O'Donovan, Stefan Riezler, Josef van Genabith & Andy Way. 2008. Wide-coverage deep statistical parsing using automatic dependency structure annotation. *Computational Linguistics* 34(1). 81–124.
- Calder, Jonathan, Ewan Klein & Henk Zeevat. 1988. Unification Categorical Grammar: A concise, extendable grammar for natural language processing. In ? 83–86.
- Callmeier, Ulrich. 2000. PET—A platform for experimentation with efficient HPSG processing techniques. *Journal of Natural Language Engineering* 1(6). 99–108. (Special Issue on Efficient Processing with HPSG: Methods, Systems, Evaluation).
- Calzolari, Nicoletta, Claire Cardie & Pierre Isabelle (eds.). 2006. *Proceedings of the 21st International Conference on Computational Linguistics and 44th Annual Meeting of the Association for Computational Linguistics*. Sydney, Australia: Association for Computational Linguistics.
- Candito, Marie-Hélène. 1996. A principle-based hierarchical representation of LTAGs. In ? 194–199.
- Candito, Marie-Hélène. 1998. Building parallel LTAG for French and Italian. In *Proceedings of the 36th Annual Meeting of the Association for Computational Linguistics and 17th International Conference on Computational Linguistics*, 211–217. Montreal, Quebec, Canada: Association for Computational Linguistics.
- Candito, Marie-Hélène. 1999. *Organisation modulaire et paramétrable de grammaires électroniques lexicalisées. Application au français et à l'italien*: Université Paris 7 dissertation.
- Candito, Marie-Hélène & Sylvain Kahane. 1998. Can the TAG derivation tree represent a semantic graph? An answer in the light of Meaning-Text Theory. In *TAG+4*, 25–28.
- Cappelle, Bert. 2006. Particle placement and the case for “allostructions”. *Constructions online* 1(7). 1–28.
- Cappelle, Bert, Yuri Shtyrov & Friedemann Pulvermüller. 2010. *Heating up or cooling up the brain? MEG evidence that phrasal verbs are lexical units*. *Brain and Language* 115. 189–201.
- Carlson, Gregory N. & Michael K. Tanenhaus. 1988. Thematic roles and language comprehension. In Wendy Wilkins (ed.), *Thematic relations* (Syntax and Semantics 21), 263–289. San Diego: Academic Press.
- Carnie, Andrew, Yosuke Sato & Dan Siddiqi (eds.). 2014. *The Routledge handbook of syntax*. Oxford: Routledge.

- Carpenter, Bob. 1992. *The logic of typed feature structures* (Tracts in Theoretical Computer Science). Cambridge: Cambridge University Press.
- Carpenter, Bob. 1994. A natural deduction theorem prover for type-theoretic Categorical Grammars. Tech. rep. Carnegie Mellon Laboratory for Computational Linguistics. [http://www.essex.ac.uk/linguistics/external/clmt/papers/cg/carp\\_cgparser\\_doc.ps](http://www.essex.ac.uk/linguistics/external/clmt/papers/cg/carp_cgparser_doc.ps).
- Carpenter, Bob. 1998. *Type-logical semantics*. Cambridge, MA/London, England: MIT Press.
- Carpenter, Bob & Gerald Penn. 1996. Efficient parsing of compiled typed attribute value logic grammars. In Harry Bunt & Masaru Tomita (eds.), *Recent advances in parsing technology* (Text, Speech and Language Technology 1), 145–168. Dordrecht: Kluwer Academic Publishers.
- Çetinoğlu, Özlem & Kemal Oflazer. 2006. Morphology-syntax interface for Turkish LFG. In ? 153–160.
- Chang, Nancy Chih-Lin. 2008. Constructing grammar: A computational model of the emergence of early constructions. Technical Report UCB/EECS-2009-24 Electrical Engineering and Computer Sciences, University of California at Berkeley.
- Chaves, Rui P. 2009. Construction-based cumulation and adjunct extraction. In ? 47–67.
- Choi, Hye-Won. 1999. *Optimizing structure in scrambling: Scrambling and information structure* (Dissertations in Linguistics). Stanford, CA: CSLI Publications.
- Chomsky, Noam. 1956. Three models for the description of language. *IRE Transactions on Information Theory* 2. 113–124.
- Chomsky, Noam. 1957. *Syntactic structures* (Janua Linguarum / Series Minor 4). The Hague/Paris: Mouton.
- Chomsky, Noam. 1959. On certain formal properties of grammars. *Information and Control* 2(2). 137–167.
- Chomsky, Noam. 1964a. *Current issues in linguistic theory* (Janua Linguarum / Series Minor 38). The Hague/Paris: Mouton.
- Chomsky, Noam. 1964b. Degrees of grammaticalness. In ? 384–389.
- Chomsky, Noam. 1965. *Aspects of the theory of syntax*. Cambridge, MA: MIT Press.
- Chomsky, Noam. 1970. Remarks on nominalization. In Roderick A. Jacobs & Peter S. Rosenbaum (eds.), *Readings in English Transformational Grammar*, chap. 12, 184–221. Waltham, MA/Toronto/London: Ginn and Company.
- Chomsky, Noam. 1971. *Problems of knowledge and freedom*. London: Fontana.
- Chomsky, Noam. 1973. Conditions on transformations. In Stephen R. Anderson & Paul Kiparski (eds.), *A festschrift for Morris Halle*, 232–286. New York: Holt, Rinehart & Winston.
- Chomsky, Noam. 1975. *The logical structure of linguistic theory*. New York: Plenum Press.
- Chomsky, Noam. 1976a. Language and the mind. In Diane D. Borstein (ed.), *Readings in the theory of grammar: From the 17th to the 20th century*, 241–251. Cambridge, MA: Winthrop. Reprint from: ?.
- Chomsky, Noam. 1976b. *Reflections on language*. New York: Pantheon Books.
- Chomsky, Noam. 1977. *Essays on form and interpretation*. New York: North Holland.
- Chomsky, Noam. 1980. *Rules and representations*. Oxford: Basil Blackwell.

## Bibliography

- Chomsky, Noam. 1981a. *Lectures on government and binding*. Dordrecht: Foris Publications.
- Chomsky, Noam. 1981b. Reply to comments of Thompson. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences* 295(1077). 277–281.
- Chomsky, Noam. 1982. *Some concepts and consequences of the theory of Government and Binding* (Linguistic Inquiry Monographs 5). Cambridge, MA/London, England: MIT Press.
- Chomsky, Noam. 1986a. *Barriers* (Linguistic Inquiry Monographs 13). Cambridge, MA/London, England: MIT Press.
- Chomsky, Noam. 1986b. *Knowledge of language: Its nature, origin, and use* (Convergence). New York/Westport, Connecticut/London: Praeger.
- Chomsky, Noam. 1988. *Language and problems of knowledge: The Managua lectures* (Current Studies in Linguistics 16). Cambridge, MA: MIT Press.
- Chomsky, Noam. 1989. Some notes on economy of derivation and representation. In I. Laka & Anoop Mahajan (eds.), *Functional heads and clause structure* (MIT Working Papers in Linguistics 10), 43–74. Cambridge, MA: Department of Linguistics and Philosophy.
- Chomsky, Noam. 1990. On formalization and formal linguistics. *Natural Language and Linguistic Theory* 8(1). 143–147.
- Chomsky, Noam. 1991. Some notes on economy of derivation and representation. In Robert Freidin (ed.), *Principles and parameters in Generative Grammar*, 417–454. Cambridge, MA: MIT Press. Reprint as: ? : 129–166.
- Chomsky, Noam. 1993. A Minimalist Program for linguistic theory. In ? 1–52.
- Chomsky, Noam. 1995a. Bare phrase structure. In Hector Campos & Paula Kempchinsky (eds.), *Evolution and revolution in linguistic theory: Essays in honor of Carlos Otero*, 51–109. Washington, DC: Georgetown U Press.
- Chomsky, Noam. 1995b. *The Minimalist Program* (Current Studies in Linguistics 28). Cambridge, MA/London, England: MIT Press.
- Chomsky, Noam. 1998. Noam Chomsky's Minimalist Program and the philosophy of mind: An interview [with] Camilo J. Cela-Conde and Gisde Marty. *Syntax* 1(1). 19–36.
- Chomsky, Noam. 1999. Derivation by phase. MIT Occasional Papers in Linguistics 18 MIT. Reprint in: Michael Kenstowicz, ed. 2001. *Ken Hale. A Life in Language*. Cambridge, MA: MIT Press, 1–52.
- Chomsky, Noam. 2000. *New horizons in the study of language and mind*. Cambridge, UK: Cambridge University Press.
- Chomsky, Noam. 2001. Derivation by phase. In Michael Kenstowicz (ed.), *Ken Hale: A life in language*, 1–52. Cambridge, MA: MIT Press.
- Chomsky, Noam. 2002. *On nature and language*. Cambridge, UK: Cambridge University Press.
- Chomsky, Noam. 2005. Three factors in language design. *Linguistic Inquiry* 36(1). 1–22.
- Chomsky, Noam. 2007. Approaching UG from below. In ? 1–29.

- Chomsky, Noam. 2008. On phases. In Robert Freidin, Carlos P. Otero & Maria Luisa Zubizarreta (eds.), *Foundational issues in linguistic theory: Essays in honor of Jean-Roger Vergnaud*, 133–166. Cambridge, MA: MIT Press.
- Chomsky, Noam. 2010. Restricting stipulations: Consequences and challenges. Talk given in Stuttgart.
- Chomsky, Noam. 2013. Problems of projection. *Lingua* 130. 33–49.
- Chomsky, Noam & George A. Miller. 1963. Introduction to the formal analysis of natural languages. In R. Duncan Luce, Robert R. Bush & Eugene Galanter (eds.), *Handbook of mathematical psychology*, vol. 2, 269–321. New York: John Wiley & Sons, Inc.
- Chouinard, Michelle M. & Eve V. Clark. 2003. Adult reformulations of child errors as negative evidence. *Journal of Child Language* 30. 637–669.
- Chrupala, Grzegorz & Josef van Genabith. 2006. Using machine-learning to assign function labels to parser output for Spanish. In ? 136–143.
- Chung, Sandra & James McCloskey. 1983. On the interpretation of certain island facts in GPSG. *Linguistic Inquiry* 14. 704–713.
- Church, Kenneth. 2011. A pendulum swung too far. *Linguistic Issues in Language Technology* 6(5). 1–27. <http://journals.linguisticsociety.org/elanguage/lilt/article/view/2581.html>. Special Issue on Interaction of Linguistics and Computational Linguistics.
- Cinque, Guglielmo. 1994. On the evidence for partial N movement in the Romance DP. In Guglielmo Cinque, Jan Koster, Jean-Yves Pollock, Luigi Rizzi & Raffaella Zanuttini (eds.), *Paths towards Universal Grammar: Studies in honor of Richard S. Kayne*, 85–110. Washington, D.C.: Georgetown University Press.
- Cinque, Guglielmo. 1999. *Adverbs and functional heads: A cross-linguistic perspective*. New York, Oxford: Oxford University Press.
- Cinque, Guglielmo & Luigi Rizzi. 2010. The cartography of syntactic structures. In Bernd Heine & Heiko Narrog (eds.), *The Oxford handbook of linguistic analysis*, 51–65. Oxford: Oxford University Press.
- Citko, Barbara. 2008. Missing labels. *Lingua* 118(7). 907–944.
- Clark, Alexander. 2000. Inducing syntactic categories by context distribution clustering. In *Proceedings CoNLL 2000*, 91–94. Stroudsburg, PA: Association for Computational Linguistics.
- Clark, Herbert H. & Jean E. Fox Tree. 2002. Using *uh* and *um* in spontaneous speaking. *Cognition* 84(1). 73–111.
- Clark, Herbert H. & Thomas Wasow. 1998. Repeating words in spontaneous speech. *Cognitive Psychology* 37(3). 201–242.
- Clark, Stephen & James Curran. 2007. Wide-coverage efficient statistical parsing with CCG and log-linear models. *Computational Linguistics* 33(4). 493–552.
- Clark, Stephen, Julia Hockenmaier & Mark J. Steedman. 2002. Building deep dependency structures with a wide-coverage CCG parser. In ? 327–334. <http://aclanthology.info/events/acl-2002>.
- Clément, Lionel. 2009. XLFG5 documentation. Translated from French by Olivier Bonami. <http://www.xlfg.org/>.



## Bibliography

- Clément, Lionel & Alexandra Kinyon. 2001. XLFG—An LFG parsing scheme for French. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2001 conference*, Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/6/>.
- Clément, Lionel & Alexandra Kinyon. 2003. Generating parallel multilingual LFG-TAG grammars from a MetaGrammar. In Erhard Hinrichs & Dan Roth (eds.), *Proceedings of the 41st Annual Meeting of the Association for Computational Linguistics*, 184–191. Sapporo, Japan: Association for Computational Linguistics.
- Clifton, Charles Jr. & Penelope Odom. 1966. Similarity relations among certain English sentence constructions. *Psychological Monographs: General and Applied* 80(5). 1–35.
- Coch, Jose. 1996. Overview of AlethGen. In *Demonstrations and posters of the Eighth International Natural Language Generation Workshop (INLG'96)*, 25–28.
- Cook, Philippa Helen. 2001. *Coherence in German: An information structure approach*: Departments of Linguistics and German, University of Manchester dissertation.
- Cook, Philippa Helen. 2006. The datives that aren't born equal: Beneficiaries and the dative passive. In Daniel Hole, André Meinunger & Werner Abraham (eds.), *Datives and similar cases: Between argument structure and event structure*, 141–184. Amsterdam: John Benjamins Publishing Co.
- Cooper, Robin, Kuniaki Mukai & John Perry (eds.). 1990. *Situation Theory and its applications*, vol. 1 (CSLI Lecture Notes 22). Stanford, CA: CSLI Publications.
- Coopmans, Peter. 1989. Where stylistic and syntactic processes meet: Locative inversion in English. *Language* 65(4). 728–751.
- Copestake, Ann. 2002. *Implementing typed feature structure grammars* (CSLI Lecture Notes 110). Stanford, CA: CSLI Publications.
- Copestake, Ann. 2007. Applying robust semantics. In *Proceedings of the 10th Conference of the Pacific Association for Computational Linguistics (PACLING)*, 1–12.
- Copestake, Ann & Ted Briscoe. 1995. Semi-productive polysemy and sense extension. *Journal of Semantics* 12(1). 15–67.
- Copestake, Ann & Ted J. Briscoe. 1992. Lexical operations in a unification based framework. In James Pustejovsky & Sabine Bergler (eds.), *Lexical semantics and knowledge representation* (Lecture Notes in Artificial Intelligence 627), 101–119. Berlin: Springer Verlag.
- Copestake, Ann & Daniel P. Flickinger. 2000. An open-source grammar development environment and broad-coverage English grammar using HPSG. In *Proceedings of the second Linguistic Resources and Evaluation Conference*, 591–600. Athens, Greece.
- Copestake, Ann, Daniel P. Flickinger, Carl J. Pollard & Ivan A. Sag. 2005. Minimal Recursion Semantics: An introduction. *Research on Language and Computation* 4(3). 281–332.
- Correa, Nelson. 1987. An Attribute-Grammar implementation of Government-Binding Theory. In ? 45–51.
- Costa, Francisco & António Branco. 2010. LXGram: A deep linguistic processing grammar for Portuguese. In Thiago A.S. Pardo (ed.), *Computational processing of the Portuguese language: 9th International Conference, PROPOR 2010, Porto Alegre, RS, Brazil*,

- April 27–30, 2010. *Proceedings* (Lecture Notes in Artificial Intelligence 6001), 86–89. Berlin: Springer Verlag.
- Covington, Michael A. 1990. Parsing discontinuous constituents in Dependency Grammar. *Computational Linguistics* 16(4). 234–236.
- Crabbé, Benoit. 2005. *Représentation informatique de grammaires d'arbres fortement lexicalisées: le cas de la grammaire d'arbres adjoints*: Université Nancy 2 dissertation.
- Crain, Stephen, Drew Khlentzos & Rosalind Thornton. 2010. Universal Grammar versus language diversity. *Lingua* 120(12). 2668–2672.
- Crain, Stephen & Mineharu Nakayama. 1987. Structure dependence in grammar formation. *Language* 63(3). 522–543.
- Crain, Stephen & Mark J. Steedman. 1985. On not being led up the garden path: The use of context by the psychological syntax processor. In ? 320–358.
- Crain, Stephen, Rosalind Thornton & Drew Khlentzos. 2009. The case of the missing generalizations. *Cognitive Linguistics* 20(1). 145–155.
- Cramer, Bart & Yi Zhang. 2009. Construction of a German HPSG grammar from a detailed treebank. In ? 37–45. <http://www.aclweb.org/anthology/W/W09/#2600>.
- Crocker, Matthew Walter & Ian Lewin. 1992. Parsing as deduction: Rules versus principles. In Bernd Neumann (ed.), *ECAI 92. 10th European Conference on Artificial Intelligence*, 508–512. John Wiley & Sons, Inc.
- Croft, William. 2001. *Radical Construction Grammar: Syntactic theory in typological perspective*. Oxford: Oxford University Press.
- Croft, William. 2003. Lexical rules vs. constructions: A false dichotomy. In Hubert Cuyckens, Thomas Berg, René Dirven & Klaus-Uwe Panther (eds.), *Motivation in language: Studies in honour of Günter Radden*, 49–68. Amsterdam: John Benjamins Publishing Co.
- Croft, William. 2009. Syntax is more diverse, and evolutionary linguistics is already here. *The Behavioral and Brain Sciences* 32(5). 457–458.
- Crysmann, Berthold. 2001. Clitics and coordination in linear structure. In Birgit Gerlach & Janet Grijzenhout (eds.), *Clitics in phonology, morphology and syntax* (Linguistik Aktuell/Linguistics Today 36), 121–159. Amsterdam: John Benjamins Publishing Co.
- Crysmann, Berthold. 2002. *Constraint-based co-analysis: Portuguese cliticisation and morphology-syntax interaction in HPSG* (Saarbrücken Dissertations in Computational Linguistics and Language Technology 15). Saarbrücken: Deutsches Forschungszentrum für Künstliche Intelligenz und Universität des Saarlandes.
- Crysmann, Berthold. 2003. On the efficient implementation of German verb placement in HPSG. In *Proceedings of RANLP 2003*, 112–116. Borovets, Bulgaria.
- Crysmann, Berthold. 2004. Underspecification of intersective modifier attachment: Some arguments from German. In ? 378–392. <http://csli-publications.stanford.edu/HPSG/2004/>.
- Crysmann, Berthold. 2005a. An inflectional approach to Hausa final vowel shortening. In Geert Booij & Jaap van Marle (eds.), *Yearbook of morphology 2004*, 73–112. Dordrecht: Kluwer Academic Publishers.

- Crysmann, Berthold. 2005b. Relative clause extraposition in German: An efficient and portable implementation. *Research on Language and Computation* 1(3). 61–82.
- Crysmann, Berthold. 2005c. Syncretism in German: A unified approach to underspecification, indeterminacy, and likeness of case. In Stefan Müller (ed.), *Proceedings of the 12th International Conference on Head-Driven Phrase Structure Grammar, Department of Informatics, University of Lisbon*, 91–107. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2005/>.
- Crysmann, Berthold. 2008. An asymmetric theory of peripheral sharing in HPSG: Conjunction reduction and coordination of unlikes. In ? 47–62.
- Crysmann, Berthold. 2009. Autosegmental representations in an HPSG of Hausa. In ? 28–36. <http://www.aclweb.org/anthology/W/W09/#2600>.
- Crysmann, Berthold. 2011. A unified account of Hausa genitive constructions. In Philippe de Groote, Markus Egg & Laura Kallmeyer (eds.), *Formal Grammar: 14th International Conference, FG 2009, Bordeaux, France, July 25–26, 2009, revised selected papers* (Lecture Notes in Artificial Intelligence 5591), 102–117. Berlin: Springer Verlag.
- Crysmann, Berthold. 2012. HaG: A computational grammar of Hausa. In Michael R. Marlo, Nikki B. Adams, Christopher R. Green, Michelle Morrison & Tristan M. Purvis (eds.), *Selected proceedings of the 42nd Annual Conference on African Linguistics (ACAL 42)*, 321–337. Somerville, MA: Cascadilla Press. <http://www.lingref.com/cpp/acal/42/paper2780.pdf>.
- Culicover, Peter W. 1999. *Syntactic nuts: Hard cases, syntactic theory, and language acquisition*, vol. 1 (Foundations of Syntax). Oxford: Oxford University Press.
- Culicover, Peter W. & Ray S. Jackendoff. 2005. *Simpler Syntax*. Oxford: Oxford University Press.
- Culy, Christopher. 1985. The complexity of the vocabulary of Bambara. *Linguistics and Philosophy* 8. 345–351.
- Curtiss, Susan. 1977. *Genie: A psycholinguistic study of a modern-day “wild child”*. New York: Academic Press.
- Dąbrowska, Ewa. 2001. From formula to schema: The acquisition of English questions. *Cognitive Linguistics* 11(1–2). 83–102.
- Dąbrowska, Ewa. 2004. *Language, mind and brain: Some psychological and neurological constraints on theories of grammar*. Washington, D.C.: Georgetown University Press.
- Dahl, Östen & Viveka Velupillai. 2013a. The past tense. In ?. <http://wals.info/chapter/66>.
- Dahl, Östen & Viveka Velupillai. 2013b. Perfective/imperfective aspect. In ?. <http://wals.info/chapter/65>.
- Dahllöf, Mats. 2002. Token dependency semantics and the paratactic analysis of intensional constructions. *Journal of Semantics* 19(4). 333–368.
- Dahllöf, Mats. 2003. Two reports on computational syntax and semantics. Reports from Uppsala University (RUUL) 36 Department of Linguistics. <http://stp.ling.uu.se/~matsd/pub/ruul36.pdf>.
- Dalrymple, Mary. 1993. *The syntax of anaphoric binding* (CSLI Lecture Notes 36). Stanford, CA: CSLI Publications.

- Dalrymple, Mary (ed.). 1999. *Semantics and syntax in Lexical Functional Grammar: The Resource Logic approach*. Cambridge, MA: MIT Press.
- Dalrymple, Mary. 2001. *Lexical Functional Grammar* (Syntax and Semantics 34). New York: Academic Press.
- Dalrymple, Mary. 2006. Lexical Functional Grammar. In ? 82–94.
- Dalrymple, Mary, Ronald M. Kaplan & Tracy Holloway King. 2004. Linguistic generalizations over descriptions. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2004 conference*, 199–208. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/9/>.
- Dalrymple, Mary, Ronald M. Kaplan, John T. Maxwell III & Annie Zaenen (eds.). 1995. *Formal issues in Lexical-Functional Grammar* (CSLI Lecture Notes 47). Stanford, CA: CSLI Publications.
- Dalrymple, Mary, John Lamping & Vijay Saraswat. 1993. LFG semantics via constraints. In ? 97–105. DOI:10.3115/976744.976757.
- Dalrymple, Mary, Maria Liakata & Lisa Mackie. 2006. Tokenization and morphological analysis for Malagasy. *Computational Linguistics and Chinese Language Processing* 11(4). 315–332.
- Dalrymple, Mary & Helge Lødrup. 2000. The grammatical functions of complement clauses. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2000 conference*, Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/5/lfg00dalrympl-lodrup.pdf>.
- Davidson, Donald. 1967. The logical form of action sentences. In Nicholas Rescher (ed.), *The logic of decision and action*, 81–95. Pittsburg: Pittsburg University Press.
- Davis, Anthony R. 1996. *Lexical semantics and linking in the hierarchical lexicon*: Stanford University dissertation.
- Davis, Anthony R. & Jean-Pierre Koenig. 2000. Linking as constraints on word classes in a hierarchical lexicon. *Language* 76(1). 56–91.
- De Kuthy, Kordula. 2000. *Discontinuous NPs in German — A case study of the interaction of syntax, semantics and pragmatics*. Saarbrücken: Universität des Saarlandes dissertation.
- De Kuthy, Kordula. 2001. Splitting PPs from NPs. In ? 31–76.
- De Kuthy, Kordula. 2002. *Discontinuous NPs in German* (Studies in Constraint-Based Lexicalism 14). Stanford, CA: CSLI Publications.
- De Kuthy, Kordula, Vanessa Metcalf & Walt Detmar Meurers. 2004. Documentation of the implementation of the Milca English Resource Grammar in the Trale system. Ohio State University, ms.
- De Kuthy, Kordula & Walt Detmar Meurers. 2001. On partial constituent fronting in German. *Journal of Comparative Germanic Linguistics* 3(3). 143–205.
- De Kuthy, Kordula & Walt Detmar Meurers. 2003a. Dealing with optional complements in HPSG-based grammar implementations. In ? 88–96. <http://csli-publications.stanford.edu/HPSG/2003/>.

- De Kuthy, Kordula & Walt Detmar Meurers. 2003b. The secret life of focus exponents, and what it tells us about fronted verbal projections. In ? 97–110. <http://csli-publications.stanford.edu/HPSG/2003/>.
- de Saussure, Ferdinand. 1916a. *Cours de linguistique générale* (Bibliothèque Scientifique Payot). Paris: Payot. Edited by Charles Bally and Albert Sechehaye.
- de Saussure, Ferdinand. 1916b. *Grundfragen der allgemeinen Sprachwissenschaft*. Berlin: Walter de Gruyter & Co. 2nd edition 1967.
- Dehé, Nicole, Ray S. Jackendoff, Andrew McIntyre & Silke Urban (eds.). 2002. *Verb-particle explorations* (Interface Explorations 1). Berlin: Mouton de Gruyter.
- Delmonte, Rodolfo. 1990. Semantic parsing with an LFG-based lexicon and conceptual representations. *Computers and the Humanities* 24(5–6). 461–488.
- Demberg, Vera & Frank Keller. 2008. A psycholinguistically motivated version of TAG. In *Proceedings of the 9th International Workshop on Tree Adjoining Grammars and Related Formalisms TAG+9*, 25–32. Tübingen.
- Demske, Ulrike. 2001. *Merkmale und Relationen: Diachrone Studien zur Nominalphrase des Deutschen* (Studia Linguistica Germanica 56). Berlin: Walter de Gruyter Verlag.
- den Besten, Hans. 1983. On the interaction of root transformations and lexical deletive rules. In Werner Abraham (ed.), *On the formal syntax of the Westgermania: Papers from the 3rd Groningen Grammar Talks, Groningen, January 1981* (Linguistik Aktuell/Linguistics Today 3), 47–131. Amsterdam: John Benjamins Publishing Co.
- den Besten, Hans. 1985. Some remarks on the Ergative Hypothesis. In ? 53–74.
- Deppermann, Arnulf. 2006. Construction Grammar – eine Grammatik für die Interaktion? In Arnulf Deppermann, Reinhard Fiehler & Thomas Spranz-Fogasy (eds.), *Grammatik und Interaktion*, 43–65. Radolfzell: Verlag für Gesprächsforschung.
- Derbyshire, Desmond C. 1979. *Hixkaryana* (Lingua Descriptive Series 1). Amsterdam: North Holland.
- Devlin, Keith. 1992. *Logic and information*. Cambridge: Cambridge University Press.
- Dhonnchadha, E. Uí & Josef van Genabith. 2006. A part-of-speech tagger for Irish using finite-state morphology and Constraint Grammar disambiguation. In *Proceedings of Irec'06*, 2241–2244.
- Diesing, Molly. 1992. *Indefinites*. Cambridge, MA/London, England: MIT Press.
- Dione, Cheikh Mouhamadou Bamba. 2013. Handling Wolof Clitics in LFG. In Christine Meklenborg Salvesen & Hans Petter Helland (eds.), *Challenging clitics* (Linguistik Aktuell/Linguistics Today 206), 87–118. Amsterdam: John Benjamins Publishing Co.
- Dione, Cheikh Mouhamadou Bamba. 2014. An LFG approach to Wolof cleft constructions. In ? 157–176.
- Dipper, Stefanie. 2003. *Implementing and documenting large-scale grammars – German LFG*: IMS, University of Stuttgart dissertation. Arbeitspapiere des Instituts für Maschinelle Sprachverarbeitung (AIMS), Volume 9, Number 1.
- Donati, C. 2006. On *wh*-head-movement. In Lisa Lai-Shen Cheng & Norbert Corver (eds.), *Wh-movement: Moving on* (Current Studies in Linguistics 42), 21–46. Cambridge, MA: MIT Press.

- Donohue, Cathryn & Ivan A. Sag. 1999. Domains in Warlpiri. In *Sixth International Conference on HPSG—Abstracts. 04–06 August 1999*, 101–106. Edinburgh.
- Doran, Christine, Beth Ann Hockey, Anoop Sarkar, Bangalore Srinivas & Fei Xia. 2000. Evolution of the XTAG system. In ? 371–403.
- Dörre, Jochen & Michael Dorna. 1993. CUF: A formalism for linguistic knowledge representation. DYANA 2 deliverable R.1.2A IMS Stuttgart, Germany.
- Dörre, Jochen & Roland Seiffert. 1991. A formalism for natural language — STUF. In ? 29–38.
- Dowty, David. 1997. Non-constituent coordination, wrapping, and Multimodal Categorical Grammars: Syntactic form as logical form. In Maria Luisa Dalla Chiara, Kees Doets, Daniele Mundici & Johan Van Benthem (eds.), *Structures and norms in science* (Synthese Library 260), 347–368. Springer.
- Dowty, David R. 1978. Governed transformations as lexical rules in a Montague Grammar. *Linguistic Inquiry* 9(3). 393–426.
- Dowty, David R. 1979. *Word meaning and Montague Grammar* (Synthese Language Library 7). Dordrecht: D. Reidel Publishing Company.
- Dowty, David R. 1988. Type raising, functional composition, and nonconstituent coordination. In ? 153–198.
- Dowty, David R. 1989. On the semantic content of the notion ‘thematic role’. In Gennaro Chierchia, Barbara H. Partee & Raymond Turner (eds.), *Properties, types and meaning*, vol. 2 (Studies in Linguistics and Philosophy), 69–130. Dordrecht: Kluwer Academic Publishers.
- Dowty, David R. 1991. Thematic proto-roles and argument selection. *Language* 67(3). 547–619.
- Dowty, David R. 2003. The dual analysis of adjuncts and complements in Categorical Grammar. In ? 33–66.
- Dowty, David R., Lauri Karttunen & Arnold M. Zwicky (eds.). 1985. *Natural language processing*. Cambridge, UK: Cambridge University Press.
- Dras, Mark, François Lareau, Benjamin Börschinger, Robert Dale, Yasaman Motazedi, Owen Rambow, Myfany Turpin & Morgan Ulinski. 2012. Complex predicates in Arernte. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2012 conference*, 177–197. Stanford, CA: CSLI Publications.
- Drellishak, Scott. 2009. *Widespread but not universal: Improving the typological coverage of the Grammar Matrix*: University of Washington Doctoral dissertation.
- Drosdowski, Günther. 1984. *Duden: Grammatik der deutschen Gegenwartssprache*, vol. 4. Mannheim, Wien, Zürich: Dudenverlag 4th edn.
- Drosdowski, Günther. 1995. *Duden: Die Grammatik*, vol. 4. Mannheim, Leipzig, Wien, Zürich: Dudenverlag 5th edn.
- Dryer, Matthew S. 1992. The Greenbergian word order correlations. *Language* 68(1). 81–138.
- Dryer, Matthew S. 1997. Are grammatical relations universal? In Joan Bybee, John Haiman & Sandra Thompson (eds.), *Essays on language function and language type: Dedicated to T. Givón*, 115–143. Amsterdam: John Benjamins Publishing Co.

## Bibliography

- Dryer, Matthew S. 2013a. Order of adposition and noun phrase. In ?. <http://wals.info/chapter/85>.
- Dryer, Matthew S. 2013b. Order of object and verb. In ?. <http://wals.info/chapter/83>.
- Dryer, Matthew S. 2013c. Order of subject, object and verb. In ?. <http://wals.info/chapter/81>.
- Dryer, Matthew S. & Martin Haspelmath (eds.). 2013. *The world atlas of language structures online*. Leipzig: Max Planck Institute for Evolutionary Anthropology. <http://wals.info/>.
- Dürscheid, Christa. 1989. *Zur Vorfeldbesetzung in deutschen Verbzweit-Strukturen* (FOKUS 1). Trier: Wissenschaftlicher Verlag.
- Dyvik, Helge, Paul Meurer & Victoria Rosén. 2005. LFG, Minimal Recursion Semantics and translation. Paper presented at the LFG conference 2005.
- Egg, Markus. 1999. Derivation and resolution of ambiguities in *wieder*-sentences. In Paul J. E. Dekker (ed.), *Proceedings of the 12th Amsterdam Colloquium*, 109–114.
- Eisele, Andreas & Jochen Dorre. 1986. A Lexical Functional Grammar system in Prolog. In ? 551–553.
- Eisenberg, Peter. 1992. Platos Problem und die Lernbarkeit der Syntax. In ? 371–378.
- Eisenberg, Peter. 1994a. German. In Ekkehard König & Johan van der Auwera (eds.), *The Germanic languages* (Routledge Language Family Descriptions), 349–387. London / New York: Routledge.
- Eisenberg, Peter. 1994b. *Grundriß der deutschen Grammatik*. Stuttgart, Weimar: Verlag J. B. Metzler 3rd edn.
- Eisenberg, Peter. 2004. *Grundriß der deutschen Grammatik*, vol. 2. Der Satz. Stuttgart, Weimar: Verlag J. B. Metzler 2nd edn.
- Eisenberg, Peter, Jörg Peters, Peter Gallmann, Cathrine Fabricius-Hansen, Damaris Nübling, Irmhild Barz, Thomas A. Fritz & Reinhard Fiehler. 2005. *Duden: Die Grammatik*, vol. 4. Mannheim, Leipzig, Wien, Zürich: Dudenverlag 7th edn.
- Ellefson, Michelle R. & Morten Christiansen. 2000. Subjacency constraints without Universal Grammar: Evidence from artificial language learning and connectionist modeling. In *Proceedings of the 22nd Annual Conference of the Cognitive Science Society*, 645–650. Mahwah, NJ: Lawrence Erlbaum Associates.
- Elman, Jeffrey L. 1993. Learning and development in neural networks: The importance of starting small. *Cognition* 48(1). 71–99.
- Elman, Jeffrey L., Elizabeth A. Bates, Mark H. Johnson, Annette Karmiloff-Smith, Domenico Parisi & Kim Plunkett. 1996. *Rethinking innateness: A connectionist perspective on development*. Cambridge, MA: Bradford Books/MIT Press.
- Embick, David. 2004. On the structure of resultative participles in English. *Linguistic Inquiry* 35(3). 355–392.
- Emirkanian, Louisette, Lyne Da Sylva & Lorne H. Bouchard. 1996. The implementation of a computational grammar of French using the Grammar Development Environment. In ? 1024–1027.
- Engdahl, Elisabet & Enric Vallduví. 1996. Information packaging in HPSG. In Claire Grover & Enric Vallduví (eds.), *Edinburgh Working Papers in Cognitive Science*, vol. 12:

- Studies in HPSG*, chap. 1, 1–32. Scotland: Centre for Cognitive Science, University of Edinburgh. <ftp://ftp.cogsci.ed.ac.uk/pub/CCS-WPs/wp-12.ps.gz>.
- Engel, Ulrich. 1970. Regeln zur Wortstellung. Forschungsberichte des Instituts für deutsche Sprache 5 Institut für deutsche Sprache Mannheim.
- Engel, Ulrich. 1977. *Syntax der deutschen Gegenwartssprache*, vol. 22 (Grundlagen der Germanistik). Berlin: Erich Schmidt Verlag.
- Engel, Ulrich. 1996. Tesnière mißverstanden. In Gertrud Gréciano & Helmut Schumacher (eds.), *Lucien Tesnière – Syntaxe Structurale et Opérations Mentales. Akten des deutsch-französischen Kolloquiums anlässlich der 100. Wiederkehr seines Geburtstages. Strasbourg 1993* (Linguistische Arbeiten 348), 53–61. Tübingen: Max Niemeyer Verlag.
- Engel, Ulrich. 2014. Die dependenzielle Verbgrammatik (DVG). In ? 43–62.
- Engelberg, Stefan, Anke Holler & Kristel Proost (eds.). 2011. *Sprachliches Wissen zwischen Lexikon und Grammatik* (Institut für Deutsche Sprache, Jahrbuch 2010). Berlin: de Gruyter.
- Erbach, Gregor. 1995. ProFIT: Prolog with features, inheritance and templates. In ? 180–187.
- Ernst, Thomas. 1992. The phrase structure of English negation. *The Linguistic Review* 9(2), 109–144.
- Eroms, Hans-Werner. 1985. Eine reine Dependenzgrammatik für das Deutsche. *Deutsche Sprache* 13, 306–326.
- Eroms, Hans-Werner. 1987. Passiv und Passivfunktionen im Rahmen einer Dependenzgrammatik. In Centre de Recherche en Linguistique Germanique (Nice) (ed.), *Das Passiv im Deutschen* (Linguistische Arbeiten 183), 73–95. Tübingen: Max Niemeyer Verlag.
- Eroms, Hans-Werner. 2000. *Syntax der deutschen Sprache* (de Gruyter Studienbuch). Berlin: Walter de Gruyter Verlag.
- Eroms, Hans-Werner & Hans Jürgen Heringer. 2003. Dependenz und lineare Ordnung. In ? 247–263.
- Eroms, Hans-Werner, Gerhard Stickel & Gisela Zifonun (eds.). 1997. *Grammatik der deutschen Sprache*, vol. 7 (Schriften des Instituts für deutsche Sprache). Berlin: Walter de Gruyter.
- Erteschik-Shir, Nomi. 1973. *On the nature of island constraints*. Cambridge, MA: MIT dissertation.
- Erteschik-Shir, Nomi. 1981. More on extractability from quasi-NPs. *Linguistic Inquiry* 12(4), 665–670.
- Erteschik-Shir, Nomi & Shalom Lappin. 1979. Dominance and the functional explanation of island phenomena. *Theoretical Linguistics* 6(1–3), 41–86.
- Estigarribia, Bruno. 2009. Facilitation by variation: Right-to-left learning of English yes/no questions. *Cognitive Science* 34(1), 68–93.
- Evans, Nicholas & Stephen C. Levinson. 2009a. The myth of language universals: Language diversity and its importance for cognitive science. *The Behavioral and Brain Sciences* 32(5), 429–448.



- Evans, Nicholas & Stephen C. Levinson. 2009b. With diversity in mind: Freeing the language sciences from Universal Grammar. *The Behavioral and Brain Sciences* 32(5). 472–492.
- Evans, Roger. 1985. ProGram: A development tool for GPSG grammars. *Linguistics* 23(2). 213–244.
- Everett, Daniel L. 2005. Cultural constraints on grammar and cognition in Pirahã. *Current Anthropology* 46(4). 621–646.
- Everett, Daniel L. 2009. Pirahã culture and grammar: A response to some criticisms. *Language* 85(2). 405–442.
- Evers, Arnold. 1975. *The transformational cycle in Dutch and German*: University of Utrecht dissertation.
- Faaß, Gertrud. 2010. *A morphosyntactic description of Northern Sotho as a basis for an automated translation from Northern Sotho into English*. Pretoria, South Africa: University of Pretoria dissertation. <http://hdl.handle.net/2263/28569>.
- Fabregas, Antonio, Tom Stroik & Michael Putnam. 2016. Is simplest merge too simple? Ms. Penn State University.
- Falk, Yehuda N. 1984. The English auxiliary system: A Lexical-Functional analysis. *Language* 60(3). 483–509.
- Fan, Zhenzhen, Sanghoun Song & Francis Bond. 2015. An HPSG-based shared-grammar for the Chinese languages: ZHONG []. In Emily M. Bender, Lori Levin, Stefan Müller, Yannick Parmentier & Aarne Ranta (eds.), *Proceedings of the Grammar Engineering Across Frameworks (GEAF) Workshop*, 17–24. The Association for Computational Linguistics.
- Fang, Ji & Tracy Holloway King. 2007. An LFG Chinese grammar for machine use. In ? 144–160. <http://csli-publications.stanford.edu/GEAF/2007/>.
- Fanselow, Gisbert. 1981. *Zur Syntax und Semantik der Nominalkomposition* (Linguistische Arbeiten 107). Tübingen: Max Niemeyer Verlag.
- Fanselow, Gisbert. 1987. *Konfigurationsalität* (Studien zur deutschen Grammatik 29). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Fanselow, Gisbert. 1988. Aufspaltung von NPn und das Problem der ‚freien‘ Wortstellung. *Linguistische Berichte* 114. 91–113.
- Fanselow, Gisbert. 1990. Scrambling as NP-movement. In ? 113–140.
- Fanselow, Gisbert. 1992a. „Ergative“ Verben und die Struktur des deutschen Mittelfelds. In Ludger Hoffmann (ed.), *Deutsche Syntax: Ansichten und Aussichten* (Institut für deutsche Sprache, Jahrbuch 1991), 276–303. Berlin: de Gruyter.
- Fanselow, Gisbert. 1992b. Zur biologischen Autonomie der Grammatik. In ? 335–356.
- Fanselow, Gisbert. 1993. Die Rückkehr der Basisgenerierer. *Groninger Arbeiten zur Germanistischen Linguistik* 36. 1–74.
- Fanselow, Gisbert. 2000a. Does constituent length predict German word order in the Middle Field? In Josef Bayer & Christine Römer (eds.), *Von der Philologie zur Grammatiktheorie: Peter Suchsland zum 65. Geburtstag*, 63–77. Tübingen: Max Niemeyer Verlag.

- Fanselow, Gisbert. 2000b. Optimal exceptions. In Barbara Stiebels & Dieter Wunderlich (eds.), *The lexicon in focus* (studia grammatica 45), 173–209. Berlin: Akademie Verlag.
- Fanselow, Gisbert. 2001. Features,  $\theta$ -roles, and free constituent order. *Linguistic Inquiry* 32(3). 405–437.
- Fanselow, Gisbert. 2002. Against remnant VP-movement. In Artemis Alexiadou, Elena Anagnostopoulou, Sjef Barbiers & Hans-Martin Gärtner (eds.), *Dimensions of movement: From features to remnants* (Linguistik Aktuell/Linguistics Today 48), 91–127. Amsterdam: John Benjamins Publishing Co.
- Fanselow, Gisbert. 2003a. Free constituent order: A Minimalist interface account. *Folia Linguistica* 37(1–2). 191–231.
- Fanselow, Gisbert. 2003b. Münchhausen-style head movement and the analysis of verb second. In Anoop Mahajan (ed.), *Proceedings of the workshop on head movement* (UCLA Working Papers in Linguistics 10), Los Angeles: UCLA, Linguistics Department.
- Fanselow, Gisbert. 2003c. Zur Generierung der Abfolge der Satzglieder im Deutschen. *Neue Beiträge zur Germanistik* 112. 3–47.
- Fanselow, Gisbert. 2004a. Cyclic phonology-syntax-interaction: PPT Movement in German (and other languages). In Shinichiro Ishihara, Michaela Schmitz & Anne Schwarz (eds.), *Interdisciplinary studies on information structure* (Working Papers of the SFB 632 1), 1–42. Potsdam: Universitätsverlag.
- Fanselow, Gisbert. 2004b. Fakten, Fakten, Fakten! *Linguistische Berichte* 200. 481–493.
- Fanselow, Gisbert. 2004c. Münchhausen-style head movement and the analysis of verb second. In Ralf Vogel (ed.), *Three papers on German verb movement* (Linguistics in Potsdam 22), 9–49. Universität Potsdam.
- Fanselow, Gisbert. 2006. On pure syntax (uncontaminated by information structure). In Patrick Brandt & Eric Fuss (eds.), *Form, structure and grammar: A festschrift presented to Günther Grewendorf on occasion of his 60th birthday* (Studia grammatica 63), 137–157. Berlin: Akademie Verlag.
- Fanselow, Gisbert. 2009. Die (generative) Syntax in den Zeiten der Empiriediskussion. *Zeitschrift für Sprachwissenschaft* 28(1). 133–139.
- Fanselow, Gisbert & Sascha W. Felix. 1987. *Sprachtheorie 2. Die Rektions- und Bindungstheorie* (UTB für Wissenschaft: Uni-Taschenbücher 1442). Tübingen: A. Francke Verlag GmbH.
- Fanselow, Gisbert & Sascha W. Felix (eds.). 1990. *Strukturen und Merkmale syntaktischer Kategorien* (Studien zur deutschen Grammatik 39). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Fanselow, Gisbert, Matthias Schlesewsky, Damir Cavar & Reinhold Kliegl. 1999. Optimal parsing, syntactic parsing preferences, and Optimality Theory. Rutgers Optimality Archive (ROA) 367 Universität Potsdam. <http://roa.rutgers.edu/view.php3?roa=367>.
- Feldhaus, Anke. 1997. Eine HPSG-Analyse ausgewählter Phänomene des deutschen w-Fragesatzes. Working Papers of the Institute for Logic and Linguistics 27 Institute for Logic and Linguistics IBM Scientific Center Heidelberg.
- Feldman, Jerome. 1972. Some decidability results on grammatical inference and complexity. *Information and Control* 20(3). 244–262.

- Fillmore, Charles J. 1968. The case for case. In Emmon Bach & Robert T. Harms (eds.), *Universals of linguistic theory*, 1–88. New York: Holt, Rinehart, and Winston.
- Fillmore, Charles J. 1971. Plädoyer für Kasus. In Werner Abraham (ed.), *Kasustheorie* (Schwerpunkte Linguistik und Kommunikationswissenschaft 2), 1–118. Frankfurt/Main: Athenäum.
- Fillmore, Charles J. 1988. The mechanisms of “Construction Grammar”. In Shelley Axmaker, Annie Jaisser & Helen Singmaster (eds.), *Proceedings of the 14th Annual Meeting of the Berkeley Linguistics Society*, 35–55. Berkeley, CA: Berkeley Linguistics Society.
- Fillmore, Charles J. 1999. Inversion and Constructional inheritance. In ? 113–128.
- Fillmore, Charles J., Paul Kay & Mary Catherine O’Connor. 1988. Regularity and idiomatcity in grammatical constructions: The case of *let alone*. *Language* 64(3). 501–538.
- Fillmore, Charles J., Russell R. Lee-Goldmann & Russell Rhomieux. 2012. The FrameNet constructicon. In ? 309–372.
- Fischer, Ingrid & Martina Keil. 1996. Parsing decomposable idioms. In ? 388–393.
- Fischer, Kerstin & Anatol Stefanowitsch (eds.). 2006. *Konstruktionsgrammatik: Von der Anwendung zur Theorie* (Stauffenburg Linguistik 40). Tübingen: Stauffenburg Verlag.
- Fisher, Simon E. & Gary F. Marcus. 2005. The eloquent ape: Genes, brains and the evolution of language. *Nature Reviews Genetics* 7(1). 9–20.
- Fisher, Simon E., Faraneh Vargha-Khadem, Kate E. Watkins, Anthony P. Monaco & Marcus E. Pembrey. 1998. Localisation of a gene implicated in a severe speech and language disorder. *Nature Genetics* 18(2). 168–170.
- Fitch, W. Tecumseh. 2010. Three meanings of “recursion”: Key distinctions for biolinguistics. In Richard K. Larson, Viviane Déprez & Hiroko Yamakido (eds.), *The evolution of human language: Biolinguistic perspectives* (Approaches to the Evolution of Language 2), 73–90. Cambridge, UK: Cambridge University Press.
- Fitch, W. Tecumseh, Marc D. Hauser & Noam Chomsky. 2005. The evolution of the language faculty: Clarifications and implications. *Cognition* 97(2). 179–210.
- Flickinger, Daniel P. 1983. Lexical heads and phrasal gaps. In *Proceedings of the West Coast Conference on Formal Linguistics*, vol. 2, Stanford University Linguistics Dept.
- Flickinger, Daniel P. 1987. *Lexical rules in the hierarchical lexicon*: Stanford University dissertation.
- Flickinger, Daniel P. 2000. On building a more efficient grammar by exploiting types. *Natural Language Engineering* 6(1). 15–28.
- Flickinger, Daniel P. 2008. Transparent heads. In ? 87–94. <http://csli-publications.stanford.edu/HPSG/2008/abstr-flickinger.shtml>.
- Flickinger, Daniel P. & Emily M. Bender. 2003. Compositional semantics in a multilingual grammar resource. In ? 33–42.
- Flickinger, Daniel P., Ann Copestake & Ivan A. Sag. 2000. HPSG analysis of English. In ? 254–263.
- Flickinger, Daniel P., Carl J. Pollard & Thomas Wasow. 1985. Structure-sharing in lexical representation. In William C. Mann (ed.), *Proceedings of the Twenty-Third Annual Meet-*

- ing of the Association for Computational Linguistics, 262–267. Chicago, IL: Association for Computational Linguistics.
- Fodor, Janet Dean. 1998a. Parsing to learn. *Journal of Psycholinguistic Research* 27(3). 339–374.
- Fodor, Janet Dean. 1998b. Unambiguous triggers. *Linguistic Inquiry* 29(1). 1–36.
- Fodor, Janet Dean. 2001. Parameters and the periphery: Reflections on *syntactic nuts*. *Journal of Linguistics* 37. 367–392.
- Fodor, Jerry A., Thomas G. Bever & Merrill F. Garrett. 1974. *The psychology of language: An introduction to psycholinguistics and Generative Grammar*. New York: McGraw-Hill Book Co.
- Fodor, Jerry A. & Jerrold J. Katz (eds.). 1964. *The structure of language*. Englewood Cliffs, NJ: Prentice-Hall.
- Fokkens, Antske. 2011. Metagrammar engineering: Towards systematic exploration of implemented grammars. In *Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies*, 1066–1076. Portland, Oregon, USA: Association for Computational Linguistics. <http://www.aclweb.org/anthology/P11-1107>.
- Fokkens, Antske, Laurie Poulson & Emily M. Bender. 2009. Inflectional morphology in Turkish VP coordination. In ? 110–130.
- Fong, Sandiway. 1991. *Computational properties of principle-based grammatical theories*: MIT Artificial Intelligence Lab dissertation.
- Fong, Sandiway. 2014. Unification and efficient computation in the Minimalist Program. In L. Francis & L. Laurent (eds.), *Language and recursion*, 129–138. Berlin: Springer Verlag.
- Fong, Sandiway & Jason Ginsburg. 2012. Computation with doubling constituents: Pronouns and antecedents in Phase Theory. In Anna Maria Di Sciullo (ed.), *Towards a Biolinguistic understanding of grammar: Essays on interfaces* (Linguistik Aktuell/Linguistics Today 194), 303–338. Amsterdam: John Benjamins Publishing Co.
- Fordham, Andrew & Matthew Walter Crocker. 1994. Parsing with principles and probabilities. In Judith L. Klavans Philip Resnik (ed.), *The balancing act: Combining symbolic and statistical approaches to language*, Las Cruces, New Mexico, USA: Association for Computational Linguistics.
- Forst, Martin. 2006. COMP in (parallel) grammar writing. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2006 conference*, Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/11/lfg06forst.pdf>.
- Forst, Martin & Christian Rohrer. 2009. Problems of German VP coordination. In ? 297–316. <http://csli-publications.stanford.edu/LFG/14/>.
- Fortmann, Christian. 1996. *Konstituentenbewegung in der DP-Struktur: Zur funktionalen Analyse der Nominalphrase im Deutschen* (Linguistische Arbeiten 347). Tübingen: Max Niemeyer Verlag.
- Fourquet, Jean. 1957. Review of: Heinz Anstock: *Deutsche Syntax – Lehr- und Übungsbuch*. *Wirkendes Wort* 8. 120–122.

- Fourquet, Jean. 1970. *Prolegomena zu einer deutschen Grammatik* (Sprache der Gegenwart – Schriften des Instituts für deutsche Sprache in Mannheim 7). Düsseldorf: Pädagogischer Verlag Schwann.
- Fouvry, Frederik. 2003. Lexicon acquisition with a large-coverage unification-based grammar. In *Proceedings of EACL 03, 10th Conference of the European Chapter of the Association for Computational Linguistics, research notes and demos, April 12–17, 2003, Budapest, Hungary*, 87–90.
- Fraj, Fériel Ben, Chiraz Zribi & Mohamed Ben Ahmed. 2008. ArabTAG: A Tree Adjoining Grammar for Arabic syntactic structures. In *Proceedings of the International Arab Conference on Information Technology*, Sfax, Tunisia.
- Francis, Elaine J. & Laura A. Michaelis (eds.). 2003. *Mismatch: Form-function incongruity and the architecture of grammar* (CSLI Lecture Notes 163). Stanford, CA: CSLI Publications.
- Frank, Anette. 1994. Verb second by lexical rule or by underspecification. *Arbeitspapiere des SFB 340 No. 43 IBM Deutschland GmbH Heidelberg*. <ftp://ftp.ims.uni-stuttgart.de/pub/papers/anette/v2-usp.ps.gz>.
- Frank, Anette. 1996. Eine LFG-Grammatik des Französischen. In ? 97–244.
- Frank, Anette. 2006. (Discourse-) functional analysis of asymmetric coordination. In Miriam Butt, Mary Dalrymple & Tracy Holloway King (eds.), *Intelligent linguistic architectures: Variations on themes by Ronald M. Kaplan*, 259–285. Stanford, CA: CSLI Publications.
- Frank, Anette & Uwe Reyle. 1995. Principle based semantics for HPSG. In ? 9–16.
- Frank, Anette & Annie Zaenen. 2002. Tense in LFG: Syntax and morphology. In Hans Kamp & Uwe Reyle (eds.), *How we say when it happens: Contributions to the theory of temporal reference in natural language*, 17–52. Tübingen: Max Niemeyer Verlag. Reprint as: ?.
- Frank, Robert. 2002. *Phrase structure composition and syntactic dependencies* (Current Studies in Linguistics 38). Cambridge, MA/London: MIT Press.
- Franks, Steven. 1995. *Parameters in Slavic morphosyntax*. New York, Oxford: Oxford University Press.
- Frazier, Lyn. 1985. Syntactic complexity. In ? 129–189.
- Frazier, Lyn & Charles Clifton. 1996. *Construal*. Cambridge, MA: MIT Press.
- Freidin, Robert. 1975. The analysis of passives. *Language* 51(2). 384–405.
- Freidin, Robert. 1997. Review article: The Minimalist Program. *Language* 73(3). 571–582.
- Freidin, Robert. 2009. A note on methodology in linguistics. *The Behavioral and Brain Sciences* 32(5). 454–455.
- Freudenthal, Daniel, Julian M. Pine, Javier Aguado-Orea & Fernand Gobet. 2007. Modeling the developmental patterning of finiteness marking in English, Dutch, German, and Spanish using MOSAIC. *Cognitive Science* 31(2). 311–341.
- Freudenthal, Daniel, Julian M. Pine & Fernand Gobet. 2006. Modeling the development of children's use of optional infinitives in Dutch and English using MOSAIC. *Cognitive Science* 30(2). 277–310.

- Freudenthal, Daniel, Julian M. Pine & Fernand Gobet. 2009. Simulating the referential properties of Dutch, German, and English root infinitives in MOSAIC. *Language Learning and Development* 5(1). 1–29.
- Frey, Werner. 1993. *Syntaktische Bedingungen für die semantische Interpretation: Über Bindung, implizite Argumente und Skopus* (studia grammatica 35). Berlin: Akademie Verlag.
- Frey, Werner. 2000. Über die syntaktische Position der Satztopiks im Deutschen. In Ewald Lang, Marzena Rochon, Kerstin Schwabe & Oliver Teuber (eds.), *Issues on topics* (ZAS Papers in Linguistics 20), 137–172. Berlin: ZAS, Humboldt-Universität zu Berlin.
- Frey, Werner. 2001. About the whereabouts of indefinites. *Theoretical Linguistics* 27(2/3). 137–161. DOI:10.1515/thli.2001.27.2-3.137. Special Issue: NP Interpretation and Information Structure, Edited by Klaus von Heusinger and Kerstin Schwabe.
- Frey, Werner. 2004a. The grammar-pragmatics interface and the German prefield. *Forschungsprogramm Sprache und Pragmatik* 52 Germanistisches Institut der Universität Lund.
- Frey, Werner. 2004b. A medial topic position for German. *Linguistische Berichte* 198. 153–190.
- Frey, Werner. 2005. Pragmatic properties of certain German and English left peripheral constructions. *Linguistics* 43(1). 89–129.
- Frey, Werner & Hans-Martin Gärtner. 2002. On the treatment of scrambling and adjunction in Minimalist Grammars. In ? 41–52.
- Frey, Werner & Uwe Reyle. 1983a. Lexical Functional Grammar und Diskursrepräsentationstheorie als Grundlagen eines sprachverarbeitenden Systems. *Linguistische Berichte* 88. 79–100.
- Frey, Werner & Uwe Reyle. 1983b. A Prolog implementation of Lexical Functional Grammar as a base for a natural language processing system. In Antonio Zampolli (ed.), *First Conference of the European Chapter of the Association for Computational Linguistics: Proceedings of the conference*, 52–57. Pisa, Italy: Association for Computational Linguistics. <http://aclweb.org/anthology/E/E83/>.
- Fried, Mirjam. 2013. Principles of constructional change. In ? 419–437.
- Fried, Mirjam. 2015. Construction Grammar. In ? 974–1003.
- Friederici, Angela D. 2009. Pathways to language: Fiber tracts in the human brain. *Trends in Cognitive Sciences* 13(4). 175–181.
- Friedman, Joyce. 1969. Applications of a computer system for Transformational Grammar. In Research Group for Quantitative Linguistics (ed.), *Proceedings of COLING 69*, 1–27.
- Friedman, Joyce, Thomas H. Brecht, Robert W. Doran, Bary W. Pollack & Theodore S. Martner. 1971. *A computer model of Transformational Grammar* (Mathematical Linguistics and Automatic Language Processing 9). New York: Elsevier.
- Fries, Norbert. 1988. Über das Null-Topik im Deutschen. *Forschungsprogramm Sprache und Pragmatik* 3 Germanistisches Institut der Universität Lund.

- Fukui, Naoki & Margaret Speas. 1986. Specifiers and projection. In N. Fukui, T. R. Rapoport & E. Sagey (eds.), *Papers in theoretical linguistics* (MIT Working Papers 8), 128–172. Cambridge, MA: MIT.
- Gaifman, Haim. 1965. Dependency systems and phrase-structure systems. *Information and Control* 8. 304–397.
- Gallmann, Peter. 2003. Grundlagen der deutschen Grammatik. Lecture notes Friedrich-Schiller-Universität Jena. <http://www.syntax-theorie.de>.
- Gardner, R. Allen. 1957. Probability-learning with two and three choices. *The American Journal of Psychology* 70(2). 174–185.
- Gärtner, Hans-Martin & Jens Michaelis. 2007. Some remarks on locality conditions and Minimalist Grammars. In ? 161–195.
- Gärtner, Hans-Martin & Markus Steinbach. 1997. Anmerkungen zur Vorfeldphobie pronominaler Elemente. In Franz-Josef d’Avis & Uli Lutz (eds.), *Zur Satzstruktur im Deutschen* (Arbeitspapiere des SFB 340 No. 90), 1–30. Tübingen: Eberhard-Karls-Universität Tübingen.
- Gazdar, Gerald. 1981a. On syntactic categories. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences* 295(1077). 267–283.
- Gazdar, Gerald. 1981b. Unbounded dependencies and coordinate structure. *Linguistic Inquiry* 12. 155–184.
- Gazdar, Gerald, Ewan Klein, Geoffrey K. Pullum & Ivan A. Sag. 1985. *Generalized Phrase Structure Grammar*. Cambridge, MA: Harvard University Press.
- Gazdar, Gerald, Geoffrey K. Pullum, Bob Carpenter, Ewan Klein, Thomas E. Hukari & Robert D. Levine. 1988. Category structures. *Computational Linguistics* 14(1). 1–19.
- Geach, Peter Thomas. 1970. A program for syntax. *Synthese* 22. 3–17.
- Geißler, Stefan & Tibor Kiss. 1994. Erläuterungen zur Umsetzung einer HPSG im Basis-formalismus STUF III. Tech. Rep. 19 IBM Informationssysteme GmbH – Institut für Logik und Linguistik (Verbundvorhaben Verbmobil) Heidelberg.
- Gerdes, Kim. 2002a. DTAG? In *Proceedings of the Sixth International Workshop on Tree Adjoining Grammar and Related Frameworks (TAG+6)*, 242–251. Università di Venezia.
- Gerdes, Kim. 2002b. *Topologie et grammaires formelles de l’allemand*: Ecole doctorale Science du langage, UFR de linguistique, Université Paris 7 dissertation.
- Gerdes, Kim & Sylvain Kahane. 2001. Word order in German: A formal Dependency Grammar using a topological hierarchy. In *Proceedings of the 39th Annual Meeting on Association for Computational Linguistics*, 220–227. Stroudsburg, PA, USA: Association for Computational Linguistics. DOI:10.3115/1073012.1073041.
- Gerken, LouAnn. 1991. The metrical basis for children’s subjectless sentences. *Journal of Memory and Language* 30. 431–451.
- Gibson, Edward. 1998. Linguistic complexity: Locality of syntactic dependencies. *Cognition* 68(1). 1–76.
- Gibson, Edward & James Thomas. 1999. Memory limitations and structural forgetting: The perception of complex ungrammatical sentences as grammatical. *Language and Cognitive Processes* 14(3). 225–248.
- Gibson, Edward & Kenneth Wexler. 1994. Triggers. *Linguistic Inquiry* 25(3). 407–454.

- Ginzburg, Jonathan & Ivan A. Sag. 2000. *Interrogative investigations: The form, meaning, and use of English interrogatives* (CSLI Lecture Notes 123). Stanford, CA: CSLI Publications.
- Gold, Mark E. 1967. Language identification in the limit. *Information and Control* 10(5). 447–474.
- Goldberg, Adele E. 1995. *Constructions: A Construction Grammar approach to argument structure* (Cognitive Theory of Language and Culture). Chicago/London: The University of Chicago Press.
- Goldberg, Adele E. 2003a. Constructions: A new theoretical approach to language. *Trends in Cognitive Sciences* 7(5). 219–224.
- Goldberg, Adele E. 2003b. Words by default: The Persian Complex Predicate Construction. In ? 117–146.
- Goldberg, Adele E. 2006. *Constructions at work: The nature of generalization in language* (Oxford Linguistics). Oxford, New York: Oxford University Press.
- Goldberg, Adele E. 2009. Constructions work. [response]. *Cognitive Linguistics* 20(1). 201–224.
- Goldberg, Adele E. 2013a. Argument structure Constructions vs. lexical rules or derivational verb templates. *Mind and Language* 28(4). 435–465.
- Goldberg, Adele E. 2013b. Explanation and Constructions: Response to Adger. *Mind and Language* 28(4). 479–491.
- Goldberg, Adele E. 2014. Fitting a slim dime between the verb template and argument structure construction approaches. *Theoretical Linguistics* 40(1–2). 113–135.
- Goldberg, Adele E., Devin Casenhiser & Nitya Sethuraman. 2004. Learning argument structure generalizations. *Cognitive Linguistics* 15(3). 289–316.
- Goldberg, Adele E. & Ray S. Jackendoff. 2004. The English resultative as a family of Constructions. *Language* 80(3). 532–568.
- Gopnik, Myrna & Martha B. Cargo. 1991. Familial aggregation of a developmental language disorder. *Cognition* 39(1). 1–50.
- Gordon, Peter. 1986. Level ordering in lexical development. *Cognition* 21(2). 73–93.
- Gosch, Angela, Gabriele Ståding & Rainer Pankau. 1994. Linguistic abilities in children with Williams-Beuren Syndrome. *American Journal of Medical Genetics* 52(3). 291–296.
- Götz, Thilo, Walt Detmar Meurers & Dale Gerdemann. 1997. The ConTroll manual: (ConTroll v.1.0 beta, XTroll v.5.0 beta). User's manual Seminar für Sprachwissenschaft Universität Tübingen. <http://www.sfs.uni-tuebingen.de/control/code.html>.
- Grebe, Paul & Helmut Gipper. 1966. *Duden: Grammatik der deutschen Gegenwartssprache*, vol. 4. Mannheim, Wien, Zürich: Dudenverlag 2nd edn.
- Green, Georgia M. 2011. Modelling grammar growth: Universal Grammar without innate principles or parameters. In ? 378–403.
- Grewendorf, Günther. 1983. Reflexivierungen in deutschen A.c.I.-Konstruktionen – kein transformationsgrammatisches Dilemma mehr. *Groninger Arbeiten zur Germanistischen Linguistik* 23. 120–196.
- Grewendorf, Günther. 1985. Anaphern bei Objekt-Koreferenz im Deutschen: Ein Problem für die Rektions-Bindungs-Theorie. In ? 137–171.



- Grewendorf, Günther. 1987. Kohärenz und Restrukturierung: Zu verbalen Komplexen im Deutschen. In Brigitte Asbach-Schnitker & Johannes Roggenhofer (eds.), *Neuere Forschungen zur Wortbildung und Histographie: Festgabe für Herbert E. Brekle zum 50. Geburtstag* (Tübinger Beiträge zur Linguistik 284), 123–144. Tübingen: Gunter Narr Verlag.
- Grewendorf, Günther. 1988. *Aspekte der deutschen Syntax: Eine Rektions-Bindungs-Analyse* (Studien zur deutschen Grammatik 33). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Grewendorf, Günther. 1989. *Ergativity in German* (Studies in Generative Grammar 35). Dordrecht: Foris Publications.
- Grewendorf, Günther. 1993. German: A grammatical sketch. In Joachim Jacobs, Arnim von Stechow, Wolfgang Sternefeld & Theo Vennemann (eds.), *Syntax – Ein internationales Handbuch zeitgenössischer Forschung*, vol. 9.2 (Handbücher zur Sprach- und Kommunikationswissenschaft), 1288–1319. Berlin: Walter de Gruyter Verlag.
- Grewendorf, Günther. 2002. *Minimalistische Syntax* (UTB für Wissenschaft: Uni-Taschenbücher 2313). Tübingen, Basel: A. Francke Verlag GmbH.
- Grewendorf, Günther & Wolfgang Sternefeld (eds.). 1990. *Scrambling and barriers* (Linguistik Aktuell/Linguistics Today 5). Amsterdam: John Benjamins Publishing Co.
- Grewendorf, Güther. 2009. The left clausal periphery: Clitic left dislocation in Italian and left dislocation in German. In Benjamin Shear, Philippa Helen Cook, Werner Frey & Claudia Maienborn (eds.), *Dislocated elements in discourse: Syntactic, semantic, and pragmatic perspectives* (Routledge Studies in Germanic Linguistics), 49–94. New York: Routledge.
- Grimshaw, Jane. 1986. Subjacency and the S/S' Parameter. *Linguistic Inquiry* 17(2). 364–369.
- Grimshaw, Jane. 1997. Projections, heads, and optimality. *Linguistic Inquiry* 28. 373–422.
- Grinberg, Dennis, John D. Lafferty & Daniel Dominic Sleator. 1995. A robust parsing algorithm for Link Grammars. In *Proceedings of the Fourth International Workshop on Parsing Technologies*, <http://arxiv.org/abs/cmp-lg/9508003>. Also as Carnegie Mellon University Computer Science Technical Report CMU-CS-95-125.
- Groos, Anneke & Henk van Riemsdijk. 1981. Matching effects in free relatives: A parameter of core grammar. In A. Belletti, L. Brandi & L. Rizzi (eds.), *Theory of markedness in Generative Grammar*, 171–216. Pisa: Scuola Normale Superiore.
- Groß, Thomas M. & Timothy Osborne. 2009. Toward a practical Dependency Grammar theory of discontinuities. *SKY Journal of Linguistics* 22. 43–90.
- Groß, Thomas Michael. 2003. Dependency Grammar's limits – and ways of extending them. In ? 331–351.
- Grosu, Alexander. 1973. On the status of the so-called Right Roof Constraint. *Language* 49(2). 294–311.
- Grover, Claire, John Carroll & Ted J. Briscoe. 1993. The Alvey Natural Language Tools grammar (4th release). Technical Report 284 Computer Laboratory, Cambridge University, UK.

- Grubačić, Emilija. 1965. *Untersuchungen zur Frage der Wortstellung in der deutschen Prosadichtung der letzten Jahrzehnte*. Zagreb: Philosophische Fakultät dissertation.
- Gruber, Jeffrey. 1965. *Studies in lexical relations*: MIT dissertation.
- Gunji, Takao. 1986. Subcategorization and word order. In William J. Poser (ed.), *Papers from the Second International Workshop on Japanese Syntax*, 1–21. Stanford, CA: CSLI Publications.
- Günther, Carsten, Claudia Maienborn & Andrea Schopp. 1999. The processing of information structure. In Peter Bosch & Rob van der Sandt (eds.), *Focus: Linguistic, cognitive, and computational perspectives* (Studies in Natural Language Processing), 18–42. Cambridge, UK: Cambridge University Press. Rev. papers orig. presented at a conference held 1994, Schloss Wolfsbrunnen, Germany.
- Guo, Yuqing, Haifeng Wang & Josef van Genabith. 2007. Recovering non-local dependencies for Chinese. In *Proceedings of the Joint Conference on Empirical Methods in Natural Language Processing and Natural Language Learning*, (EMNLP-CoNLL 2007), 257–266. Prague, Czech Republic: Association for Computational Linguistics.
- Guzmán Naranjo, Matías. 2015. Unifying everything: Integrating quantitative effects into formal models of grammar. In *Proceedings of the 6th Conference on Quantitative Investigations in Theoretical Linguistics*, DOI:10.15496/publikation-8636.
- Haddar, Kais, Sirine Boukedi & Ines Zalila. 2010. Construction of an HPSG grammar for the Arabic language and its specification in TDL. *International Journal on Information and Communication Technologies* 3(3). 52–64.
- Haegeman, Liliane. 1994. *Introduction to Government and Binding Theory* (Blackwell Textbooks in Linguistics 1). Oxford, UK/Cambridge, USA: Blackwell Publishing Ltd 2nd edn.
- Haegeman, Liliane. 1995. *The syntax of negation*. Cambridge, UK: Cambridge University Press.
- Haftka, Brigitta. 1995. Syntactic positions for topic and contrastive focus in the German middlefield. In Inga Kohlhof, Susanne Winkler & Hans-Bernhard Drubig (eds.), *Proceedings of the Göttingen Focus Workshop, 17 DGfS, March 1–3* (Arbeitspapiere des SFB 340 No. 69), 137–157. Eberhard-Karls-Universität Tübingen.
- Haftka, Brigitta. 1996. Deutsch ist eine V/2-Sprache mit Verbendstellung und freier Wortfolge. In Ewald Lang & Gisela Zifonun (eds.), *Deutsch – typologisch* (Institut für deutsche Sprache, Jahrbuch 1995), 121–141. Berlin: Walter de Gruyter.
- Hagemann, Jörg & Sven Staffeldt (eds.). 2014. *Syntaxtheorien: Analysen im Vergleich* (Stauffenburg Einführungen 28). Tübingen: Stauffenburg Verlag.
- Hagen, Kristin, Janne Bondi Johannessen & Anders Nøklestad. 2000. A constraint-based tagger for Norwegian. In C.-E. Lindberg & S. N. Lund (eds.), *17th Scandinavian Conference of Linguistic, Odense*, vol. I (Odense Working Papers in Language and Communication 19), 1–15.
- Hahn, Michael. 2011. Null conjuncts and bound pronouns in Arabic. In ? 60–80. <http://csli-publications.stanford.edu/HPSG/2011/>.
- Haider, Hubert. 1982. Abhängigkeiten und Konfigurationen: Zur deutschen V-Projektion. *Groninger Arbeiten zur Germanistischen Linguistik* 21. 1–60.

## Bibliography

- Haider, Hubert. 1984. Was zu haben ist und was zu sein hat – Bemerkungen zum Infinitiv. *Papiere zur Linguistik* 30(1). 23–36.
- Haider, Hubert. 1985a. The case of German. In ? 23–64.
- Haider, Hubert. 1985b. Über *sein* oder nicht *sein*: Zur Grammatik des Pronomens *sich*. In ? 223–254.
- Haider, Hubert. 1986a. Fehlende Argumente: Vom Passiv zu kohärenten Infinitiven. *Linguistische Berichte* 101. 3–33.
- Haider, Hubert. 1986b. Nicht-sententiale Infinitive. *Groninger Arbeiten zur Germanistischen Linguistik* 28. 73–114.
- Haider, Hubert. 1990a. Pro-bleme? In ? 121–143.
- Haider, Hubert. 1990b. Topicalization and other puzzles of German syntax. In ? 93–112.
- Haider, Hubert. 1991. Fakultativ kohärente Infinitivkonstruktionen im Deutschen. Arbeitspapiere des SFB 340 No. 17 IBM Deutschland GmbH Heidelberg.
- Haider, Hubert. 1993. *Deutsche Syntax – generativ: Vorstudien zur Theorie einer projektiven Grammatik* (Tübinger Beiträge zur Linguistik 325). Tübingen: Gunter Narr Verlag.
- Haider, Hubert. 1994. (Un-)heimliche Subjekte: Anmerkungen zur Pro-drop Causa, im Anschluß an die Lektüre von Osvaldo Jaeggli & Kenneth J. Safir, eds., *The Null Subject Parameter*. *Linguistische Berichte* 153. 372–385.
- Haider, Hubert. 1995. Studies on phrase structure and economy. Arbeitspapiere des SFB 340 No. 70 Universität Stuttgart Stuttgart.
- Haider, Hubert. 1997a. Projective economy: On the minimal functional structure of the German clause. In Werner Abraham & Elly van Gelderen (eds.), *German: Syntactic problems—Problematic syntax* (Linguistische Arbeiten 374), 83–103. Tübingen: Max Niemeyer Verlag.
- Haider, Hubert. 1997b. Typological implications of a directionality constraint on projections. In Artemis Alexiadou & T. Alan Hall (eds.), *Studies on Universal Grammar and typological variation* (Linguistik Aktuell/Linguistics Today 13), 17–33. Amsterdam: John Benjamins Publishing Co.
- Haider, Hubert. 1999. The license to license: Structural case plus economy yields Burzio's Generalization. In Eric Reuland (ed.), *Arguments and case: Explaining Burzio's Generalization* (Linguistik Aktuell/Linguistics Today 34), 31–55. Amsterdam: John Benjamins Publishing Co.
- Haider, Hubert. 2000. OV is more basic than VO. In Peter Svenonius (ed.), *The derivation of VO and OV*, 45–67. Amsterdam: John Benjamins Publishing Co.
- Haider, Hubert. 2001. Parametrisierung in der Generativen Grammatik. In Martin Haspelmath, Ekkehard König, Wulf Oesterreicher & Wolfgang Raible (eds.), *Sprachtypologie und sprachliche Universalien – Language typology and language universals: Ein internationales Handbuch – An international handbook*, 283–294. Berlin: Mouton de Gruyter.
- Haider, Hubert. 2014. Scientific ideology in grammar theory. Ms. Universität Salzburg, Dept. of Linguistics and Centre for Cognitive Neuroscience.

- Haider, Hubert & Klaus Netter (eds.). 1991. *Representation and derivation in the theory of grammar* (Studies in Natural Language and Linguistic Theory 22). Dordrecht: Kluwer Academic Publishers.
- Hajičová, Eva & Petr Sgall. 2003. Dependency Syntax in Functional Generative Description. In ? 570–592.
- Hakuta, Kenji, Ellen Bialystok & Edward Wiley. 2003. Critical evidence: A test of the Critical-Period Hypothesis for second-language acquisition. *Psychological Science* 14(1). 31–38.
- Hale, Kenneth. 1976. The adjoined relative clause in Australia. In R.M.W. Dixon (ed.), *Grammatical categories of Australian languages* (Linguistic Series 22), 78–105. New Jersey: Humanities Press.
- Hale, Kenneth & Samuel Jay Keyser. 1993a. On argument structure and the lexical expression of syntactic relations. In ? 53–109.
- Hale, Kenneth & Samuel Jay Keyser (eds.). 1993b. *The view from building 20: essays in linguistics in honor of Sylvain Bromberger* (Current Studies in Linguistics 24). Cambridge, MA/London: MIT Press.
- Hale, Kenneth & Samuel Jay Keyser. 1997. On the complex nature of simple predicators. In Alex Alsina, Joan Bresnan & Peter Sells (eds.), *Complex predicates* (CSLI Lecture Notes 64), 29–65. Stanford, CA: CSLI Publications.
- Han, Chung-hye, Juntae Yoon, Nari Kim & Martha Palmer. 2000. A feature-based Lexicalized Tree Adjoining Grammar for Korean. Technical Report IRCS-00-04 University of Pennsylvania Institute for Research in Cognitive Science. [http://repository.upenn.edu/ircs\\_reports/35/](http://repository.upenn.edu/ircs_reports/35/).
- Harbour, Daniel. 2011. Mythomania? Methods and morals from ‘The myth of language universals’. *Lingua* 121(12). 1820–1830.
- Harley, Heidi & Rolf Noyer. 2000. Formal versus encyclopedic properties of vocabulary: Evidence from nominalizations. In ? 349–374.
- Harman, Gilbert. 1963. Generative grammars without transformation rules: A defence of phrase structure. *Language* 39. 597–616.
- Harris, Zellig S. 1957. Co-occurrence and transformation in linguistic structure. *Language* 33(3). 283–340.
- Haspelmath, Martin. 2008. Parametric versus functional explanations of syntactic universals. In T. Biberauer (ed.), *The limits of syntactic variation*, 75–107. Amsterdam: John Benjamins Publishing Co.
- Haspelmath, Martin. 2009. The best-supported language universals refer to scalar patterns deriving from processing costs. *The Behavioral and Brain Sciences* 32(5). 457–458.
- Haspelmath, Martin. 2010a. Comparative concepts and descriptive categories in crosslinguistic studies. *Language* 86(3). 663–687.
- Haspelmath, Martin. 2010b. Framework-free grammatical theory. In Bernd Heine & Heiko Narrog (eds.), *The Oxford handbook of grammatical analysis*, 341–365. Oxford: Oxford University Press.
- Haspelmath, Martin. 2010c. The interplay between comparative concepts and descriptive categories (reply to Newmeyer). *Language* 86(3). 696–699.

- Haugereid, Petter. 2007. Decomposed phrasal constructions. In ? 120–129. <http://csli-publications.stanford.edu/HPSG/2007/>.
- Haugereid, Petter. 2009. *Phrasal subconstructions: A Constructionalist grammar design, exemplified with Norwegian and English*: Norwegian University of Science and Technology dissertation.
- Haugereid, Petter, Nurit Melnik & Shuly Wintner. 2013. Nonverbal predicates in Modern Hebrew. In Stefan Müller (ed.), *Proceedings of the 20th International Conference on Head-Driven Phrase Structure Grammar, Freie Universität Berlin*, 69–89. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2013/hmw.pdf>.
- Hauser, Marc D., Noam Chomsky & W. Tecumseh Fitch. 2002. The faculty of language: What is it, who has it, and how did it evolve? *Science* 298. 1569–1579. DOI:10.1126/science.298.5598.1569.
- Hausser, Roland. 1992. Complexity in left-associative grammar. *Theoretical Computer Science* 106(2). 283–308.
- Hawkins, John A. 1999. Processing complexity and filler-gap dependencies across grammars. *Language* 75(2). 244–285.
- Hawkins, John A. 2004. *Efficiency and complexity in grammars*. Oxford: Oxford University Press.
- Hays, David G. 1964. Dependency Theory: A formalism and some observations. *Language* 40(4). 511–525.
- Hays, David G. & T. W. Ziehe. 1960. Studies in machine translation: 10–Russian sentence-structure determination. Tech. rep. Rand Corporation.
- Hedeland, Hanna, Thomas Schmidt & Kai Wörner (eds.). 2011. *Multilingual resources and multilingual applications: Proceedings of the Conference of the German Society for Computational Linguistics and Language Technology (GSCL) 2011* (Arbeiten zur Mehrsprachigkeit/Working Papers in Multilingualism, Folge B/Series B 96). Hamburg: Universität Hamburg.
- Heinecke, Johannes, Jürgen Kunze, Wolfgang Menzel & Ingo Schröder. 1998. Eliminative parsing with graded constraints. In ? 526–530. DOI:10.3115/980845.980953.
- Heinz, Wolfgang & Johannes Matiassek. 1994. Argument structure and case assignment in German. In ? 199–236.
- Helbig, Gerhard & Joachim Buscha. 1969. *Deutsche Grammatik: Ein Handbuch für den Ausländerunterricht*. Leipzig: VEB Verlag Enzyklopädie.
- Helbig, Gerhard & Joachim Buscha. 1998. *Deutsche Grammatik: Ein Handbuch für den Ausländerunterricht*. Leipzig Berlin München: Langenscheidt Verlag Enzyklopädie 18th edn.
- Helbig, Gerhard & Wolfgang Schenkel. 1969. *Wörterbuch zur Valenz und Distribution deutscher Verben*. Leipzig: VEB Bibliographisches Institut Leipzig.
- Hellan, Lars. 1986. The headedness of NPs in Norwegian. In Peter Muysken & Henk van Riemsdijk (eds.), *Features and projections*, 89–122. Dordrecht/Cinnaminson, U.S.A.: Foris Publications.

- Hellan, Lars. 2007. On 'deep evaluation' for individual computational grammars and for cross-framework comparison. In ? 161–181. <http://csli-publications.stanford.edu/GEAF/2007/>.
- Hellan, Lars & Dorothee Beermann. 2006. The 'specifier' in an HPSG grammar implementation of Norwegian. In S. Werner (ed.), *Proceedings of the 15th NODALIDA Conference, Joensuu 2005* (Ling@JoY: University of Joensuu electronic publications in linguistics and language technology 1), 57–64. Joensuu: University of Joensuu.
- Hellan, Lars & Petter Haugereid. 2003. Norsource – An exercise in the Matrix Grammar building design. In ?.
- Hellwig, Peter. 1978. PLAIN – Ein Programmsystem zur Sprachbeschreibung und maschinellen Sprachbearbeitung. *Sprache und Datenverarbeitung* 1(2). 16–31.
- Hellwig, Peter. 1986. Dependency Unification Grammar. In ? 195–198.
- Hellwig, Peter. 2003. Dependency Unification Grammar. In ? 593–635.
- Hellwig, Peter. 2006. Parsing with Dependency Grammars. In Vilmos Ágel, Ludwig M. Eichinger, Hans Werner Eroms, Peter Hellwig, Hans Jürgen Heringer & Henning Lobin (eds.), *Dependenz und Valenz / Dependency and valency: Ein internationales Handbuch der zeitgenössischen Forschung / An international handbook of contemporary research*, vol. 25.2 (Handbücher zur Sprach- und Kommunikationswissenschaft), 1081–1109. Berlin: Walter de Gruyter.
- Her, One-Soon, Dan Higinbotham & Joseph Pentheroudakis. 1991. An LFG-based machine translation system. *Computer Processing of Chinese and Oriental Languages* 5(3–4). 285–297.
- Heringer, Hans-Jürgen. 1996. *Deutsche Syntax dependentiell* (Stauffenburg Linguistik). Tübingen: Stauffenburg Verlag.
- Herzog, Otthein & Claus-Rainer Rollinger (eds.). 1991. *Text understanding in LILOG* (Lecture Notes in Artificial Intelligence 546). Berlin: Springer Verlag.
- Higinbotham, James. 1985. On semantics. *Linguistic Inquiry* 16(4). 547–593.
- Hinrichs, Erhard W., Walt Detmar Meurers, Frank Richter, Manfred Sailer & Heike Winhart (eds.). 1997. *Ein HPSG-Fragment des Deutschen. Teil 1: Theorie*, vol. No. 95 (Arbeitspapiere des SFB 340). Tübingen: Eberhard-Karls-Universität Tübingen.
- Hinrichs, Erhard W. & Tsuneko Nakazawa. 1989a. *Aspects of German VP structure* (SfS-Report-01-93). Tübingen: Eberhard-Karls-Universität Tübingen.
- Hinrichs, Erhard W. & Tsuneko Nakazawa. 1989b. Flipped out: AUX in German. In ?.
- Hinrichs, Erhard W. & Tsuneko Nakazawa. 1989c. Subcategorization and VP structure in German. In ?.
- Hinrichs, Erhard W. & Tsuneko Nakazawa. 1994. Linearizing AUXs in German verbal complexes. In ? 11–38.
- Hinterhölzel, Roland. 2004. Language change versus grammar change: What diachronic data reveal about the interaction between core grammar and periphery. In Carola Trips & Eric Fuß (eds.), *Diachronic clues to synchronic grammar*, 131–160. Amsterdam: John Benjamins Publishing Co.

- Hoberg, Ursula. 1981. *Die Wortstellung in der geschriebenen deutschen Gegenwartssprache* (Heutiges Deutsch. Linguistische Grundlagen. Forschungen des Instituts für deutsche Sprache 10). München: Max Hueber Verlag.
- Hockett, Charles F. 1960. The origin of speech. *Scientific American* 203. 88–96.
- Hoeksema, Jack. 1991. Theoretische Aspekten van Partikelvooropplaatsing. *TABU Bulletin voor Taalwetenschap* 21(1). 18–26.
- Hoffman, Beryl Ann. 1995. *The computational analysis of the syntax and interpretation of “free” word order in Turkish*: University of Pennsylvania dissertation.
- Hoffmann, Thomas & Graeme Trousdale (eds.). 2013. *The Oxford handbook of Construction Grammar* (Oxford Handbooks). Oxford: Oxford University Press.
- Höhle, Tilman N. 1978. *Lexikalische Syntax: Die Aktiv-Passiv-Relation und andere Infinitivkonstruktionen im Deutschen* (Linguistische Arbeiten 67). Tübingen: Max Niemeyer Verlag.
- Höhle, Tilman N. 1982. Explikationen für „normale Betonung“ und „normale Wortstellung“. In ? 75–153. Republished as ?.
- Höhle, Tilman N. 1983. Topologische Felder. Köln, ms, Published as ?.
- Höhle, Tilman N. 1986. Der Begriff „Mittelfeld“, Anmerkungen über die Theorie der topologischen Felder. In Walter Weiss, Herbert Ernst Wiegand & Marga Reis (eds.), *Akten des VII. Kongresses der Internationalen Vereinigung für germanische Sprach- und Literaturwissenschaft. Göttingen 1985. Band 3. Textlinguistik contra Stilistik? – Wortschatz und Wörterbuch – Grammatische oder pragmatische Organisation von Rede?* (Kontroversen, alte und neue 4), 329–340. Tübingen: Max Niemeyer Verlag. Republished as ?.
- Höhle, Tilman N. 1988. Verum-Fokus. Netzwerk Sprache und Pragmatik 5 Universität Lund, Germananistisches Institut Lund. Republished as ?.
- Höhle, Tilman N. 1991a. On reconstruction and coordination. In ? 139–197. Republished as ?.
- Höhle, Tilman N. 1991b. Projektionsstufen bei V-Projektionen: Bemerkungen zu F/T. Ms. Published as ?.
- Höhle, Tilman N. 1994. Spuren in HPSG. Vortrag auf der GGS-Tagung in Tübingen am 14. Mai 1994, published as ?.
- Höhle, Tilman N. 1997. Vorangestellte Verben und Komplementierer sind eine natürliche Klasse. In Christa Dürscheid, Karl Heinz Ramers & Monika Schwarz (eds.), *Sprache im Fokus: Festschrift für Heinz Vater zum 65. Geburtstag*, 107–120. Tübingen: Max Niemeyer Verlag. Republished as ?.
- Höhle, Tilman N. 1999. An architecture for phonology. In Robert D. Borsley & Adam Przepiórkowski (eds.), *Slavic in Head-Driven Phrase Structure Grammar*, 61–90. Stanford, CA: CSLI Publications. Republished as ?.
- Holler, Anke. 2005. *Weiterführende Relativsätze: Empirische und theoretische Aspekte* (studia grammatica 60). Berlin: Akademie Verlag.
- Hornstein, Norbert. 2013. Three grades of grammatical involvement: Syntax from a Minimalist perspective. *Mind and Language* 28(4). 392–420.

- Hornstein, Norbert, Jairo Nunes & Kleantes K. Grohmann. 2005. *Understanding Minimalism* (Cambridge Textbooks in Linguistics). Cambridge, UK: Cambridge University Press.
- Huck, Geoffrey J. & Almerindo E. Ojeda (eds.). 1987. *Discontinuous constituency* (Syntax and Semantics 20). New York: Academic Press.
- Hudson, Carla L. & Elissa L. Newport. 1999. Creolization: Could adults really have done it all? In Annabel Greenhill, Heather Littlefield & Cheryl Tano (eds.), *Proceedings of the Boston University Conference on Language Development*, vol. 23, 265–276. Somerville, MA: Cascadilla Press.
- Hudson, Richard. 1980. Constituency and dependency. *Linguistics* 18. 179–198.
- Hudson, Richard. 1984. *Word grammar*. Oxford: Basil Blackwell.
- Hudson, Richard. 1989. Towards a computer-testable Word Grammar of English. *UCL Working Papers in Linguistics* 1. 321–339.
- Hudson, Richard. 1990. *English Word Grammar*. Oxford: Basil Blackwell.
- Hudson, Richard. 1991. *English Word Grammar*. Oxford: Basil Blackwell.
- Hudson, Richard. 2003. Mismatches in default inheritance. In ? 355–402.
- Hudson, Richard. 2004. Are determiners heads? *Functions of Language* 11(1). 7–42.
- Hudson, Richard. 2010a. Reaction to: “The myth of language universals and cognitive science”: On the choice between phrase structure and dependency structure. *Lingua* 120(12). 2676–2679.
- Hudson, Richard. 2015. Pied piping in cognition. Ms. London. <http://dickhudson.com/papers/>.
- Hudson, Richard A. 1988. Coordination and grammatical relations. *Journal of Linguistics* 24(2). 303–342.
- Hudson, Richard A. 1997. German partial VP fronting. Ms. University College London. <http://dickhudson.com/papers/>.
- Hudson, Richard A. 2000. Discontinuity. *Dependency Grammars*, TAL 41(1). 15–56.
- Hudson, Richard A. 2007. *Language networks: The new Word Grammar*. Oxford: Oxford University Press.
- Hudson, Richard A. 2010b. *An introduction to Word Grammar* (Cambridge Textbooks in Linguistics). Cambridge, UK: Cambridge University Press.
- Hudson Kam, Carla L. & Elissa L. Newport. 2005. Regularizing unpredictable variation: The roles of adult and child learners in language formation and change. *Language Learning and Development* 1. 151–195.
- Humboldt, Wilhelm von. 1988. *Gesammelte Werke*. Berlin, New York: Walter de Gruyter.
- Hurford, James R. 2002. Expression/induction models of language evolution: Dimensions and issues. In Ted J. Briscoe (ed.), *Linguistic evolution through language acquisition*, 301–344. Cambridge, UK: Cambridge University Press.
- Hurskainen, Arvi. 2006. Constraint Grammar in unconventional use: Handling complex Swahili idioms and proverbs. *Suominen, Mickael et.al.: A Man of Measure: Festschrift in Honour of Fred Karlsson on his 60th Birthday. Special Supplement to SKY Journal of Linguistics* 19. 397–406.



## Bibliography

- Ingram, David & William Thompson. 1996. Early syntactic acquisition in German: Evidence for the modal hypothesis. *Language* 72(1). 97–120.
- Iordanskaja, L., M. Kim, R. Kittredge, B. Lavoie & A. Polguère. 1992. Generation of extended bilingual statistical reports. In ? 1019–1023.
- Isabelle, Pierre (ed.). 1998. *Proceedings of the 36th Annual Meeting of the Association for Computational Linguistics and 17th International Conference on Computational Linguistics*. Montreal, Quebec, Canada: Association for Computational Linguistics. DOI:10.3115/980845.980953.
- Isabelle, Pierre (ed.). 2002. *40th Annual Meeting of the Association for Computational Linguistics: Proceedings of the conference*. University of Pennsylvania, Philadelphia: Association for Computational Linguistics. <http://aclanthology.info/events/acl-2002>.
- Islam, Md. Asfaqul, K. M. Azharul Hasan & Md. Mizanur Rahman. 2012. Basic HPSG structure for Bangla grammar. In *15th International Conference on Computer and Information Technology (ICCIT)*, 185–189. Curran Associates. DOI:10.1109/ICCITech.2012.6509749.
- Jackendoff, Ray S. 1972. *Semantic interpretation in Generative Grammar*. Cambridge, MA/London, England: MIT Press.
- Jackendoff, Ray S. 1975. Morphological and semantic regularities in the lexikon. *Language* 51(3). 639–671.
- Jackendoff, Ray S. 1977.  *$\bar{X}$  syntax: A study of phrase structure*. Cambridge, MA/London, England: MIT Press.
- Jackendoff, Ray S. 1997. *The architecture of the language faculty* (Linguistic Inquiry Monographs 28). Cambridge, MA/London: MIT Press.
- Jackendoff, Ray S. 2000. Fodorian modularity and representational modularity. In Yosef Grodzinsky, Lewis P. Shapiro & David Swinney (eds.), *Language and the brain: Representation and processing* (Foundations of Neuropsychology), 3–30. San Diego: Academic Press.
- Jackendoff, Ray S. 2002. *Foundations of language*. Oxford: Oxford University Press.
- Jackendoff, Ray S. 2007. A parallel architecture perspective on language processing. *Brain Research* 1146. 2–22.
- Jackendoff, Ray S. 2008. Construction after Construction and its theoretical challenges. *Language* 84(1). 8–28.
- Jackendoff, Ray S. 2011. What is the human language faculty? Two views. *Language* 87(3). 586–624.
- Jackendoff, Ray S. & Steven Pinker. 2005. The nature of the language faculty and its implications for evolution of language (reply to Fitch, Hauser, and Chomsky). *Cognition* 97(2). 211–225.
- Jackendoff, Ray S. & Steven Pinker. 2009. The reality of a universal language faculty. *The Behavioral and Brain Sciences* 32(5). 465–466.
- Jacobs, Joachim. 1986. The syntax of focus and adverbials in German. In Werner Abraham & S. de Meij (eds.), *Topic, focus, and configurationality: Papers from the 6th Groningen Grammar Talks, Groningen, 1984* (Linguistik Aktuell/Linguistics Today 4), 103–127. Amsterdam: John Benjamins Publishing Co.

- Jacobs, Joachim. 1991. Bewegung als Valenztransfer. SFB 282: Theorie des Lexikons 1 Heinrich Heine Uni/BUGH Düsseldorf/Wuppertal.
- Jacobs, Joachim. 2008. Wozu Konstruktionen? *Linguistische Berichte* 213. 3–44.
- Jacobson, Pauline. 1987a. Phrase structure, grammatical relations, and discontinuous constituents. In ? 27–69.
- Jacobson, Pauline. 1987b. Review of generalized phrase structure grammar. *Linguistics and Philosophy* 10(3). 389–426.
- Jaeggli, Osvaldo A. 1986. Passive. *Linguistic Inquiry* 17(4). 587–622.
- Jäger, Gerhard & Reinhard Blutner. 2003. Competition and interpretation: The German adverb *wieder* ‘again’. In ? 393–416.
- Jäger, Gerhard, Paola Monachesi, Gerald Penn & Shuly Wintner (eds.). 2002. *Proceedings of Formal Grammar 2002*. Trento.
- Jäger, Gerhard, Paola Monachesi, Gerald Penn & Shuly Wintner (eds.). 2008. *Proceedings of Formal Grammar 2003, Vienna, Austria*. Stanford, CA: CSLI Publications.
- Jäppinen, H., A. Lehtola & K. Valkonen. 1986. Functional structures for parsing dependency constraints. In ? 461–463. DOI:10.3115/991365.991501.
- Johnson, David E. & Shalom Lappin. 1997. A critique of the Minimalist Programm. *Linguistics and Philosophy* 20(3). 273–333.
- Johnson, David E. & Shalom Lappin. 1999. *Local constraints vs. economy* (Stanford Monographs in Linguistics). Stanford, CA: CSLI Publications.
- Johnson, David E. & Paul M. Postal. 1980. *Arc Pair Grammar*. Princeton, NJ: Princeton University Press.
- Johnson, Jacqueline S. & Elissa L. Newport. 1989. Critical period effects in second language learning: The influence of maturational state on the acquisition of English as a second language. *Cognitive Psychology* 21(1). 60–99.
- Johnson, Kent. 2004. Gold’s theorem and cognitive science. *Philosophy of Science* 71(4). 571–592.
- Johnson, Mark. 1986. A GPSG account of VP structure in German. *Linguistics* 24(5). 871–882.
- Johnson, Mark. 1988. *Attribute-value logic and the theory of grammar* (CSLI Lecture Notes 14). Stanford, CA: CSLI Publications.
- Johnson, Mark. 1989. Parsing as deduction: The use of knowledge of language. *Journal of Psycholinguistic Research* 18(1). 105–128.
- Johnson, Mark, Stuart Geman, Stephen Canon, Zhiyi Chi & Stefan Riezler. 1999. Estimators for stochastic “unification-based” grammars. In Robert Dale & Ken Church (eds.), *Proceedings of the Thirty-Seventh Annual Meeting of the ACL*, 535–541. Association for Computational Linguistics.
- Joshi, Aravind K. 1985. Tree Adjoining Grammars: How much context-sensitivity is required to provide reasonable structural descriptions? In David Dowty, Lauri Karttunen & Arnold Zwicky (eds.), *Natural language parsing*, 206–250. Cambridge University Press.

- Joshi, Aravind K. 1987a. Introduction to Tree Adjoining Grammar. In Alexis Manaster-Ramer (ed.), *The mathematics of language*, 87–114. Amsterdam: John Benjamins Publishing Co.
- Joshi, Aravind K. 1987b. Word-order variation in natural language generation. In *AAAI 87, Sixth National Conference on Artificial Intelligence*, 550–555. Seattle.
- Joshi, Aravind K., Tilman Becker & Owen Rambow. 2000. Complexity of scrambling: A new twist to the competence-performance distinction. In ? 167–181.
- Joshi, Aravind K., Leon S. Levy & Masako Takahashi. 1975. Tree Adjunct Grammar. *Journal of Computer and System Science* 10(2). 136–163.
- Joshi, Aravind K. & Yves Schabes. 1997. Tree-Adjoining Grammars. In G. Rozenberg & A. Salomaa (eds.), *Handbook of formal languages*, 69–123. Berlin: Springer Verlag.
- Joshi, Aravind K., K. Vijay Shanker & David Weir. 1990. The convergence of mildly context-sensitive grammar formalisms. Tech. Rep. MS-CIS-90-01 Department of Computer and Information Science, University of Pennsylvania. [http://repository.upenn.edu/cis\\_reports/539/](http://repository.upenn.edu/cis_reports/539/).
- Jungen, Oliver & Horst Lohnstein. 2006. *Einführung in die Grammatiktheorie* (UTB 2676). München: Wilhelm Fink Verlag.
- Jurafsky, Daniel. 1996. A probabilistic model of lexical and syntactic access and disambiguation. *Cognitive Science* 20(2). 137–194.
- Kahane, Sylvain. 1997. Bubble trees and syntactic representations. In Tilman Becker & Hans-Ulrich Krieger (eds.), *Proceedings of Mathematics of Language (MOL5) Meeting*, 70–76. Saarbrücken: DFKI.
- Kahane, Sylvain. 2003. The Meaning-Text Theory. In ? 546–570.
- Kahane, Sylvain. 2009. On the status of phrases in Head-Driven Phrase Structure Grammar: Illustration by a fully lexical treatment of extraction. In Alain Polguère & Igor A. Mel'čuk (eds.), *Dependency in linguistic description* (Studies in Language Companion Series 111), 111–150. Amsterdam: John Benjamins Publishing Co.
- Kahane, Sylvain, Alexis Nasr & Owen Rambow. 1998. Pseudo-projectivity: A polynomially parsable non-projective Dependency Grammar. In ? 646–652. DOI:10.3115/980845.980953. <http://www.aclweb.org/anthology/P98-1106>.
- Kallmeyer, Laura. 2005. Tree-local Multicomponent Tree Adjoining Grammars with shared nodes. *Computational Linguistics* 31(2). 187–225.
- Kallmeyer, Laura & Aravind K. Joshi. 2003. Factoring predicate argument and scope semantics: Underspecified semantics with LTAG. *Research on Language and Computation* 1(1–2). 3–58. DOI:10.1023/A:1024564228892.
- Kallmeyer, Laura, Timm Lichte, Wolfgang Maier, Yannick Parmentier, Johannes Dellert & Kilian Evang. 2008. TuLiPA: Towards a multi-formalism parsing environment for grammar engineering. In Stephen Clark & Tracy Holloway King (eds.), *Coling 2008: Proceedings of the Workshop on Grammar Engineering Across Frameworks*, 1–8. Manchester, England: Association for Computational Linguistics.
- Kallmeyer, Laura & Rainer Osswald. 2012. A frame-based semantics of the dative alternation in Lexicalized Tree Adjoining Grammars. In ? 167–184.

- Kallmeyer, Laura & Maribel Romero. 2008. Scope and situation binding in LTAG using semantic unification. *Research on Language and Computation* 6(1). 3–52.
- Kallmeyer, Laura & Sinwon Yoon. 2004. Tree-local MCTAG with shared nodes: An analysis of word order variation in German and Korean. *Traitement automatique des langues TAL* 45(3). 49–69.
- Kamp, Hans & Uwe Reyle. 1993. *From discourse to logic: Introduction to modeltheoretic semantics of natural language, formal logic and Discourse Representation Theory* (Studies in Linguistics and Philosophy 42). Dordrecht: Kluwer Academic Publishers.
- Kaplan, Ronald M. 1995. The formal architecture of Lexical-Functional Grammar. In ? 7–27.
- Kaplan, Ronald M. & Joan Bresnan. 1982. Lexical-Functional Grammar: A formal system for grammatical representation. In ? 173–281. Reprint in: ? : 29–130.
- Kaplan, Ronald M. & John T. Maxwell III. 1996. LFG grammar writer's workbench. Tech. rep. Xerox PARC.
- Kaplan, Ronald M., Stefan Riezler, Tracy Holloway King, John T. Maxwell III, Alexander Vasserman & Richard Crouch. 2004. Speed and accuracy in shallow and deep stochastic parsing. In *Proceedings of the Human Language Technology Conference and the 4th Annual Meeting of the North American Chapter of the Association for Computational Linguistics (HLT-NAACL '04)*, Boston, MA: Association for Computational Linguistics.
- Kaplan, Ronald M. & Annie Zaenen. 1989. Long-distance dependencies, constituent structure and functional uncertainty. In ? 17–42.
- Karimi, Simin. 2005. *A Minimalist approach to scrambling: Evidence from Persian* (Studies in Generative Grammar 76). Berlin, New York: Mouton de Gruyter.
- Karimi-Doostan, Gholamhossein. 2005. Light verbs and structural case. *Lingua* 115(12). 1737–1756.
- Karlgren, Hans (ed.). 1990. *COLING-90: Papers presented to the 13th International Conference on Computational Linguistics*. Helsinki: Association for Computational Linguistics.
- Karlsson, Fred (ed.). 1986. *Papers from the Fifth Scandinavian Conference of Computational Linguistics*. Helsinki.
- Karlsson, Fred. 1990. Constraint Grammar as a framework for parsing running text. In ? 168–173.
- Karmiloff-Smith, Annette. 1998. Development itself is the key to understanding developmental disorders. *Trends in Cognitive Sciences* 2(10). 389–398.
- Karmiloff-Smith, Annette, Julia Grant, Ioanna Berthoud, Mark Davies, Patricia Howlin & Orlee Udwin. 1997. Language in Williams Syndrome: How intact is 'intact'? *Child Development* 68(2). 246–262.
- Karttunen, Lauri. 1986. Radical lexicalism. Report No. CSLI-86-68 Center for the Study of Language and Information.
- Karttunen, Lauri. 1989. Radical lexicalism. In ? 43–65.
- Kasper, Robert T. 1994. Adjuncts in the Mittelfeld. In ? 39–70.
- Kasper, Robert T., Bernd Kiefer, Klaus Netter & Vijay K. Shanker. 1995. Compilation of HPSG to TAG. In ? 92–99.

- Kathol, Andreas. 1995. *Linearization-based German syntax*: Ohio State University dissertation.
- Kathol, Andreas. 2000. *Linear syntax*. New York, Oxford: Oxford University Press.
- Kathol, Andreas. 2001. Positional effects in a monostratal grammar of German. *Journal of Linguistics* 37(1). 35–66.
- Kathol, Andreas & Carl J. Pollard. 1995. Extraposition via complex domain formation. In ? 174–180.
- Kaufmann, Ingrid & Dieter Wunderlich. 1998. Cross-linguistic patterns of resultatives. SFB 282: Theorie des Lexikons 109 Heinrich Heine Uni/BUGH Düsseldorf.
- Kaufmann, Tobias. 2009. *A rule-based language model for speech recognition*: Computer Engineering and Networks Laboratory, ETH Zürich dissertation.
- Kaufmann, Tobias & Beat Pfister. 2007. Applying licenser rules to a grammar with continuous constituents. In ? 150–162. <http://csli-publications.stanford.edu/HPSG/2007/>.
- Kaufmann, Tobias & Beat Pfister. 2008. Applying a grammar-based language model to a broadcast-news transcription task. In ? 106–113. <http://www.aclweb.org/anthology/P/P08/P08-1013.pdf>.
- Kay, Martin. 1967. Experiments with a powerful parser. In *Proceedings of Conference Internationale Sur Le Traitement Automatique Des Langues (COLING 1967)*, Grenoble. <http://aclweb.org/anthology/C/C67/C67-1009.pdf>.
- Kay, Martin. 2000. David G. Hays. In William J. Hutchins (ed.), *Early years in machine translation* (Amsterdam Studies in the Theory and History of Linguistics Science Series 3), 165–170. Amsterdam: John Benjamins Publishing Co.
- Kay, Martin. 2011. Zipf’s law and *L’Arbitraire du Signe*. *Linguistic Issues in Language Technology* 6(8). 1–25. <http://journals.linguisticsociety.org/elanguage/lilt/article/view/2584.html>. Special Issue on Interaction of Linguistics and Computational Linguistics.
- Kay, Paul. 2002. An informal sketch of a formal architecture for Construction Grammar. *Grammars* 5(1). 1–19.
- Kay, Paul. 2005. Argument structure constructions and the argument-adjunct distinction. In Mirjam Fried & Hans C. Boas (eds.), *Grammatical constructions: Back to the roots* (Constructional Approaches to Language 4), 71–98. Amsterdam: John Benjamins Publishing Co.
- Kay, Paul & Charles J. Fillmore. 1999. Grammatical Constructions and linguistic generalizations: The What’s X Doing Y? Construction. *Language* 75(1). 1–33.
- Kay, Paul, Ivan A. Sag & Daniel P. Flickinger. 2015. A lexical theory of phrasal idioms. Ms. CSLI Stanford.
- Kayne, Richard S. 1994. *The antisymmetry of syntax* (Linguistic Inquiry Monographs 25). Cambridge, MA: MIT Press.
- Kayne, Richard S. 2011. Why are there no directionality parameters? In Mary Byram Washburn, Katherine McKinney-Bock, Erika Varis, Ann Sawyer & Barbara Tomaszewicz (eds.), *Proceedings of the 28th West Coast Conference on Formal Linguistics*, 1–23. Somerville, MA: Cascadilla Press.
- Keenan, Edward L. & Bernard Comrie. 1977. Noun phrase accessibility and Universal Grammar. *Linguistic Inquiry* 8(1). 63–99.

- Keller, Frank. 1994. German functional HPSG – An experimental CUF encoding. Tech. rep. Institut für Maschinelle Sprachverarbeitung Stuttgart.
- Keller, Frank. 1995. Towards an account of extraposition in HPSG. In ?.
- Kettunen, Kimmo. 1986. On modelling dependency-oriented parsing. In ? 113–120.
- Kiefer, Bernd, Hans-Ulrich Krieger & Mark-Jan Nederhof. 2000. Efficient and robust parsing of word hypotheses graphs. In ? 280–295.
- Kifle, Nazareth Amlesom. 2012. *Tigrinya applicatives in Lexical-Functional Grammar*: University of Bergen dissertation. <http://hdl.handle.net/1956/5730>.
- Kim, Jong-Bok & Peter Sells. 2008. *English syntax: An introduction* (CSLI Lecture Notes 185). Stanford, CA: CSLI Publications.
- Kim, Jong-Bok, Peter Sells & Jaehyung Yang. 2007. Parsing two types of multiple nominative constructions: A Constructional approach. *Language and Information* 11(1). 25–37.
- Kim, Jong-Bok & Jaehyung Yang. 2003. Korean phrase structure grammar and its implementations into the LKB system. In Dong Hong Ji & Kim Teng Lua (eds.), *Proceedings of the 17th Pacific Asia Conference on Language, Information and Computation*, 88–97. National University of Singapore: COLIPS Publications.
- Kim, Jong-Bok & Jaehyung Yang. 2004. Projections from morphology to syntax in the Korean Resource Grammar: Implementing typed feature structures. In Alexander Gelbukh (ed.), *Computational linguistics and intelligent text processing: 5th International Conference, CICLing 2004, Seoul, Korea, February 15-21, 2004, Proceedings* (Lecture Notes in Computer Science 2945), 13–24. Berlin: Springer Verlag.
- Kim, Jong-Bok & Jaehyung Yang. 2006. Coordination structures in a typed feature structure grammar: Formalization and implementation. In Tapio Salakoski, Filip Ginter, Sampo Pyysalo & Tapio Pahikkala (eds.), *Advances in natural language processing: 5th International Conference, FinTAL 2006 Turku, Finland, August 23-25, 2006 proceedings* (Lecture Notes in Artificial Intelligence 4139), 194–205. Berlin: Springer Verlag.
- Kim, Jong-Bok & Jaehyung Yang. 2009. Processing three types of Korean cleft constructions in a typed feature structure grammar. *Korean Journal of Cognitive Science* 20(1). 1–28.
- Kim, Jong-Bok, Jaehyung Yang, Sanghoun Song & Francis Bond. 2011. Deep processing of Korean and the development of the Korean Resource Grammar. *Linguistic Research* 28(3). 635–672.
- Kimball, John P. 1973. *The formal theory of grammar* (Foundations of Modern Linguistics). Englewood Cliffs, NJ: Prentice-Hall.
- King, Maghi (ed.). 1985. *Proceedings of the 2nd European Meeting of the Association for Computational Linguistics*. Geneva: Association for Computational Linguistics. <http://aclweb.org/anthology/E/E85/>.
- King, Paul. 1994. An expanded logical formalism for Head-Driven Phrase Structure Grammar. Arbeitspapiere des SFB 340 No. 59 Eberhard-Karls-Universität Tübingen. <http://www.sfs.uni-tuebingen.de/sfb/reports/berichte/59/59abs.html>.
- King, Paul. 1999. Towards truth in Head-Driven Phrase Structure Grammar. In Valia Kordoni (ed.), *Tübingen studies in Head-Driven Phrase Structure Grammar* (Arbeitsberichte

- des SFB 340 No. 132), 301–352. Tübingen: Universität Tübingen. <http://www.sfs.uni-tuebingen.de/sfb/reports/berichte/132/132abs.html>.
- King, Tracy Holloway & Emily M. Bender (eds.). 2007. *Grammar Engineering across Frameworks 2007*. (Studies in Computational Linguistics ONLINE) Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/GEAF/2007/>.
- King, Tracy Holloway & John T. Maxwell III. 2007. Overlay mechanisms for multi-level deep processing applications. In ? 182–202. <http://csli-publications.stanford.edu/GEAF/2007/>.
- King, Tracy Holloway & Marianne Santaholma (eds.). 2009. *Proceedings of the 2009 Workshop on Grammar Engineering Across Frameworks (GEAF 2009)*. Suntec, Singapore: Association for Computational Linguistics. <http://www.aclweb.org/anthology/W/W09/#2600>.
- Kinyon, Alexandra, Owen Rambow, Tatjana Scheffler, SinWon Yoon & Aravind K. Joshi. 2006. The Metagrammar goes multilingual: A cross-linguistic look at the V2-phenomenon. In Laura Kallmeyer & Tilman Becker (eds.), *TAG+8: The Eighth International Workshop on Tree Adjoining Grammar and Related Formalisms: Proceedings of the workshop*, 17–24. Sydney, Australia: Association for Computational Linguistics.
- Kiparsky, Paul. 1987. Morphology and grammatical relations. Unpublished paper, Stanford University, Stanford.
- Kiparsky, Paul. 1988. Agreement and linking theory. Unpublished paper, Stanford University, Stanford.
- Kiparsky, Paul & Carol Kiparsky. 1970. Fact. In Manfred Bierwisch & Karl Erich Heidolph (eds.), *Progress in linguistics*, 143–173. The Hague/Paris: Mouton.
- Kiss, Katalin E. 2003. Argument scrambling, focus movement and topic movement in Hungarian. In Simin Karimi (ed.), *Word order and scrambling*, 22–43. London: Blackwell.
- Kiss, Tibor. 1991. The grammars of LILOG. In ? 183–199.
- Kiss, Tibor. 1992. Variable Subkategorisierung: Eine Theorie unpersönlicher Einbettungen im Deutschen. *Linguistische Berichte* 140. 256–293.
- Kiss, Tibor. 1993. Infinite Komplementation – Neue Studien zum deutschen Verbum infinitum. Arbeiten des SFB 282 No. 42 Bergische Universität Gesamthochschule Wuppertal.
- Kiss, Tibor. 1995. *Infinite Komplementation: Neue Studien zum deutschen Verbum infinitum* (Linguistische Arbeiten 333). Tübingen: Max Niemeyer Verlag.
- Kiss, Tibor. 2001. Configurational and relational scope determination in German. In ? 141–175.
- Kiss, Tibor. 2005. Semantic constraints on relative clause extraposition. *Natural Language and Linguistic Theory* 23(2). 281–334.
- Kiss, Tibor & Artemis Alexiadou (eds.). 2015. *Syntax – theory and analysis: An international handbook*, vol. 42 (Handbooks of Linguistics and Communication Science). Berlin: Mouton de Gruyter 2nd edn.
- Kiss, Tibor & Birgit Wesche. 1991. Verb order and head movement. In ? 216–242.
- Klann-Delius, Gisela. 2008. *Spracherwerb*. Stuttgart: J.B. Metzler-Verlag 2nd edn.

- Klein, Wolfgang. 1971. *Parsing: Studien zur maschinellen Satzanalyse mit Abhängigkeitsgrammatiken und Transformationsgrammatiken*, vol. 2. Frankfurt a. M.: Athenäum Verlag.
- Klein, Wolfgang. 1985. Ellipse, Fokusgliederung und thematischer Stand. In Reinhard Meyer-Hermann & Hannes Rieser (eds.), *Ellipsen und fragmentarische Ausdrücke*, 1–24. Tübingen: Max Niemeyer Verlag.
- Klein, Wolfgang. 1986. *Second language acquisition* (Cambridge Textbooks in Linguistics). Cambridge, UK: Cambridge University Press.
- Klein, Wolfgang. 2009. Finiteness, Universal Grammar and the language faculty. In Jiansheng Guo, Elena Lieven, Nancy Budwig, Susan Ervin-Tripp, Keiko Nakamura & Seyda Ozcaliskan (eds.), *Cross-linguistic approaches to the study of language: Research in the tradition of Dan Isaac Slobin* (Psychology Press Festschrift Series), 333–344. New York: Psychology Press.
- Klenk, Ursula. 2003. *Generative Syntax* (Narr Studienbücher). Tübingen: Gunter Narr Verlag.
- Kluender, Robert. 1992. Deriving island constraints from principles of predication. In Helen Goodluck & Michael Rochemont (eds.), *Island constraints: Theory, acquisition, and processing*, 223–258. Dordrecht: Kluwer Academic Publishers.
- Kluender, Robert & Marta Kutas. 1993. Subjacency as a processing phenomenon. *Language and Cognitive Processes* 8(4). 573–633.
- Knecht, Laura. 1985. *Subject and object in Turkish*. M.I.T. dissertation.
- Kobele, Gregory M. 2008. Across-the-board extraction in Minimalist Grammars. In *Proceedings of the Ninth International Workshop on Tree Adjoining Grammar and Related Formalisms (TAG+9)*, 113–128.
- Koenig, Jean-Pierre. 1999. *Lexical relations* (Stanford Monographs in Linguistics). Stanford, CA: CSLI Publications.
- Koenig, Jean-Pierre & Karin Michelson. 2010. Argument structure of Oneida kinship terms. *International Journal of American Linguistics* 76(2). 169–205.
- Koenig, Jean-Pierre & Karin Michelson. 2012. The (non)universality of syntactic selection and functional application. In ? 185–205.
- Kohl, Dieter. 1992. Generation from under- and overspecified structures. In ? 686–692.
- Kohl, Dieter, Claire Gardent, Agnes Plainfossé, Mike Reape & Stefan Momma. 1992. Text generation from semantic representation. In Gabriel G. Bes & Thierry Guillotin (eds.), *The construction of a natural language and graphic interface: Results and perspectives from the ACORD project*, 94–161. Berlin: Springer Verlag.
- Kohl, Karen T. 1999. *An analysis of finite parameter learning in linguistic spaces*. Massachusetts Institute of Technology MA thesis. <http://karentkohl.org/papers/SM.pdf>.
- Kohl, Karen T. 2000. Language learning in large parameter spaces. In *Proceedings of the Seventeenth National Conference on Artificial Intelligence and Twelfth Conference on Innovative Applications of Artificial Intelligence*, 1080. AAAI Press / The MIT Press.
- Kolb, Hans-Peter. 1997. GB blues: Two essays on procedures and structures in Generative Syntax. Arbeitspapiere des SFB 340 No. 110 Eberhard-Karls-Universität Tübingen.



- Kolb, Hans-Peter & Craig L. Thiersch. 1991. Levels and empty categories in a Principles and Parameters based approach to parsing. In ? 251–301.
- Konieczny, Lars. 1996. *Human sentence processing: A semantics-oriented parsing approach*: Universität Freiburg Dissertation. IIG-Berichte 3/96.
- König, Esther. 1999. LexGram: A practical Categorical Grammar formalism. *Journal of Language and Computation* 1(1). 33–52.
- Koopman, Hilda & Dominique Sportiche. 1991. The position of subjects. *Lingua* 85(2–3). 211–258.
- Kordoni, Valia (ed.). 1999a. *Tübingen studies in Head-Driven Phrase Structure Grammar* (Arbeitspapiere des SFB 340, No.132, Volume 1). Tübingen: Eberhard-Karls-Universität Tübingen.
- Kordoni, Valia (ed.). 1999b. *Tübingen studies in Head-Driven Phrase Structure Grammar* (Arbeitspapiere des SFB 340, No.132, Volume 1). Tübingen: Eberhard-Karls-Universität Tübingen.
- Kordoni, Valia. 2001. Linking experiencer-subject psych verb constructions in Modern Greek. In Daniel P. Flickinger & Andreas Kathol (eds.), *Proceedings of the HPSG-2000 Conference, University of California, Berkeley*, 198–213. CSLI Publications. <http://csli-publications.stanford.edu/HPSG/1/>.
- Kordoni, Valia & Julia Neu. 2005. Deep analysis of Modern Greek. In ? 674–683.
- Kornai, András & Geoffrey K. Pullum. 1990. The X-bar Theory of phrase structure. *Language* 66(1). 24–50.
- Koster, Jan. 1975. Dutch as an SOV language. *Linguistic Analysis* 1(2). 111–136.
- Koster, Jan. 1978. *Locality principles in syntax*. Dordrecht: Foris Publications.
- Koster, Jan. 1986. The relation between pro-drop, scrambling, and verb movements. *Groningen Papers in Theoretical and Applied Linguistics* 1. 1–43.
- Koster, Jan. 1987. *Domains and dynasties: The radical autonomy of syntax*. Dordrecht: Foris Publications.
- Kratzer, Angelika. 1984. On deriving syntactic differences between German and English. TU Berlin, ms.
- Kratzer, Angelika. 1996. Severing the external argument from its verb. In Johan Rooryck & Laurie Zaring (eds.), *Phrase structure and the lexicon*, 109–137. Dordrecht: Kluwer Academic Publishers.
- Krauwert, Steven, Michael Moortgat & Louis des Tombe (eds.). 1993. *Sixth Conference of the European Chapter of the Association for Computational Linguistics. Proceedings of the conference*. Utrecht: Association for Computational Linguistics.
- Krieger, Hans-Ulrich & John Nerbonne. 1993. Feature-based inheritance networks for computational lexicons. In Ted Briscoe, Ann Copestake & Valeria de Paiva (eds.), *Inheritance, defaults, and the lexicon*, 90–136. Cambridge, UK: Cambridge University Press. A version of this paper is available as DFKI Research Report RR-91-31. Also published in: Proceedings of the ACQUILEX Workshop on Default Inheritance in the Lexicon, Technical Report No. 238, University of Cambridge, Computer Laboratory, October 1991.

- Kroch, Anthony S. 1987. Unbounded dependencies and subjacency in a Tree Adjoining Grammar. In Alexis Manaster-Ramer (ed.), *Mathematics of language*, 143–172. Amsterdam: John Benjamins Publishing Co.
- Kroch, Anthony S. & Aravind K. Joshi. 1985. The linguistic relevance of Tree Adjoining Grammar. Tech. Rep. MS-CIS-85-16 University of Pennsylvania. [http://repository.upenn.edu/cgi/viewcontent.cgi?article=1706&context=cis\\_reports](http://repository.upenn.edu/cgi/viewcontent.cgi?article=1706&context=cis_reports).
- Kroch, Anthony S. & Aravind K. Joshi. 1987. Analyzing extraposition in a Tree Adjoining Grammar. In ? 107–149.
- Kropp Dakubu, Mary Esther, Lars Hellan & Dorothee Beermann. 2007. Verb sequencing constraints in Ga: Serial verb constructions and the extended verb complex. In ? 99–119. <http://csli-publications.stanford.edu/HPSG/2007/>.
- Kruijff-Korbayová, Ivana & Mark J. Steedman. 2003. Discourse and information structure. *Journal of Logic, Language and Information: Special Issue on Discourse and Information Structure* 12(3). 249–259.
- Kübler, Sandra, Ryan McDonald & Joakim Nivre. 2009. *Dependency Parsing* (Synthesis Lectures on Human Language Technologies 2). San Rafael, U.S.A: Morgan & Claypool Publishers.
- Kuhn, Jonas. 1995. Information packaging in German: Some motivation from HPSG-based translation. Universität Stuttgart, ms. <ftp://ftp.ims.uni-stuttgart.de/pub/papers/kuhn/Info-Pack.pdf>.
- Kuhn, Jonas. 1996. An underspecified HPSG representation for information structure. In ? 670–675.
- Kuhn, Jonas. 2007. Interfaces in constraint-based theories of grammar. In Gillian Ramchand & Charles Reiss (eds.), *The Oxford handbook of linguistic interfaces*, 613–650. Oxford: Oxford University Press.
- Kuhn, Jonas & Christian Rohrer. 1997. Approaching ambiguity in real-life sentences: The application of an Optimality Theory-inspired constraint ranking in a large-scale LFG grammar. In *Proceedings of DGfS/CL 97*, Heidelberg.
- Kuhns, Robert J. 1986. A PROLOG implementation of Government-Binding Theory. In Alan W. Biermann (ed.), *Proceedings of the Twenty-Fourth Annual Meeting of the Association for Computational Linguistics*, 546–550. Columbia University, New York: Association for Computational Linguistics.
- Kunze, Jürgen. 1968. The treatment of non-projective structures in the syntactic analysis and synthesis of English and German. *Computational Linguistics* 7. 67–77.
- Kunze, Jürgen. 1975. *Abhängigkeitsgrammatik* (studia grammatica 12). Berlin: Akademie Verlag.
- Kunze, Jürgen. 1991. *Kasusrelationen und semantische Emphase* (studia grammatica XXXII). Berlin: Akademie Verlag.
- Kunze, Jürgen. 1993. *Sememstrukturen und Feldstrukturen* (studia grammatica 36). Berlin: Akademie Verlag. Unter Mitarbeit von Beate Firzlaff.
- Labelle, Marie. 2007. Biolinguistics, the Minimalist Program, and psycholinguistic reality. *Snippets* 14. 6–7. <http://www.ledonline.it/snippets/>.

- Laczkó, Tibor, György Rákosi & Ágoston Tóth. 2010. HunGram vs. EngGram in ParGram: On the comparison of Hungarian and English in an international computational linguistics project. In Irén Hegedűs & Sándor Martsa (eds.), *Selected papers in linguistics from the 9th HUSSE Conference*, vol. 1, 81–95. Pécs: Institute of English Studies, Faculty of Humanities, University of Pécs.
- Laenzlinger, Christoph. 2004. A feature-based theory of adverb syntax. In Jennifer R. Austin, Stefan Engelberg & Gisa Rauh (eds.), *Adverbials: The interplay between meaning, context, and syntactic structure* (Linguistik Aktuell/Linguistics Today 70), 205–252. Amsterdam: John Benjamins Publishing Co.
- Lai, Cecilia S. L., Simon E. Fisher, Jane A. Hurst, Faraneh Vargha-Khadem & Anthony P. Monaco. 2001. A forkhead-domain gene is mutated in a severe speech and language disorder. *Nature* 413(6855). 519–523. DOI:10.1038/35097076.
- Lakoff, George. 1987. *Women, fire, and dangerous things: What categories reveal about the mind*. Chicago: The University of Chicago Press.
- Lang, Ewald, Claudia Maienborn & Cathrine Fabricius-Hansen (eds.). 2003. *Modifying adjuncts* (Interface Explorations 4). Berlin: Mouton de Gruyter.
- Langacker, Ronald W. 1987. *Foundations of Cognitive Grammar*, vol. 1. Stanford, CA: Stanford University Press.
- Langacker, Ronald W. 2000. A dynamic usage-based model. In Michael Barlow & Suzanne Kemmer (eds.), *Usage-based models of language*, 1–63. Stanford, CA: CSLI Publications.
- Langacker, Ronald W. 2008. *Cognitive Grammar: A basic introduction*. Oxford: Oxford University Press.
- Langacker, Ronald W. 2009. Cognitive (Construction) Grammar. *Cognitive Linguistics* 20(1). 167–176.
- Lappin, Shalom, Robert D. Levine & David E. Johnson. 2000a. The revolution confused: A response to our critics. *Natural Language and Linguistic Theory* 18(4). 873–890.
- Lappin, Shalom, Robert D. Levine & David E. Johnson. 2000b. The structure of unscientific revolutions. *Natural Language and Linguistic Theory* 18(3). 665–671.
- Lappin, Shalom, Robert D. Levine & David E. Johnson. 2001. The revolution maximally confused. *Natural Language and Linguistic Theory* 19(4). 901–919.
- Larson, Richard K. 1988. On the double object construction. *Linguistic Inquiry* 19(3). 335–391.
- Lascarides, Alex & Ann Copestake. 1999. Default representation in constraint-based frameworks. *Computational Linguistics* 25(1). 55–105.
- Lasnik, Howard & Mamoru Saito. 1992. *Move  $\alpha$ : Conditions on its application and output* (Current Studies in Linguistics 22). Cambridge, MA: MIT Press.
- Lasnik, Howard & Juan Uriagereka. 2002. On the poverty of the challenge. *The Linguistic Review* 19(1–2). 147–150.
- Lavoie, Benoit & Owen Rambow. 1997. RealPro—A fast, portable sentence realizer. In *Proceedings of the Conference on Applied Natural Language Processing (ANLP'97)*, .

- Le, Hong Phuong, Thi Minh Huyen Nguyen & Azim Roussanaly. 2008. Metagrammar for Vietnamese LTAG. In *Proceedings of the Ninth International Workshop on Tree Adjoining Grammars and Related Formalisms (TAG+9)*, 129–132. Tübingen.
- Legate, Julie & Charles D. Yang. 2002. Empirical re-assessment of stimulus poverty arguments. *The Linguistic Review* 19(1–2). 151–162.
- Lehtola, Aarno. 1986. DPL: A computational method for describing grammars and modelling parsers. In ? 151–159.
- Leiss, Elisabeth. 2003. Empirische Argumente für Dependenz. In ? 311–324.
- Leiss, Elisabeth. 2009. *Sprachphilosophie* (de Gruyter Studienbuch). Berlin: Walter de Gruyter.
- Lenerz, Jürgen. 1977. *Zur Abfolge nominaler Satzglieder im Deutschen* (Studien zur deutschen Grammatik 5). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Lenerz, Jürgen. 1994. Pronomenprobleme. In Brigitta Haftka (ed.), *Was determiniert Wortstellungsvariation? Studien zu einem Interaktionsfeld von Grammatik, Pragmatik und Sprachtypologie*, 161–174. Opladen: Westdeutscher Verlag.
- Lenneberg, Eric H. 1964. The capacity for language acquisition. In ? 579–603.
- Lenneberg, Eric H. 1967. *Biological foundations of language*. New York: John Wiley & Sons, Inc.
- Levelt, Willem J. M. 1989. *Speaking: From intonation to articulation* (ACL-MIT Press Series in Natural Language Processing). Cambridge, MA: MIT Press.
- Levin, Beth. 1993. *English verb classes and alternations: A preliminary investigation*. Chicago, Illinois: University of Chicago Press.
- Levin, Beth & Malka Rappaport Hovav. 2005. *Argument realization*. Cambridge University Press.
- Levin, Lori S., Malka Rappaport & Annie Zaenen (eds.). 1983. *Papers in Lexical Functional Grammar*. Indiana: Indiana University Linguistics Club.
- Levine, Robert D. 2003. Adjunct valents, cumulative scopings and impossible descriptions. In Jongbok Kim & Stephen Mark Wechsler (eds.), *The proceedings of the 9th International Conference on Head-Driven Phrase Structure Grammar*, 209–232. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/3/>.
- Levine, Robert D. & Thomas E. Hukari. 2006. *The unity of unbounded dependency constructions* (CSLI Lecture Notes 166). Stanford, CA: CSLI Publications.
- Levine, Robert D. & Walt Detmar Meurers. 2006. Head-Driven Phrase Structure Grammar: Linguistic approach, formal foundations, and computational realization. In ? 237–252.
- Lewis, Geoffrey L. 1967. *Turkish grammar*. Oxford: Clarendon Press.
- Lewis, John D. & Jeffrey L. Elman. 2001. Learnability and the statistical structure of language: Poverty of Stimulus arguments revisited. In Barbora Skarabela, Sarah Fish & Anna H.-J. Do (eds.), *Proceedings of the 26th Annual Boston University Conference on Language Development*, 359–370. <http://crl.ucsd.edu/~elman/Papers/BU2001.pdf>.
- Li, Charles N. & Sandra A. Thompson. 1981. *Mandarin Chinese: A functional reference grammar*. Berkeley and Los Angeles: University of California Press.

- Li, Wei. 1996. Esperanto inflection and its interface in HPSG. Working papers of the linguistics circle University of Victoria.
- Lichte, Timm. 2007. An MCTAG with tuples for coherent constructions in German. In Laura Kallmeyer, Paola Monachesi, Gerald Penn & Giorgio Satta (eds.), *Proceedings of the 12th Conference on Formal Grammar 2007*, Dublin, Ireland.
- Lieb, Hans-Heinrich. 1983. *Integrational linguistics: Vol. I.: General outline* (Current Issues in Linguistic Theory 17). Amsterdam: John Benjamins Publishing Co.
- Lightfoot, David W. 1997. Catastrophic change and learning theory. *Lingua* 100(1). 171–192.
- Link, Godehard. 1984. Hydras: On the logic of relative constructions with multiple heads. In Fred Landmann & Frank Veltman (eds.), *Varieties of formal semantics*, 245–257. Dordrecht: Foris Publications.
- Lipenkova, Janna. 2009. *Serienverbkonstruktionen im Chinesischen und ihre Analyse im Rahmen von HPSG*. Institut für Sinologie, Freie Universität Berlin MA thesis.
- Liu, Gang. 1997. *Eine unifikations-basierte Grammatik für das moderne Chinesisch – dargestellt in der HPSG*: FG Sprachwissenschaft, Universität Konstanz dissertation. <http://www.ub.uni-konstanz.de/kops/volltexte/1999/191/>.
- Liu, Haitao. 2009. *Dependency Grammar: From theory to practice*. Beijing: Science Press.
- Liu, Haitao & Wei Huang. 2006. Chinese Dependency Syntax for treebanking. In *Proceedings of the Twentieth Pacific Asia Conference on Language, Information and Computation*, 126–133. Beijing: Tsinghua University Press.
- Lloré, F. Xavier. 1995. *Un Método de ‘Parsing’ para Gramáticas Catoriales Multimodales*: I.C.E. de la Universidad Politécnica de Catalunya dissertation.
- Lobin, Henning. 1993. *Koordinationssyntax als strukturelles Phänomen* (Studien zur Grammatik 46). Tübingen: Gunter Narr Verlag.
- Lobin, Henning. 2003. Dependenzgrammatik und Kategorialgrammatik. In ? 325–330.
- Löbner, Sebastian. 1986. In Sachen Nullartikel. *Linguistische Berichte* 101. 64–65. <http://user.phil-fak.uni-duesseldorf.de/~loebner/publ/Nullartikel.html>.
- Lohndal, Terje. 2012. Toward the end of argument structure. In María Cristina Cuervo & Yves Roberge (eds.), *The end of argument structure?*, vol. 38 (Syntax and Semantics), 155–184. Bingley, UK: Emerald Group Publishing.
- Lohnstein, Horst. 1993. *Projektion und Linking: Ein prinzipienbasierter Parser fürs Deutsche* (Linguistische Arbeiten 287). Tübingen: Max Niemeyer Verlag.
- Lohnstein, Horst. 2014. Artenvielfalt in freier Wildbahn: Generative Grammatik. In ? 165–185.
- Longobardi, Giuseppe & Ian Roberts. 2010. Universals, diversity and change in the science of language: Reaction to “The myth of language universals and cognitive science”. *Lingua* 120(12). 2699–2703.
- Lorenz, Konrad. 1970. *Studies in human and animal behavior*, vol. I. Cambridge, MA: Harvard University Press.
- Lötscher, Andreas. 1985. Syntaktische Bedingungen der Topikalisierung. *Deutsche Sprache* 13(3). 207–229.

- Loukam, Mourad, Amar Balla & Mohamed Tayeb Laskri. 2015. Towards an open platform based on HPSG formalism for the Standard Arabic language. *International Journal of Speech Technology* DOI:10.1007/s10772-015-9314-4.
- Lüdeling, Anke. 2001. *On particle verbs and similar constructions in German* (Dissertations in Linguistics). Stanford, CA: CSLI Publications.
- Lüdeling, Anke & Merja Kytö (eds.). 2009. *Corpus linguistics: An international handbook*, vol. 29 (Handbücher zur Sprach- und Kommunikationswissenschaft). Berlin: Mouton de Gruyter.
- Luuk, Erkki & Hendrik Luuk. 2011. The redundancy of recursion and infinity for natural language. *Cognitive Processing* 12(1). 1–11.
- Maas, Heinz Dieter. 1977. The Saarbrücken Automatic Translation System (SUSY). In Eric James Coates (ed.), *Proceedings of the Third European Congress on Information Systems and Networks: Overcoming the Language Barrier*, vol. 1, 585–592. München: Verlag Dokumentation.
- Maché, Jakob. 2010. Towards a compositional analysis of verbless directives in German. Paper presented at the HPSG 2010 Conference.
- Machicao y Priemer, Antonio. 2015. SpaGram: An implemented grammar fragment of Spanish. Ms. Humboldt Universität zu Berlin. In Preparation.
- MacWhinney, Brian. 1995. *The CHILDES project: Tools for analyzing talk*. Hillsdale, NJ: Erlbaum 2nd edn.
- Maess, Burkhard, Stefan Koelsch, Thomas C. Gunter & Angela D. Friederici. 2001. Musical syntax is processed in Broca's area: An MEG study. *Nature Neuroscience* 4(5). 540–545.
- Marantz, Alec. 1984. *On the nature of grammatical relations* (Linguistic Inquiry Monographs 10). Cambridge, MA: MIT Press.
- Marantz, Alec. 1997. No escape from syntax: Don't try morphological analysis in the privacy of your own lexicon. *U. Penn Working Papers in Linguistics* 4(2). 201–225. <http://www.ling.upenn.edu/papers/v4.2-contents.html>.
- Marantz, Alec. 2005. Generative linguistics within the cognitive neuroscience of language. *The Linguistic Review* 22(2–4). 429–445.
- Marcus, Gary F. 1993. Negative evidence in language acquisition. *Cognition* 46(1). 53–85.
- Marcus, Gary F. & Simon E. Fisher. 2003. FOXP2 in focus: What can genes tell us about speech and language? *TRENDS in Cognitive Sciences* 7(6). 257–262.
- Marcus, Mitchell P. 1980. *A theory of syntactic recognition for natural language*. London, England/Cambridge, MA: MIT Press.
- Marimon, Montserrat. 2013. The Spanish DELPH-IN grammar. *Language Resources and Evaluation* 47(2). 371–397. DOI:10.1007/s10579-012-9199-7.
- Marshall, Ian & Éva Sáfar. 2004. Sign Language generation in an ALE HPSG. In ? 189–201. <http://csli-publications.stanford.edu/HPSG/2004/>.
- Marslen-Wilson, William. 1975. Sentence perception as an interactive parallel process. *Science* 189(4198). 226–228.

- Masuichi, Hiroshi & Tomoko Ohkuma. 2003. Constructing a practical Japanese parser based on Lexical-Functional Grammar. *Journal of Natural Language Processing* 10. 79–109. In Japanese.
- Masum, Mahmudul Hasan, Muhammad Sadiqul Islam, M. Sohel Rahman & Reaz Ahmed. 2012. HPSG analysis of type-based Arabic nominal declension. In *The 13th International Arab Conference*, 272–279.
- Mayo, Bruce. 1997. Die Konstanzer LFG-Umgebung. Arbeitspapier 82 des Fachbereichs Sprachwissenschaft der Universität Konstanz Universität Konstanz.
- Mayo, Bruce. 1999. *A computational model of derivational morphology*: Universität Hamburg dissertation. <http://www.sub.uni-hamburg.de/opus/volltexte/1999/386/>.
- Meinunger, André. 2000. *Syntactic aspects of topic and comment* (Linguistik Aktuell/Linguistics Today 38). Amsterdam: John Benjamins Publishing Co.
- Meisel, Jürgen. 1995. Parameters in acquisition. In Paul Fletcher & Brian MacWhinny (eds.), *The handbook of child language*, 10–35. Oxford: Blackwell Publishing Ltd.
- Mel'čuk, Igor A. 1964. *Avtomatičeskij sintaksičeskij analiz*, vol. 1. Novosibirsk: Izdatel'stvo SO AN SSSR.
- Mel'čuk, Igor A. 1981. Meaning-Text Models: A recent trend in Soviet linguistics. *Annual Review of Anthropology* 10. 27–62.
- Mel'čuk, Igor A. 1988. *Dependency Syntax: Theory and practice* (SUNY Series in Linguistics). Albany, NY: SUNY Press.
- Mel'čuk, Igor A. 2003. Levels of dependency description: Concepts and problems. In ? 188–230.
- Melnik, Nurit. 2007. From “hand-written” to computationally implemented HPSG theories. *Research on Language and Computation* 5(2). 199–236.
- Mensching, Guido & Eva-Maria Remberger. 2011. Syntactic variation and change in Romance: A Minimalist approach. In Peter Siemund (ed.), *Linguistic universals and language variation* (Trends in Linguistics. Studies and Monographs 231), 361–403. Berlin: Mouton de Gruyter.
- Menzel, Wolfgang. 1998. Constraint satisfaction for robust parsing of spoken language. *Journal of Experimental & Theoretical Artificial Intelligence* 10(1). 77–89.
- Menzel, Wolfgang & Ingo Schröder. 1998a. Constraint-based diagnosis for intelligent language tutoring systems. In *Proceedings of the ITF & KNOWS Conference at the IFIP '98 Congress*, Wien/Budapest.
- Menzel, Wolfgang & Ingo Schröder. 1998b. Decision procedures for Dependency Parsing using graded constraints. In Alain Polguère & Sylvain Kahane (eds.), *Processing of dependency-based grammars: Proceedings of the workshop at COLING-ACL '98*, 78–87. Association for Computational Linguistics. <http://www.aclweb.org/anthology/W/W98/#0500>.
- Meurer, Paul. 2009. A computational grammar for Georgian. In Peter Bosch, David Gabelaia & Jérôme Lang (eds.), *Logic, language, and computation: 7th International Tbilisi Symposium on Logic, Language, and Computation, TbiLLC 2007, Tbilisi, Georgia, October 2007, revised selected papers* (Lecture Notes in Artificial Intelligence 5422), 1–15. Berlin: Springer Verlag.

- Meurers, Walt Detmar. 1994. On implementing an HPSG theory. In Erhard W. Hinrichs, Walt Detmar Meurers & Tsuneko Nakazawa (eds.), *Partial-VP and split-NP topicalization in German – An HPSG analysis and its implementation* (Arbeitspapiere des SFB 340 No. 58), 47–155. Tübingen: Eberhard-Karls-Universität. <http://www.sfs.uni-tuebingen.de/~dm/papers/on-implementing.html>.
- Meurers, Walt Detmar. 1999a. German partial-VP fronting revisited. In ? 129–144.
- Meurers, Walt Detmar. 1999b. *Lexical generalizations in the syntax of German non-finite constructions*. Tübingen: Eberhard-Karls-Universität dissertation.
- Meurers, Walt Detmar. 1999c. Raising spirits (and assigning them case). *Groninger Arbeiten zur Germanistischen Linguistik (GAGL)* 43. 173–226. <http://www.sfs.uni-tuebingen.de/~dm/papers/gagl99.html>.
- Meurers, Walt Detmar. 2000. Lexical generalizations in the syntax of German non-finite constructions. Arbeitspapiere des SFB 340 No. 145 Eberhard-Karls-Universität Tübingen. <http://www.sfs.uni-tuebingen.de/~dm/papers/diss.html>.
- Meurers, Walt Detmar. 2001. On expressing lexical generalizations in HPSG. *Nordic Journal of Linguistics* 24(2). 161–217.
- Meurers, Walt Detmar, Kordula De Kuthy & Vanessa Metcalf. 2003. Modularity of grammatical constraints in HPSG-based grammar implementations. In ? 83–90. <http://www.sfs.uni-tuebingen.de/~dm/papers/meurers-dekuthy-metcalf-03.html>.
- Meurers, Walt Detmar & Tibor Kiss (eds.). 2001. *Constraint-based approaches to Germanic syntax* (Studies in Constraint-Based Lexicalism 7). Stanford, CA: CSLI Publications.
- Meurers, Walt Detmar & Stefan Müller. 2009. Corpora and syntax. In ? chap. 42, 920–933.
- Meurers, Walt Detmar, Gerald Penn & Frank Richter. 2002. A web-based instructional platform for constraint-based grammar formalisms and parsing. In Dragomir Radev & Chris Brew (eds.), *Effective tools and methodologies for teaching NLP and CL*, 18–25. Association for Computational Linguistics. Proceedings of the Workshop held at 40th Annual Meeting of the Association for Computational Linguistics. Philadelphia, PA.
- Micelli, Vanessa. 2012. Field topology and information structure: A case study for German constituent order. In Luc Steels (ed.), *Computational issues in Fluid Construction Grammar* (Lecture Notes in Computer Science 7249), 178–211. Berlin: Springer Verlag.
- Michaelis, Jens. 2001. *On formal properties of Minimalist Grammars*: Universität Potsdam dissertation.
- Michaelis, Laura A. 2006. Construction Grammar. In ? 73–84.
- Michaelis, Laura A. & Josef Ruppenhofer. 2001. *Beyond alternations: A Constructional model of the German applicative pattern* (Stanford Monographs in Linguistics). Stanford, CA: CSLI Publications.
- Miller, George A. & Kathryn Ojemann McKean. 1964. A chronometric study of some relations between sentences. *Quarterly Journal of Experimental Psychology* 16(4). 297–308.
- Mittendorf, Ingo & Louisa Sadler. 2005. Numerals, nouns and number in Welsh NPs. In ? 294–312. <http://csli-publications.stanford.edu/LFG/10/>.



- Miyao, Yusuke, Takashi Ninomiya & Jun'ichi Tsujii. 2005. Corpus-oriented grammar development for acquiring a Head-Driven Phrase Structure Grammar from the Penn Treebank. In ? 684–693.
- Miyao, Yusuke & Jun'ichi Tsujii. 2008. Feature forest models for probabilistic HPSG parsing. *Computational Linguistics* 34(1). 35–80.
- Moens, Marc, Jo Calder, Ewan Klein, Mike Reape & Henk Zeevat. 1989. Expressing generalizations in unification-based grammar formalisms. In ? 174–181.
- Montague, Richard. 1974. *Formal philosophy*. New Haven: Yale University Press.
- Moore, Johanna D., Simone Teufel, James Allan & Sadaoki Furui (eds.). 2008. *Proceedings of the 46th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies*. Columbus, Ohio: Association for Computational Linguistics. <http://www.aclweb.org/anthology/P/P08/>.
- Moortgat, Michael. 1989. *Categorical investigations: Logical and linguistic aspects of the Lambek Calculus* (Groningen Amsterdam Studies in Semantics 9). Dordrecht/Cinnaminson, U.S.A.: Foris Publications.
- Moortgat, Michael. 2011. Categorical type logics. In ? 95–179.
- Moot, Richard. 2002. *Proof nets for linguistic analysis*: University of Utrecht dissertation.
- Morgan, James L. 1989. Learnability considerations and the nature of trigger experiences in language acquisition. *Behavioral and Brain Sciences* 12(2). 352–353.
- Morin, Yves Ch. 1973. A computer tested Transformational Grammar of French. *Linguistics* 116(11). 49–114.
- Morrill, Glyn V. 1994. *Type Logical Grammars: Categorical logic of signs*. Dordrecht: Kluwer Academic Publishers.
- Morrill, Glyn V. 1995. Discontinuity in Categorical Grammar. *Linguistics and Philosophy* 18(2). 175–219.
- Morrill, Glyn V. 2012. CatLog: A Categorical parser/theorem-prover. In *Logical aspects of computational linguistics: System demonstrations*, 13–16. Nantes, France: University of Nantes.
- Müller, Gereon. 1996a. A constraint on remnant movement. *Natural Language and Linguistic Theory* 14(2). 355–407.
- Müller, Gereon. 1996b. On extraposition and successive cyclicity. In Uli Lutz & Jürgen Pafel (eds.), *On extraction and extraposition in German* (Linguistik Aktuell/Linguistics Today 11), 213–243. Amsterdam: John Benjamins Publishing Co.
- Müller, Gereon. 1998. *Incomplete category fronting: A derivational approach to remnant movement in German* (Studies in Natural Language and Linguistic Theory 42). Dordrecht: Kluwer Academic Publishers.
- Müller, Gereon. 2000. *Elemente der optimalitätstheoretischen Syntax* (Stauffenburg Linguistik 20). Tübingen: Stauffenburg Verlag.
- Müller, Gereon. 2009a. There are no Constructions. Handout Ringvorlesung: *Algorithmen und Muster: Strukturen in der Sprache*. Freie Universität Berlin, 20. Mai.
- Müller, Gereon. 2011a. Regeln oder Konstruktionen? Von verblosen Direktiven zur sequentiellen Nominalreduplikation. In ? 211–249.

- Müller, Gereon. 2014a. Syntactic buffers. *Linguistische Arbeitsberichte* 91 Institut für Linguistic Universität Leipzig. <http://www.uni-leipzig.de/~muellerg/mu765.pdf>.
- Müller, Natascha & Beate Riemer. 1998. *Generative Syntax der romanischen Sprachen: Französisch, Italienisch, Portugiesisch, Spanisch* (Stauffenburg Einführungen 17). Tübingen: Stauffenburg Verlag.
- Müller, Stefan. 1995. Scrambling in German – Extraction into the *Mittelfeld*. In Benjamin K. T'sou & Tom Bong Yeung Lai (eds.), *Proceedings of the Tenth Pacific Asia Conference on Language, Information and Computation*, 79–83. City University of Hong Kong.
- Müller, Stefan. 1996c. The Babel-System—An HPSG fragment for German, a parser, and a dialogue component. In *Proceedings of the Fourth International Conference on the Practical Application of Prolog*, 263–277. London.
- Müller, Stefan. 1996d. Yet another paper about partial verb phrase fronting in German. In Jun-ichi Tsuji (ed.), *Proceedings of COLING-96: 16th International Conference on Computational Linguistics (COLING96). Copenhagen, Denmark, August 5–9, 1996*, 800–805. Copenhagen, Denmark: Association for Computational Linguistics.
- Müller, Stefan. 1999a. *Deutsche Syntax deklarativ: Head-Driven Phrase Structure Grammar für das Deutsche* (Linguistische Arbeiten 394). Tübingen: Max Niemeyer Verlag.
- Müller, Stefan. 1999b. An HPSG-analysis for free relative clauses in German. *Grammars* 2(1). 53–105.
- Müller, Stefan. 1999c. Restricting discontinuity. In *Proceedings of the 5th Natural Language Processing Pacific Rim Symposium 1999 (NLPRS'99)*, 85–90. Peking.
- Müller, Stefan. 1999d. Restricting discontinuity. *Verbmobil Report 237* Deutsches Forschungszentrum für Künstliche Intelligenz Saarbrücken. This report is also published in the *Proceedings of GLDV 99 (Frankfurt/Main)*. The initial part is contained in the *proceedings of the 5th Natural Language Processing Pacific Rim Symposium 1999 (NLPRS'99)*.
- Müller, Stefan. 2001. Case in German – towards an HPSG analysis. In Walt Detmar Meurers & Tibor Kiss (eds.), *Constraint-based approaches to Germanic syntax* (Studies in Constraint-Based Lexicalism 7), 217–255. Stanford, CA: CSLI Publications.
- Müller, Stefan. 2002a. *Complex predicates: Verbal complexes, resultative constructions, and particle verbs in German* (Studies in Constraint-Based Lexicalism 13). Stanford, CA: CSLI Publications.
- Müller, Stefan. 2002b. Multiple frontings in German. In ? 113–124.
- Müller, Stefan. 2002c. Syntax or morphology: German particle verbs revisited. In ? 119–139.
- Müller, Stefan. 2003a. Mehrfache Vorfeldbesetzung. *Deutsche Sprache* 31(1). 29–62.
- Müller, Stefan. 2003b. Object-to-subject-raising and lexical rule: An analysis of the German passive. In Stefan Müller (ed.), *Proceedings of the 10th International Conference on Head-Driven Phrase Structure Grammar, Michigan State University, East Lansing*, 278–297. Stanford, CA: CSLI Publications.

- Müller, Stefan (ed.). 2003c. *Proceedings of the 10th International Conference on Head-Driven Phrase Structure Grammar*, Michigan State University, East Lansing. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2003/>.
- Müller, Stefan. 2003d. Solving the bracketing paradox: An analysis of the morphology of German particle verbs. *Journal of Linguistics* 39(2). 275–325.
- Müller, Stefan. 2004a. An analysis of depictive secondary predicates in German without discontinuous constituents. In Stefan Müller (ed.), *Proceedings of the 11th International Conference on Head-Driven Phrase Structure Grammar*, Center for Computational Linguistics, Katholieke Universiteit Leuven, 202–222. Stanford, CA: CSLI Publications.
- Müller, Stefan. 2004b. Complex NPs, subadjacency, and extraposition. *Snippets* 8. 10–11.
- Müller, Stefan. 2004c. Continuous or discontinuous constituents? A comparison between syntactic analyses for constituent order and their processing systems. *Research on Language and Computation, Special Issue on Linguistic Theory and Grammar Implementation* 2(2). 209–257.
- Müller, Stefan. 2004d. An HPSG analysis of German depictive secondary predicates. In Lawrence S. Moss & Richard T. Oehrle (eds.), *Proceedings of the joint meeting of the 6th Conference on Formal Grammar and the 7th Conference on Mathematics of Language* (Electronic Notes in Theoretical Computer Science 53), 233–245. Helsinki: Elsevier Science Publisher B.V. (North-Holland). DOI:10.1016/S1571-0661(05)82585-X.
- Müller, Stefan (ed.). 2004e. *Proceedings of the 11th International Conference on Head-Driven Phrase Structure Grammar*, Center for Computational Linguistics, Katholieke Universiteit Leuven. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2004/>.
- Müller, Stefan. 2005a. Resultative Constructions: Syntax, world knowledge, and collocational restrictions: Review of Hans C. Boas: A Constructional approach to resultatives. *Studies in Language* 29(3). 651–681.
- Müller, Stefan. 2005b. Zur Analyse der deutschen Satzstruktur. *Linguistische Berichte* 201. 3–39.
- Müller, Stefan. 2005c. Zur Analyse der scheinbar mehrfachen Vorfeldbesetzung. *Linguistische Berichte* 203. 297–330.
- Müller, Stefan. 2006. Phrasal or lexical Constructions? *Language* 82(4). 850–883.
- Müller, Stefan. 2007a. The Grammex CD Rom: A software collection for developing typed feature structure grammars. In ? 259–266. <http://csli-publications.stanford.edu/GEAF/2007/>.
- Müller, Stefan. 2007b. *Head-Driven Phrase Structure Grammar: Eine Einführung* (Stauffenburg Einführungen 17). Tübingen: Stauffenburg Verlag 1st edn.
- Müller, Stefan. 2007c. Phrasal or lexical Constructions: Some comments on underspecification of constituent order, compositionality, and control. In Stefan Müller (ed.), *Proceedings of the 14th International Conference on Head-Driven Phrase Structure Grammar*, 373–393. Stanford, CA: CSLI Publications.
- Müller, Stefan (ed.). 2007d. *Proceedings of the 14th International Conference on Head-Driven Phrase Structure Grammar*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2007/>.

- Müller, Stefan. 2007e. Qualitative Korpusanalyse für die Grammatiktheorie: Introspektion vs. Korpus. In Gisela Zifonun & Werner Kallmeyer (eds.), *Sprachkorpora – Datenmengen und Erkenntnisfortschritt* (Institut für Deutsche Sprache Jahrbuch 2006), 70–90. Berlin: Walter de Gruyter.
- Müller, Stefan. 2008a. Depictive secondary predicates in German and English. In Christoph Schroeder, Gerd Hentschel & Winfried Boeder (eds.), *Secondary predicates in Eastern European languages and beyond* (Studia Slavica Oldenburgensia 16), 255–273. Oldenburg: BIS-Verlag.
- Müller, Stefan (ed.). 2008b. *Proceedings of the 15th International Conference on Head-Driven Phrase Structure Grammar*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2008/>.
- Müller, Stefan. 2009b. A Head-Driven Phrase Structure Grammar for Maltese. In Bernard Comrie, Ray Fabri, Beth Hume, Manwel Mifsud, Thomas Stolz & Martine Vanhove (eds.), *Introducing Maltese linguistics: Papers from the 1st International Conference on Maltese Linguistics (Bremen/Germany, 18–20 October, 2007)* (Studies in Language Companion Series 113), 83–112. Amsterdam: John Benjamins Publishing Co.
- Müller, Stefan. 2009c. On predication. In Stefan Müller (ed.), *Proceedings of the 16th International Conference on Head-Driven Phrase Structure Grammar, University of Göttingen, Germany*, 213–233. Stanford, CA: CSLI Publications.
- Müller, Stefan (ed.). 2009d. *Proceedings of the 16th International Conference on Head-Driven Phrase Structure Grammar, University of Göttingen, Germany*. Stanford, CA: CSLI Publications.
- Müller, Stefan. 2010a. *Grammatiktheorie* (Stauffenburg Einführungen 20). Tübingen: Stauffenburg Verlag.
- Müller, Stefan. 2010b. Persian complex predicates and the limits of inheritance-based analyses. *Journal of Linguistics* 46(3). 601–655.
- Müller, Stefan (ed.). 2011b. *Proceedings of the 18th International Conference on Head-Driven Phrase Structure Grammar, University of Washington*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2011/>.
- Müller, Stefan. 2012a. On the copula, specificational constructions and type shifting. Ms. Freie Universität Berlin.
- Müller, Stefan. 2012b. A personal note on open access in linguistics. *Journal of Language Modelling* 0(1). 9–39.
- Müller, Stefan. 2013a. The CoreGram project: A brief overview and motivation. In Denys Duchier & Yannick Parmentier (eds.), *Proceedings of the workshop on high-level methodologies for grammar engineering (HMGE 2013), Düsseldorf*, 93–104.
- Müller, Stefan. 2013b. *Grammatiktheorie* (Stauffenburg Einführungen 20). Tübingen: Stauffenburg Verlag 2nd edn.
- Müller, Stefan. 2013c. Unifying everything: Some remarks on Simpler Syntax, Construction Grammar, Minimalism and HPSG. *Language* 89(4). 920–950.
- Müller, Stefan. 2014b. Artenvielfalt und Head-Driven Phrase Structure Grammar. In Jörg Hagemann & Sven Staffeldt (eds.), *Syntaxtheorien: Analysen im Vergleich* (Stauffenburg Einführungen 28), 187–233. Tübingen: Stauffenburg Verlag.

- Müller, Stefan. 2014c. Elliptical constructions, multiple frontings, and surface-based syntax. In Paola Monachesi, Gerhard Jäger, Gerald Penn & Shuly Wintner (eds.), *Proceedings of Formal Grammar 2004, Nancy*, 91–109. Stanford, CA: CSLI Publications.
- Müller, Stefan. 2014d. Kernigkeit: Anmerkungen zur Kern-Peripherie-Unterscheidung. In Antonio Machicao y Priemer, Andreas Nolda & Athina Sioupi (eds.), *Zwischen Kern und Peripherie* (studia grammatica 76), 25–39. Berlin: de Gruyter.
- Müller, Stefan. 2015a. The CoreGram project: Theoretical linguistics, theory development and verification. *Journal of Language Modelling* 3(1). 21–86. DOI:10.15398/jlm.v3i1.91.
- Müller, Stefan. 2015b. *German sentence structure: An analysis with special consideration of so-called multiple fronting* (Empirically Oriented Theoretical Morphology and Syntax). Berlin: Language Science Press. Submitted.
- Müller, Stefan. 2015c. HPSG – A synopsis. In Tibor Kiss & Artemis Alexiadou (eds.), *Syntax – Theory and analysis: An international handbook* (Handbooks of Linguistics and Communication Science 42.2), 937–973. Berlin: Walter de Gruyter 2nd edn.
- Müller, Stefan (ed.). 2015d. *Proceedings of the 22nd International Conference on Head-Driven Phrase Structure Grammar, Nanyang Technological University (NTU), Singapore*. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/HPSG/2015/>.
- Müller, Stefan. 2016a. *Germanic syntax* (Textbooks in Language Sciences). Berlin: Language Science Press. In Preparation.
- Müller, Stefan. 2016b. Satztypen: Lexikalisch oder/und phrasal. In Rita Finkbeiner & Jörg Meibauer (eds.), *Satztypen und Konstruktionen im Deutschen* (Linguistik – Impulse und Tendenzen 65), 72–105. Berlin, Boston: de Gruyter.
- Müller, Stefan & Masood Ghayoomi. 2010. PerGram: A TRALE implementation of an HPSG fragment of Persian. In *Proceedings of 2010 IEEE International Multiconference on Computer Science and Information Technology – Computational Linguistics Applications (CLA'10)*. Wisła, Poland, 18–20 October 2010, vol. 5, 461–467. Polish Information Processing Society.
- Müller, Stefan & Martin Haspelmath. 2013. Language Science Press: A publication model for open-access books in linguistics. Grant Proposal to the DFG.
- Müller, Stefan & Walter Kasper. 2000. HPSG analysis of German. In Wolfgang Wahlster (ed.), *Verbmobil: Foundations of speech-to-speech translation* (Artificial Intelligence), 238–253. Berlin: Springer Verlag.
- Müller, Stefan & Janna Lipenkova. 2009. Serial verb constructions in Chinese: An HPSG account. In Stefan Müller (ed.), *Proceedings of the 16th International Conference on Head-Driven Phrase Structure Grammar, University of Göttingen, Germany*, 234–254. Stanford, CA: CSLI Publications.
- Müller, Stefan & Janna Lipenkova. 2013. ChinGram: A TRALE implementation of an HPSG fragment of Mandarin Chinese. In Huei ling Lai & Kawai Chui (eds.), *Proceedings of the 27th Pacific Asia Conference on Language, Information, and Computation (PACLIC 27)*, 240–249. Taipei, Taiwan: Department of English, National Chengchi University.

- Müller, Stefan & Janna Lipenkova. 2016. *Mandarin Chinese in Head-Driven Phrase Structure Grammar* (Empirically Oriented Theoretical Morphology and Syntax). Berlin: Language Science Press. In Preparation.
- Müller, Stefan & Bjarne Ørsnes. 2011. Positional expletives in Danish, German, and Yiddish. In Stefan Müller (ed.), *Proceedings of the 18th International Conference on Head-Driven Phrase Structure Grammar, University of Washington, U.S.A.*, 167–187. Stanford, CA: CSLI Publications.
- Müller, Stefan & Bjarne Ørsnes. 2013a. Passive in Danish, English, and German. In Stefan Müller (ed.), *Proceedings of the 20th International Conference on Head-Driven Phrase Structure Grammar, Freie Universität Berlin*, 140–160. Stanford, CA: CSLI Publications.
- Müller, Stefan & Bjarne Ørsnes. 2013b. Towards an HPSG analysis of object shift in Danish. In Glyn Morrill & Mark-Jan Nederhof (eds.), *Formal Grammar: 17th and 18th International Conferences, FG 2012, Opole, Poland, August 2012, revised selected papers, FG 2013, Düsseldorf, Germany, August 2013: Proceedings* (Lecture Notes in Computer Science 8036), 69–89. Berlin: Springer Verlag.
- Müller, Stefan & Bjarne Ørsnes. 2015. *Danish in Head-Driven Phrase Structure Grammar* (Empirically Oriented Theoretical Morphology and Syntax). Berlin: Language Science Press. In Preparation.
- Müller, Stefan & Stephen Mark Wechsler. 2014a. Lexical approaches to argument structure. *Theoretical Linguistics* 40(1–2). 1–76.
- Müller, Stefan & Stephen Mark Wechsler. 2014b. Two sides of the same slim Boojum: Further arguments for a lexical approach to argument structure. *Theoretical Linguistics* 40(1–2). 187–224.
- Muraki, Kazunori, Shunji Ichiyama & Yasutomo Fukumochi. 1985. Augmented Dependency Grammar: A simple interface between the grammar rule and the knowledge. In ? 198–204. <http://aclweb.org/anthology/E/E85/>.
- Musso, Mariacristina, Andrea Moro, Volkmar Glauche, Michel Rijntjes, Jürgen Reichenbach, Christian Büchel & Cornelius Weiller. 2003. Broca's area and the language instinct. *Nature Neuroscience* 6(7). 774–781.
- Müürisep, Kaili. 1999. Determination of syntactic functions in Estonian Constraint Grammar. In Henry S. Thompson & Alex Lascarides (eds.), *Ninth conference of the European Chapter of the Association for Computational Linguistics*, 291–292. Bergen, Norway.
- Müürisep, Kaili, Tiina Puolakainen, Kadri Muischnek, Mare Koit, Tiit Roosmaa & Heli Uibo. 2003. A new language for Constraint Grammar: Estonian. In *International Conference Recent Advances in Natural Language Processing*, 304–310.
- Muysken, Peter. 1982. Parameterizing the notion of “head”. *Journal of Linguistic Research* 2. 57–75.
- Mykowiecka, Agnieszka, Małgorzata Marciniak, Adam Przepiórkowski & Anna Kupść. 2003. An implementation of a Generative Grammar of Polish. In Peter Kosta, Joanna Błaszczak, Jens Frasek, Ljudmila Geist & Marzena Żygis (eds.), *Investigations into formal Slavic linguistics: Contributions of the Fourth European Conference on Formal Description of Slavic Languages – FDSL IV held at Potsdam University, November 28–30, 2001*, 271–285. Frankfurt am Main: Peter Lang.

## Bibliography

- Nagao, Makoto (ed.). 1986. *Proceedings of COLING 86*. University of Bonn: Association for Computational Linguistics.
- Nagao, Makoto (ed.). 1994. *Proceedings of COLING 94*. Kyoto, Japan: Association for Computational Linguistics.
- Naumann, Sven. 1987. Ein einfacher Parser für generalisierte Phrasenstrukturgrammatiken. *Zeitschrift für Sprachwissenschaft* 6(2), 206–226.
- Naumann, Sven. 1988. *Generalisierte Phrasenstrukturgrammatik: Parsingstrategien, Regelorganisation und Unifikation* (Linguistische Arbeiten 212). Tübingen: Max Niemeyer Verlag.
- Neeleman, Ad. 1994. *Complex predicates*. Utrecht: Onderzoeksinstituut voor Taal en Spraak (OTS) dissertation.
- Nelimarkka, Esa, Harri Jäppinen & Aarno Lehtola. 1984. Two-way finite automata and Dependency Grammar: A parsing method for inflectional free word order languages. In ? 389–392.
- Nerbonne, John. 1986a. ‘Phantoms’ and German fronting: Poltergeist constituents? *Linguistics* 24(5), 857–870.
- Nerbonne, John. 1986b. A phrase-structure grammar for German passives. *Linguistics* 24(5), 907–938.
- Nerbonne, John. 1993. A feature-based syntax/semantics interface. *Annals of Mathematics and Artificial Intelligence* 8(1–2), 107–132. Special issue on Mathematics of Language edited by Alexis Manaster-Ramer and Wlodek Zadrozny, selected from the 2nd Conference on Mathematics of Language. Also published as DFKI Research Report RR-92-42.
- Nerbonne, John, Klaus Netter & Carl J. Pollard (eds.). 1994a. *German in Head-Driven Phrase Structure Grammar* (CSLI Lecture Notes 46). Stanford, CA: CSLI Publications.
- Nerbonne, John, Klaus Netter & Carl J. Pollard (eds.). 1994b. *German in Head-Driven Phrase Structure Grammar* (CSLI Lecture Notes 46). Stanford, CA: CSLI Publications.
- Netter, Klaus. 1991. Clause union phenomena and complex predicates in German. DYANA Report, Deliverable R1.1.B University of Edinburgh.
- Netter, Klaus. 1992. On non-head non-movement: An HPSG treatment of finite verb position in German. In Günther Görz (ed.), *Konvens 92. 1. Konferenz „Verarbeitung natürlicher Sprache“*. Nürnberg 7.–9. Oktober 1992 (Informatik aktuell), 218–227. Berlin: Springer Verlag.
- Netter, Klaus. 1993. Architecture and coverage of the DISCO Grammar. In Stephan Busemann & Karin Harbusch (eds.), *DFKI Workshop on Natural Language Systems: Re-Usability and Modularity, October 23* (DFKI Document D-93-03), 1–10. Saarbrücken, Germany: DFKI.
- Netter, Klaus. 1994. Towards a theory of functional heads: German nominal phrases. In ? 297–340.
- Netter, Klaus. 1996. *Functional categories in an HPSG for German*. Saarbrücken: Universität des Saarlandes Dissertation.

- Netter, Klaus. 1998. *Functional categories in an HPSG for German* (Saarbrücken Dissertations in Computational Linguistics and Language Technology 3). Saarbrücken: Deutsches Forschungszentrum für Künstliche Intelligenz Universität des Saarlandes.
- Neville, Anne & Patrizia Paggio. 2004. Developing a Danish grammar in the GRASP project: A construction-based approach to topology and extraction in Danish. In Lawrence S. Moss & Richard T. Oehrle (eds.), *Proceedings of the joint meeting of the 6th Conference on Formal Grammar and the 7th Conference on Mathematics of Language* (Electronic Notes in Theoretical Computer Science 53), 246–259. Helsinki: Elsevier Science Publisher B.V. (North-Holland).
- Nevins, Andrew Ira, David Pesetsky & Cilene Rodrigues. 2009. Pirahã exceptionality: A reassessment. *Language* 85(2). 355–404.
- Newmeyer, Frederick J. 2004a. Against a parameter-setting approach to language variation. *Linguistic Variation Yearbook* 4. 181–234.
- Newmeyer, Frederick J. 2004b. Typological evidence and Universal Grammar. *Studies in Language* 28(3). 527–548.
- Newmeyer, Frederick J. 2005. *Possible and probable languages: A Generative perspective on linguistic typology*. Oxford: Oxford University Press.
- Newmeyer, Frederick J. 2010. On comparative concepts and descriptive categories: A reply to Haspelmath. *Language* 86(3). 688–695.
- Newport, Elissa L. 1990. Maturational constraints on language learning. *Cognitive Science* 14(1). 11–28.
- Ng, Say Kiat. 1997. *A double-specifier account of Chinese NPs using Head-Driven Phrase Structure Grammar*. University of Edinburgh, Department of Linguistics MSc speech and language processing.
- Nivre, Joakim. 2003. An efficient algorithm for projective dependency parsing. In ?.
- Nolda, Andreas. 2007. *Die Thema-Integration: Syntax und Semantik der gespaltenen Topikalisierung im Deutschen* (Studien zur deutschen Grammatik 72). Tübingen: Stauffenburg Verlag.
- Noonan, Michael. 1994. A tale of two passives in Irish. In Barbara Fox & Paul J. Hopper (eds.), *Voice: Form and function* (Typological Studies in Language 27), 279–311. Amsterdam: John Benjamins Publishing Co.
- van Noord, Gertjan (ed.). 2003. *Proceedings of the 8th International Workshop on Parsing Technologies (IWPT 03)*. Nancy.
- van Noord, Gertjan & Gosse Bouma. 1994. The scope of adjuncts and the processing of lexical rules. In ? 250–256.
- Nordgård, Torbjørn. 1994. E-Parser: An implementation of a deterministic GB-related parsing system. *Computers and the Humanities* 28(4–5). 259–272.
- Nordlinger, Rachel. 1998. *Constructive case: Evidence from Australia* (Dissertations in Linguistics). Stanford, CA: CSLI Publications.
- Nowak, Martin A., Natalia L. Komarova & Partha Niyogi. 2001. Evolution of Universal Grammar. *Science* 291(5501). 114–118.
- Nozohoor-Farshi, R. 1986. On formalizations of Marcus' parser. In ? 533–535.



- Nozohoor-Farshi, R. 1987. Context-freeness of the language accepted by Marcus' parser. In ? 117–122.
- Nunberg, Geoffrey. 1995. Transfers of meaning. *Journal of Semantics* 12(2). 109–132.
- Nunberg, Geoffrey, Ivan A. Sag & Thomas Wasow. 1994. Idioms. *Language* 70(3). 491–538.
- Nunes, Jairo. 2004. *Linearization of chains and Sideward Movement* (Linguistic Inquiry Monographs 43). Cambridge, MA/London, England: MIT Press.
- Ochs, Elinor. 1982. Talking to children in Western Samoa. *Language and Society* 11(1). 77–104.
- Ochs, Elinor & Bambi B. Schieffelin. 1985. Language acquisition and socialization: Three developmental stories. In Richard A. Shweder & Robert A. Levine (eds.), *Culture theory: Essays in mind, self and emotion*, 276–320. Cambridge, UK: Cambridge University Press.
- O'Donovan, Ruth, Michael Burke, Aoife Cahill, Josef van Genabith & Andy Way. 2005. Large-scale induction and evaluation of lexical resources from the Penn-II and Penn-III Treebanks. *Computational Linguistics* 31(3). 328–365.
- Oehrle, Richard, Emmon Bach & Deirdre Wheeler (eds.). 1988. *Categorial Grammars and natural language structures*. Dordrecht: D. Reidel Publishing Company.
- Oepen, Stephan & Daniel P. Flickinger. 1998. Towards systematic grammar profiling: Test suite technology ten years after. *Journal of Computer Speech and Language* 12(4). 411–436. <http://www.delph-in.net/itsdb/publications/profiling.ps.gz>. (Special Issue on Evaluation).
- Özkaragöz, İnci. 1986. Monoclausal double passives in Turkish. In Dan I. Slobin & Karl Zimmer (eds.), *Studies in Turkish linguistics* (Typological Studies in Language 8), 77–91. Amsterdam: John Benjamins Publishing Co.
- Oliva, Karel. 1992. Word order constraints in binary branching syntactic structures. CLAUS-Report 20 Universität des Saarlandes Saarbrücken.
- Oliva, Karel. 2003. Dependency, valency and Head-Driven Phrase-Structure Grammar. In ? 660–668.
- O'Neill, Michael & Randall Wood. 2012. The grammar of happiness. Essential Media & Entertainment / Smithsonian Networks. <https://www.youtube.com/watch?v=er2VAk4uXUs#t=1519>.
- Oppenrieder, Wilhelm. 1991. *Von Subjekten, Sätzen und Subjektsätzen* (Linguistische Arbeiten 241). Tübingen: Max Niemeyer Verlag.
- Orgun, Cemil Orhan. 1996. *Sign-based morphology and phonology*: University of California, Berkeley dissertation.
- Osborne, Miles & Ted J. Briscoe. 1997. Learning Stochastic Categorial Grammars. In T. Mark Ellison (ed.), *CoNLL97: Computational Natural Language Learning: Proceedings of the 1997 meeting of the ACL Special Interest Group in Natural Language Learning*, 80–87. Madrid: Association for Computational Linguistics. <http://www.aclweb.org/anthology-new/signll.html#1997-0>.
- Osborne, Timothy. 2014. Dependency Grammar. In ? 604–626.
- Osborne, Timothy. 2016. Ellipsis in Dependency Grammar. In Jeroen van Craenenbroek (ed.), *Oxford handbook of ellipsis*, Oxford: Oxford University Press. To appear.

- Osborne, Timothy & Thomas M. Groß. 2012. Constructions are catenae: Construction Grammar meets Dependency Grammar. *Cognitive Linguistics* 23(1). 165–216.
- Osborne, Timothy & Sylvain Kahane. 2015. Translators' introduction. In *Elements of structural syntax*, xxix–lxxiii. Amsterdam: John Benjamins Publishing Co. Translated by Timothy Osborne and Sylvain Kahane.
- Osborne, Timothy, Michael Putnam & Thomas M. Groß. 2011. Bare Phrase Structure, label-less trees, and specifier-less syntax: Is Minimalism becoming a Dependency Grammar? *The Linguistic Review* 28(3). 315–364.
- Osenova, Petya. 2010a. Bulgarian Resource Grammar – efficient and realistic (BURGER). Tech. rep. LingoLab, CSLI Stanford. <http://www.bultreebank.org/BURGER/BURGER3.pdf>.
- Osenova, Petya. 2010b. *Bulgarian Resource Grammar: Modeling Bulgarian in HPSG*. Saarbrücken: VDM Verlag Dr. Müller.
- Osenova, Petya. 2011. Localizing a core HPSG-based grammar for Bulgarian. In ? 175–182.
- Ott, Dennis. 2011. A note on free relative clauses in the theory of Phases. *Linguistic Inquiry* 42(1). 183–192.
- Ørsnes, Bjarne. 1995. *The derivation and compounding of complex event nominals in Modern Danish: An HPSG approach with an implementation in Prolog*: University of Copenhagen dissertation.
- Ørsnes, Bjarne. 2002. Case marking and subject extraction in Danish. In Miriam Butt & Tracy Holloway King (eds.), *Proceedings of the LFG 2002 conference*, 333–353. Stanford, CA: CSLI Publications. <http://csli-publications.stanford.edu/LFG/7/>.
- Ørsnes, Bjarne. 2009a. Das Verbalfeldmodell: Ein Stellungsfeldermodell für den kontrastiven DaF-Unterricht. *Deutsch als Fremdsprache* 46(3). 143–149.
- Ørsnes, Bjarne. 2009b. Preposed negation in Danish. In ? 255–275.
- Ørsnes, Bjarne & Jürgen Wedekind. 2003. Parallele datamatiske grammatikker for Norsk og Dansk [parallel computational grammars for Norwegian and Danish]. In Henrik Holmboe (ed.), *Årbog for nordisk sprogteknologisk forskningsprogram 2000–2004*, 113–130. Kopenhagen: Museum Tusculanums Forlag.
- Ørsnes, Bjarne & Jürgen Wedekind. 2004. Parallele datamatiske grammatikker for Norsk og Dansk: Analyse og disambiguering af modalverber [parallel computational grammars for Norwegian and Danish: Analysis and disambiguation of modal verbs]. In Henrik Holmboe (ed.), *Årbog for Nordisk Sprogteknologisk forskningsprogram 2000–2004*, 165–182. Kopenhagen: Museum Tusculanums Forlag.
- Pafel, Jürgen. 1993. Ein Überblick über die Extraktion aus Nominalphrasen im Deutschen. In Franz-Josef d'Avis, Sigrid Beck, Uli Lutz, Jürgen Pafel & Susanne Trissler (eds.), *Extraktion im Deutschen I* (Arbeitspapiere des SFB 340 No. 34), 191–245. Tübingen: Eberhard-Karls-Universität Tübingen.
- Paggio, Patrizia. 2005. Representing information structure in a formal grammar of Danish. In *Proceedings of the 2nd International Workshop on Logic and Engineering of Natural Language Semantics (LENLS2005)*. Kitakyushu, Japan. June 13–14, .

- Parmentier, Yannick, Laura Kallmeyer, Wolfgang Maier, Timm Lichte & Johannes Dellert. 2008. TuLiPA: A syntax-semantics parsing environment for mildly context-sensitive formalisms. In *Proceedings of the Ninth International Workshop on Tree Adjoining Grammars and Related Formalisms (TAG+9)*, 121–128. Tübingen. <http://www.sfs.uni-tuebingen.de/~lk/papers/tag+9-parmentier-et-al.pdf>.
- Partee, Barbara H. 1987. Noun phrase interpretation and type-shifting principles. In Jeroen A. G. Groenendijk, Dick de Jongh & Martin J. B. Stokhof (eds.), *Studies in Discourse Representation Theory and the theory of generalized quantifiers*, 115–143. Dordrecht: Foris Publications.
- Patejuk, Agnieszka & Adam Przepiórkowski. 2012. Towards an LFG parser for Polish: An exercise in parasitic grammar development. In *Proceedings of the Eighth International Conference on Language Resources and Evaluation, LREC 2012*, 3849–3852. Istanbul, Turkey: ELRA.
- Paul, Hermann. 1919. *Deutsche Grammatik. Teil IV: Syntax*, vol. 3. Halle an der Saale: Max Niemeyer Verlag. 2nd unchanged edition 1968, Tübingen: Max Niemeyer Verlag.
- Paul, Soma. 2004. *An HPSG account of Bangla compound verbs with LKB implementation*. Hyderabad, India: CALTS, University of Hyderabad, India dissertation.
- Peeters, Bert (ed.). 2000. *The lexicon–encyclopedia interface*. Amsterdam: Elsevier.
- Penn, Gerald. 2004. Balancing clarity and efficiency in typed feature logic through delaying. In Donia Scott (ed.), *Proceedings of the 42nd Meeting of the Association for Computational Linguistics (ACL'04), main volume*, 239–246. Barcelona, Spain.
- Penn, Gerald & Bob Carpenter. 1999. ALE for speech: A translation prototype. In Géza Gordos (ed.), *Proceedings of the 6th Conference on Speech Communication and Technology (EUROSPEECH)*, Budapest, Hungary.
- Perlmutter, David M. 1978. Impersonal passives and the Unaccusative Hypothesis. In *Proceedings of the 4th Annual Meeting of the Berkeley Linguistics Society*, 157–189. Berkeley Linguistic Society.
- Perlmutter, David M. (ed.). 1983. *Studies in relational grammar*, vol. 1. Chicago: The University of Chicago Press.
- Perlmutter, David M. (ed.). 1984. *Studies in relational grammar*, vol. 2. Chicago: The University of Chicago Press.
- Perlmutter, David M. & John Robert Ross. 1970. Relative clauses with split antecedents. *Linguistic Inquiry* 1(3). 350.
- Pesetsky, David. 1996. *Zero syntax: Experiencers and cascades*. Cambridge, MA: MIT Press.
- Peters, Stanley & R. W. Ritchie. 1973. On the generative power of Transformational Grammar. *Information Sciences* 6(C). 49–83.
- Petrick, Stanley Roy. 1965. *A recognition procedure for Transformational Grammars*: Massachusetts Institute of Technology. Dept. of Modern Languages dissertation. <http://hdl.handle.net/1721.1/13013>.
- Phillips, Colin. 2003. Linear order and constituency. *Linguistic Inquiry* 34(1). 37–90.
- Phillips, John D. 1992. A computational representation for Generalised Phrase Structure Grammars. *Linguistics and Philosophy* 15(3). 255–287.

- Phillips, John D. & Henry S. Thompson. 1985. GPSGP – A parser for Generalized Phrase Structure Grammar. *Linguistics* 23(2). 245–261.
- Piattelli-Palmarini, Massimo (ed.). 1980. *Language and learning: The debate between Jean Piaget and Noam Chomsky*. Cambridge: Harvard University Press.
- Pickering, Martin & Guy Barry. 1993. Dependency Categorical Grammar and coordination. *Linguistics* 31(5). 855–902.
- Pienemann, Manfred. 2005. An introduction to Processability Theory. In Manfred Pienemann (ed.), *Cross-linguistic aspects of processability theory*, 1–60. Amsterdam: John Benjamins Publishing Co.
- Piñango, Maria Mercedes, Jennifer Mack & Ray S. Jackendoff. 2006. Semantic combinatorial processes in argument structure: Evidence from light-verbs. In *Proceedings of the 32nd Annual Meeting of the Berkeley Linguistics Society: Theoretical approaches to argument structure*, vol. 32, Berkeley, CA: BLS.
- Pineda, Luis Alberto & Iván V. Meza. 2005a. A computational model of the Spanish clitic system. In Alexander Gelbukh (ed.), *Computational linguistics and intelligent language processing*, 73–82. Berlin: Springer Verlag.
- Pineda, Luis Alberto & Iván V. Meza. 2005b. The Spanish pronominal clitic system. *Procesamiento del Lenguaje Natural* 34. 67–103.
- Pinker, Steven. 1984. *Learnability and cognition: The acquisition of argument structure*. London/Cambridge, MA: MIT Press.
- Pinker, Steven. 1994. *The language instinct: How the mind creates language*. New York: William Morrow.
- Pinker, Steven & Ray S. Jackendoff. 2005. The faculty of language: What's special about it? *Cognition* 95(2). 201–236.
- Piñón, Christopher (ed.). 2012. *Empirical issues in syntax and semantics*, vol. 9. Paris: CNRS.
- Pittner, Karin. 1995. Regeln für die Bildung von freien Relativsätzen: Eine Antwort an Oddleif Leirbukt. *Deutsch als Fremdsprache* 32(4). 195–200.
- Plank, Frans & Elena Filimonova. 2000. The universals archive: A brief introduction for prospective users. *Sprachtypologie und Universalienforschung* 53(1). 109–123.
- Poletto, Cecilia. 2000. *The higher functional field: Evidence from Northern Italian Dialects*. Oxford: Oxford University Press.
- Pollard, Carl J. 1984. *Generalized Phrase Structure Grammars, Head Grammars, and natural language*: Stanford University dissertation.
- Pollard, Carl J. 1988. Categorical Grammar and Phrase Structure Grammar: An excursion on the syntax-semantics frontier. In ? 391–415.
- Pollard, Carl J. 1994. Toward a unified account of passive in German. In ? 273–296.
- Pollard, Carl J. 1996a. The nature of constraint-based grammar. Paper presented at the Pacific Asia Conference on Language, Information, and Computation, Kyung Hee University, Seoul, Korea. <http://lingo.stanford.edu/sag/L221a/pollard-96.txt>.
- Pollard, Carl J. 1996b. On head non-movement. In Harry Bunt & Arthur van Horck (eds.), *Discontinuous constituency* (Natural Language Processing 6), 279–305. Berlin: Mouton de Gruyter. Published version of a Ms. dated January 1990.

## Bibliography

- Pollard, Carl J. 1999. Strong generative capacity in HPSG. In ? 281–298.
- Pollard, Carl J. & Andrew M. Moshier. 1990. Unifying partial descriptions of sets. In Philip P. Hanson (ed.), *Information, language and cognition* (Vancouver Studies in Cognitive Science 1), 285–322. Vancouver: University of British Columbia Press.
- Pollard, Carl J. & Ivan A. Sag. 1987. *Information-based syntax and semantics* (CSLI Lecture Notes 13). Stanford, CA: CSLI Publications.
- Pollard, Carl J. & Ivan A. Sag. 1992. Anaphors in English and the scope of Binding Theory. *Linguistic Inquiry* 23(2). 261–303.
- Pollard, Carl J. & Ivan A. Sag. 1994. *Head-Driven Phrase Structure Grammar* (Studies in Contemporary Linguistics). Chicago: The University of Chicago Press.
- Pollock, Jean-Yves. 1989. Verb movement, Universal Grammar and the structure of IP. *Linguistic Inquiry* 20(3). 365–424.
- Popowich, Fred & Carl Vogel. 1991. A logic based implementation of Head-Driven Phrase Structure Grammar. In Charles Grant Brown & Gregers Koch (eds.), *Natural Language Understanding and Logic Programming, III. The 3rd International Workshop, Stockholm, Sweden, 23–25 Jan., 1991*, 227–246. Amsterdam: Elsevier, North-Holland.
- Porzel, Robert, Vanessa Micelli, Hidir Aras & Hans-Peter Zorn. 2006. Tying the knot: Ground entities, descriptions and information objects for Construction-based information extraction. In *Proceedings of the OntoLex Workshop at LREC, May 2006. Genoa, Italy*, 35–40.
- Postal, Paul M. 2004. *Skeptical linguistic essays*. Oxford: Oxford University Press.
- Postal, Paul M. 2009. The incoherence of Chomsky’s ‘Biolinguistic’ ontology. *Biolinguistics* 3(1). 104–123.
- Postal, Paul M. & Geoffrey K. Pullum. 1986. Misgovernment. *Linguistic Inquiry* 17(1). 104–110.
- Prince, Alan & Paul Smolensky. 1993. Optimality Theory: Constraint interaction in Generative Grammar. RuCCS Technical Report 2 Center for Cognitive Science, Rutgers University, Piscataway, N.J., and Computer Science Department, University of Colorado, Boulder. <http://roa.rutgers.edu/files/537-0802/537-0802-PRINCE-0-0.PDF>.
- Przepiórkowski, Adam. 1999a. *Case assignment and the complement-adjunct dichotomy: A non-configurational constraint-based approach*: Eberhard-Karls-Universität Tübingen dissertation. <https://publikationen.uni-tuebingen.de/xmlui/handle/10900/46147>.
- Przepiórkowski, Adam. 1999b. On case assignment and “adjuncts as complements”. In ? 231–245.
- Przepiórkowski, Adam & Anna Kupść. 2006. HPSG for Slavicists. *Glossos* 8. 1–68.
- Przepiórkowski, Adam, Anna Kupść, Małgorzata Marciniak & Agnieszka Mykowiecka. 2002. *Formalny opis języka polskiego: Teoria i implementacja*. Warsaw: Akademicka Oficyna Wydawnicza EXIT.
- Pullum, Geoffrey K. 1977. Word order universals and grammatical relations. In Peter Cole & Jerrold M. Sadock (eds.), *Grammatical relations* (Syntax and Semantics 8), 249–277. New York, San Francisco, London: Academic Press.

- Pullum, Geoffrey K. 1982. Free word order and phrase structure rules. In James Pustejovsky & Peter Sells (eds.), *Proceedings of the 12th Annual Meeting of the Northeast Linguistic Society*, 209–220. Amherst: Graduate Linguistics Student Association.
- Pullum, Geoffrey K. 1983. How many possible human languages are there? *Linguistic Inquiry* 14(3). 447–467.
- Pullum, Geoffrey K. 1984. Stalking the perfect journal. *Natural Language and Linguistic Theory* 2(2). 261–267.
- Pullum, Geoffrey K. 1985. Assuming some version of X-bar Theory. In *Papers from the 21st Annual Meeting of the Chicago Linguistic Society*, 323–353.
- Pullum, Geoffrey K. 1986. Footloose and context-free. *Natural Language and Linguistic Theory* 4(3). 409–414.
- Pullum, Geoffrey K. 1988. Citation etiquette beyond thunderdome. *Natural Language and Linguistic Theory* 6(4). 579–588.
- Pullum, Geoffrey K. 1989a. Formal linguistics meets the Boojum. *Natural Language and Linguistic Theory* 7(1). 137–143. DOI:10.1007/BF00141350.
- Pullum, Geoffrey K. 1989b. The incident of the node vortex problem. *Natural Language and Linguistic Theory* 7(3). 473–479.
- Pullum, Geoffrey K. 1991. *The great Eskimo vocabulary hoax and other irreverent essays on the study of language*. Chicago: The University of Chicago Press.
- Pullum, Geoffrey K. 1996. Learnability, hyperlearning, and the Poverty of the Stimulus. In J. Johnson, M. L. Juge & J. L. Moxley (eds.), *Proceedings of the 22nd Annual Meeting of the Berkeley Linguistics Society: General session and parasession on the role of learnability in grammatical theory*, 498–513. Berkeley, CA: Berkeley Linguistic Society. <http://users.ecs.soton.ac.uk/harnad/Papers/Py104/pullum.learn.html>.
- Pullum, Geoffrey K. 2003. Learnability: Mathematical aspects. In William J. Frawley (ed.), *Oxford international encyclopedia of linguistics*, 431–434. Oxford: Oxford University Press 2nd edn.
- Pullum, Geoffrey K. 2007. The evolution of model-theoretic frameworks in linguistics. In ? 1–10.
- Pullum, Geoffrey K. 2009. Response to Anderson. *Language* 85(2). 245–247.
- Pullum, Geoffrey K. 2013. The central question in comparative syntactic metatheory. *Mind and Language* 28(4). 492–521.
- Pullum, Geoffrey K. & Barbara C. Scholz. 2001. On the distinction between Generative-Enumerative and Model-Theoretic syntactic frameworks. In Philippe de Groote, Glyn Morrill & Christian Retor (eds.), *Logical Aspects of Computational Linguistics: 4th International Conference* (Lecture Notes in Computer Science 2099), 17–43. Berlin: Springer Verlag.
- Pullum, Geoffrey K. & Barbara C. Scholz. 2002. Empirical assessment of stimulus poverty arguments. *The Linguistic Review* 19(1–2). 9–50.
- Pullum, Geoffrey K. & Barbara C. Scholz. 2010. Recursion and the infinitude claim. In ? 113–138.
- Pulman, Stephen G. 1985. A parser that doesn't. In ? 128–135. <http://aclweb.org/anthology/E/E85/>.

- Pulvermüller, Friedemann. 2003. *The neuroscience of language: On brain circuits of words and serial order*. Cambridge, UK: Cambridge University Press.
- Pulvermüller, Friedemann. 2010. Brain embodiment of syntax and grammar: Discrete combinatorial mechanisms spelt out in neuronal circuits. *Brain & Language* 112(3). 167–179.
- Pulvermüller, Friedemann, Bert Cappelle & Yury Shtyrov. 2013. Brain basis of meaning, words, constructions, and grammar. In ? 397–416.
- Quaglia, Stefano. 2014. On the syntax of some apparent spatial particles in Italian. In ? 503–523.
- Radford, Andrew. 1990. *Syntactic theory and the acquisition of English syntax*. Cambridge, MA: Blackwell Publishing Ltd.
- Radford, Andrew. 1997. *Syntactic theory and the structure of English: A Minimalist approach* (Cambridge Textbooks in Linguistics). Cambridge, UK: Cambridge University Press.
- Rákosi, György, Tibor Laczkó & Gábor Csernyi. 2011. On English phrasal verbs and their Hungarian counterparts: From the perspective of a computational linguistic project. *Argumentum* 7. 80–89.
- Rambow, Owen. 1994. *Formal and computational aspects of natural language syntax*: University of Pennsylvania dissertation.
- Ramchand, Gillian. 2005. Post-Davidsonianism. *Theoretical Linguistics* 31(3). 359–373.
- Randriamasimanana, Charles. 2006. Simple sentences in Malagasy. In Henry Y. Chang, Lillian M. Huang & Dah ah Ho (eds.), *Streams converging into an ocean: Festschrift in honor of Professor Paul Jen-kuei Li on his 70th birthday*, 71–96. Taipei, Taiwan: Institute of Linguistics, Academia Sinica.
- Raposo, Eduardo & Juan Uriagereka. 1990. Long-distance case assignment. *Linguistic Inquiry* 21(4). 505–537.
- Rappaport, Malka. 1983. On the nature of derived nominals. In ? 113–42.
- Rauh, Gisa. 2013. Linguistic categories and the syntax-semantics interface: Evaluating competing approaches. Ms. Universität Wuppertal.
- Reape, Mike. 1991. Word order variation in Germanic and parsing. DYANA Report Deliverable R1.1.C University of Edinburgh.
- Reape, Mike. 1992. *A formal theory of word order: A case study in West Germanic*: University of Edinburgh dissertation.
- Reape, Mike. 1994. Domain union and word order variation in German. In ? 151–198.
- Reape, Mike. 2000. Formalisation and abstraction in linguistic theory II: Toward a radical Linearisation Theory of German. unpublished paper.
- Redington, Martin, Nick Chater & Steven Finch. 1998. Distributional information: A powerful cue for acquiring syntactic categories. *Cognitive Science* 22(4). 425–469.
- Reis, Marga. 1974. Syntaktische Hauptsatzprivilegien und das Problem der deutschen Wortstellung. *Zeitschrift für Germanistische Linguistik* 2(3). 299–327.
- Reis, Marga. 1980. On justifying topological frames: ‘Positional field’ and the order of nonverbal constituents in German. *Documentation et Recherche en Linguistique Allemande Contemporaine* 22/23. 59–85.

- Reis, Marga. 1982. Zum Subjektbegriff im Deutschen. In ? 171–211.
- Remberger, Eva-Maria. 2009. Null subjects, expletives and locatives in Sardinian. In Georg A. Kaiser & Eva-Maria Remberger (eds.), *Proceedings of the workshop Null-Subjects, Expletives, and Locatives in Romance* (Arbeitspapier 123), 231–261. Konstanz: Fachbereich Sprachwissenschaft, Universität Konstanz.
- Resnik, Philip. 1992. Probabilistic Tree-Adjoining Grammar as a framework for statistical natural language processing. In ? 418–424.
- Reyle, Uwe. 1993. Dealing with ambiguities by underspecification: Construction, representation and deduction. *Journal of Semantics* 10(2). 123–179.
- Richards, Marc. 2015. Minimalism. In ? 803–839.
- Richter, Frank. 2004. *A mathematical formalism for linguistic theories with an application in Head-Driven Phrase Structure Grammar*: Eberhard-Karls-Universität Tübingen Phil. Dissertation (2000). <https://publikationen.uni-tuebingen.de/xmlui/handle/10900/46230>.
- Richter, Frank. 2007. Closer to the truth: A new model theory for HPSG. In ? 101–110.
- Richter, Frank & Manfred Sailer. 1999a. A lexicalist collocation analysis of sentential negation in French. In ? 231–300.
- Richter, Frank & Manfred Sailer. 1999b. Lexicalizing the left periphery of German finite sentences. In ? 116–154.
- Richter, Frank & Manfred Sailer. 2004. Basic concepts of lexical resource semantics. In Arnold Beckmann & Norbert Preining (eds.), *ESSLLI 2003 – Course material I* (Collegium Logicum 5), 87–143. Wien: Kurt Gödel Society.
- Richter, Frank & Manfred Sailer. 2009. Phraseological clauses as Constructions in HPSG. In ? 297–317.
- Riehemann, Susanne. 1993. *Word formation in lexical type hierarchies: A case study of bar-adjectives in German*. Eberhard-Karls-Universität Tübingen MA thesis. Also published as SfS-Report-02-93, Seminar für Sprachwissenschaft, University of Tübingen.
- Riehemann, Susanne Z. 1998. Type-based derivational morphology. *Journal of Comparative Germanic Linguistics* 2(1). 49–77.
- Riemsdijk, Henk van. 1978. *A case study in syntactic markedness: The binding nature of prepositional phrases*. Lisse: The Peter de Ridder Press.
- Riezler, Stefan, Tracy Holloway King, Ronald M. Kaplan, Richard Crouch, John T. Maxwell III & Mark Johnson. 2002. Parsing the Wall Street Journal using a Lexical-Functional Grammar and discriminative estimation techniques. In ? 271–278. <http://aclanthology.info/events/acl-2002>.
- Rizzi, Luigi. 1982. Violations of the *wh* island constraint and the Subjacency Condition. In Luigi Rizzi (ed.), *Issues in Italian syntax* (Studies in Generative Grammar 11), 49–76. Dordrecht: Foris Publications.
- Rizzi, Luigi. 1986. Null objects in Italian and the theory of *pro*. *Linguistic Inquiry* 17(3). 501–577.
- Rizzi, Luigi. 1997. The fine structure of the left periphery. In Liliane Haegeman (ed.), *Elements of grammar*, 281–337. Dordrecht: Kluwer Academic Publishers.



- Rizzi, Luigi. 2009a. The discovery of language invariance and variation, and its relevance for the cognitive sciences. *The Behavioral and Brain Sciences* 32(5). 467–468.
- Rizzi, Luigi. 2009b. Language variation and universals: Some notes on N. Evans and S. C. Levinson (2009) “The myth of language universals: Language diversity and its importance for cognitive science”. In Paola Cotticelli-Kurras & Alessandra Tomaselli (eds.), *La Grammatica tra storia e teoria. Studi in onore di Giorgio Graffi*, 153–162. Alessandra: Edizioni dell’Orso.
- Roberts, Ian F. & Anders Holmberg. 2005. On the role of parameters in Universal Grammar: A reply to Newmeyer. In Hans Broekhuis, N. Corver, Riny Huybregts, Ursula Kleinhenz & Jan Koster (eds.), *Organizing grammar: Linguistic studies in honor of Henk van Riemsdijk* (Studies in Generative Grammar 86), 538–553. Berlin: Mouton de Gruyter.
- Robins, Robert Henry. 1997. *A short history of linguistics* (Longman Linguistics Library). London: Routledge 4th edn.
- Rogers, James. 1994. Obtaining trees from their descriptions: An application to Tree-Adjoining Grammars. *Computational Intelligence* 10(4). 401–421.
- Rogers, James. 1997. “Grammarless” Phrase Structure Grammar. *Linguistics and Philosophy* 20. 721–746.
- Rogers, James. 1998. *A descriptive approach to language-theoretic complexity* (Studies in Logic, Language and Information). Stanford, CA: CSLI Publications.
- Rogers, James & Stephan Kepser (eds.). 2007. *Model-theoretic syntax at 10 – Proceedings of the ESSLLI 2007 MTS@10 Workshop, August 13–17*. Dublin: Trinity College Dublin.
- Rohrer, Christian. 1996. Fakultativ kohärente Infinitkonstruktionen im Deutschen und deren Behandlung in der Lexikalisch Funktionalen Grammatik. In Gisela Harras & Manfred Bierwisch (eds.), *Wenn die Semantik arbeitet: Klaus Baumgärtner zum 65. Geburtstag*, 89–108. Tübingen: Max Niemeyer Verlag.
- Rohrer, Christian & Martin Forst. 2006. Improving coverage and parsing quality of a large-scale LFG for German. In *Proceedings of the Language Resources and Evaluation Conference (LREC-2006)*, Genoa, Italy.
- Ross, John Robert. 1967. *Constraints on variables in syntax*: MIT dissertation. <http://files.eric.ed.gov/fulltext/ED016965.pdf>. Reproduced by the Indiana University Linguistics Club and later published as ?.
- Ross, John Robert. 1986. *Infinite syntax!* Norwood, New Jersey: Ablex Publishing Corporation.
- Rothkegel, Annely. 1976. *Valenzgrammatik* (Linguistische Arbeiten 19). Saarbrücken, Germany: Sonderforschungsbereich Elektronische Sprachforschung, Universität des Saarlandes.
- Sabel, Joachim. 1999. Das Passiv im Deutschen: Derivationale Ökonomie vs. optionale Bewegung. *Linguistische Berichte* 177. 87–112.
- Sáfár, Éva & John Glauert. 2010. Sign Language HPSG. In *Proceedings of the 4th Workshop on the Representation and Processing of Sign Languages: Corpora and Sign Language Technologies, LREC 2010, 22–23 May 2010, Malta*, 204–207.

- Sáfár, Éva & Ian Marshall. 2002. Sign language translation via DRT and HPSG. In Alexander Gelbukh (ed.), *Computational linguistics and intelligent text processing: Third International Conference, CICLing 2002 Mexico City, Mexico, February 17–23, 2002 Proceedings* (Lecture Notes in Computer Science 2276), 58–68. Berlin: Springer Verlag.
- Sag, Ivan A. 1997. English relative clause constructions. *Journal of Linguistics* 33(2). 431–484.
- Sag, Ivan A. 2000. Another argument against *Wh*-trace. Jorge Hankamer Webfest. <http://ling.ucsc.edu/Jorge/sag.html>.
- Sag, Ivan A. 2007. Remarks on locality. In ? 394–414. <http://csli-publications.stanford.edu/HPSG/2007/>.
- Sag, Ivan A. 2010. English filler-gap constructions. *Language* 86(3). 486–545.
- Sag, Ivan A. 2012. Sign-Based Construction Grammar: An informal synopsis. In ? 69–202.
- Sag, Ivan A., Hans C. Boas & Paul Kay. 2012. Introducing Sign-Based Construction Grammar. In ? 1–29.
- Sag, Ivan A., Philip Hofmeister & Neal Snider. 2007. Processing complexity in subjacency violations: The Complex Noun Phrase Constraint. In Malcolm Elliott, James Kirby, Osamu Sawada, Eleni Staraki & Suwon Yoon (eds.), *Proceedings of the 43rd Annual Meeting of the Chicago Linguistic Society*, 215–229. Chicago: Chicago Linguistic Society.
- Sag, Ivan A. & Carl J. Pollard. 1991. An integrated theory of complement control. *Language* 67(1). 63–113.
- Sag, Ivan A. & Thomas Wasow. 2011. Performance-compatible competence grammar. In ? 359–377.
- Sag, Ivan A., Thomas Wasow & Emily M. Bender. 2003. *Syntactic theory: A formal introduction* (CSLI Lecture Notes 152). Stanford, CA: CSLI Publications 2nd edn.
- Sag, Ivan A. & Tom Wasow. 2015. Flexible processing and the design of grammar. *Journal of Psycholinguistic Research* 44(1). 47–63.
- Sailer, Manfred. 2000. *Combinatorial semantics and idiomatic expressions in Head-Driven Phrase Structure Grammar*: Eberhard-Karls-Universität Tübingen Dissertation. <https://publikationen.uni-tuebingen.de/xmlui/handle/10900/46191>.
- Samarin, William J. 1984. Socioprogrammed linguistics. *The Behavioral and Brain Sciences* 7(2). 206–207.
- Sampson, Geoffrey. 1989. Language acquisition: Growth or learning? *Philosophical Papers* 18(3). 203–240.
- Samvelian, Pollet. 2007. A (phrasal) affix analysis of the Persian Ezafe. *Journal of Linguistics* 43. 605–645.
- Sarkar, Anoop & Aravind K. Joshi. 1996. Coordination in Tree Adjoining Grammars: Formalization and implementation. In ? 610–615.
- Sato, Yo. 2006. Constrained free word order parsing with Lexicalised Linearisation Grammar. In *Proceedings of 9th Annual CLUK Research Colloquium*, Open University, UK.
- Sato, Yo. 2008. *Implementing Head-Driven Linearisation Grammar*: King's College London dissertation.

- Sauerland, Uli & Paul Elbourne. 2002. Total reconstruction, PF movement, and derivational order. *Linguistic Inquiry* 33(2). 283–319.
- Sauerland, Uli & Hans-Martin Gärtner (eds.). 2007. *Interfaces + recursion = language? Chomsky's Minimalism and the view from syntax-semantics* (Studies in Generative Grammar 89). Berlin: Mouton de Gruyter.
- Savin, Harris B. & Ellen Perchonock. 1965. Grammatical structure and the immediate recall of English sentences. *Journal of Verbal Learning and Verbal Behavior* 4(5). 348–353.
- Schein, Barry. 1993. *Plurals and events* (Current Studies in Linguistics 23). Cambridge, MA: MIT Press.
- Scherpenisse, Wim. 1986. *The connection between base structure and linearization restrictions in German and Dutch* (Europäische Hochschulschriften, Reihe XXI, Linguistik 47). Frankfurt/M.: Peter Lang.
- Schluter, Natalie & Josef van Genabith. 2009. Dependency parsing resources for French: Converting acquired Lexical Functional Grammar f-structure annotations and parsing f-structures directly. In Kristiina Jokinen & Eckhard Bick (eds.), *Nodalida 2009 conference proceedings*, 166–173.
- Schmidt, Paul, Sibylle Rieder & Axel Theofilidis. 1996a. Final documentation of the German LS-GRAM lingware. Deliverable DC-WP6e (German) IAI Saarbrücken.
- Schmidt, Paul, Axel Theofilidis, Sibylle Rieder & Thierry Declerck. 1996b. Lean formalisms, linguistic theory, and applications: Grammar development in ALEP. In ? 286–291. DOI:10.3115/992628.992679.
- Scholz, Barbara C. & Geoffrey K. Pullum. 2002. Searching for arguments to support linguistic nativism. *The Linguistic Review* 19(1–2). 185–223.
- Schubert, K. 1987. *Metataxis: Contrastive Dependency Syntax for machine translation*. Dordrecht: Foris Publications.
- Schumacher, Helmut, Jacqueline Kubczak, Renate Schmidt & Vera de Ruiter. 2004. *VALBU – Valenzwörterbuch deutscher Verben*. Tübingen: Gunter Narr Verlag.
- Schütz, Jörg. 1996. The ALEP formalism in a nutshell. Tech. rep. IAI Saarbrücken. <http://www.iai-sb.de/docs/alep-nutshell.pdf>.
- Schwarze, Christoph & Leonel de Alencar. 2016. *Lexikalisch-funktionale Grammatik: Eine Einführung am Beispiel des Französischen, mit computerlinguistischer Implementierung* (Stauffenburg Einführungen 30). Tübingen: Stauffenburg Verlag.
- Seiss, Melanie & Rachel Nordlinger. 2012. An electronic dictionary and translation system for Murrinh-Patha. *The EUROCALL Review: Proceedings of the EUROCALL 2011 Conference* 20(1). 135–138.
- Sengupta, Probal & B. B. Chaudhuri. 1997. A delayed syntactic-encoding-based LFG parsing strategy for an Indian language—Bangla. *Computational Linguistics* 23(2). 345–351.
- Seuren, Pieter A. M. 1984. The Bioprogram Hypothesis: Facts and fancy. *The Behavioral and Brain Sciences* 7(2). 208–209.
- Seuren, Pieter A. M. 2004. *Chomsky's Minimalism*. Oxford: Oxford University Press.
- Shieber, Stuart M. 1985. Evidence against the context-freeness of natural language. *Linguistics and Philosophy* 8(3). 333–343.

- Shieber, Stuart M. 1986. *An introduction to unification-based approaches to grammar* (CSLI Lecture Notes 4). Stanford, CA: CSLI Publications.
- Shieber, Stuart M. & Mark Johnson. 1993. Variations on incremental interpretation. *Journal of Psycholinguistic Research* 22(2). 287–318.
- Shieber, Stuart M., Hans Uszkoreit, Fernando Pereira, Jane Robinson & Mabry Tyson. 1983. The formalism and implementation of PATR-II. In *Research on interactive acquisition and use of knowledge*, 39–79. Menlo Park, CA: Artificial Intelligence Center, SRI International.
- Shtyrov, Y., E. Pihko & F. Pulvermüller. 2005. Determinants of dominance: Is language laterality explained by physical or linguistic features of speech? *Neuroimage* 27(1). 37–47.
- Sidner, Candy (ed.). 1987. *25th Annual Meeting of the Association for Computational Linguistics*. Stanford, CA: Association for Computational Linguistics.
- Siegel, Melanie. 2000. HPSG analysis of Japanese. In ? 264–279.
- Siegel, Melanie & Emily M. Bender. 2002. Efficient deep processing of Japanese. In *Proceedings of the 3rd Workshop on Asian Language Resources and International Standardization at the 19th International Conference on Computational Linguistics*. Taipei, Taiwan, <http://www.aclweb.org/anthology-new/W/W02/W02-1210.pdf>.
- Simov, Kiril, Petya Osenova, Alexander Simov & Milen Kouylekov. 2004. Design and implementation of the Bulgarian HPSG-based treebank. *Research on Language and Computation* 2(4). 495–522.
- Simpson, Jane. 1983. Resultatives. In ? 143–157. Reprint: ?.
- Simpson, Jane. 2005. Depictives in English and Warlpiri. In Nikolaus P. Himmelmann & Eva Schultze-Berndt (eds.), *Secondary predication and adverbial modification: The typology of depictives*, 69–106. Oxford: Oxford University Press.
- Singleton, Jenny L. & Elissa L. Newport. 2004. When learners surpass their models: The acquisition of American Sign Language from inconsistent input. *Cognitive Psychology* 49(4). 370–407.
- Sleator, Daniel D. K. & Davy Temperley. 1991. Parsing English with a Link Grammar. CMU-CS-TR-91-126 School of Computer Science, Carnegie Mellon University.
- Smith, Carlota S. 1970. Jespersen's "move and change" class and causative verbs in English. In ? 101–109.
- Smith, Carlota S. 1972. On causative verbs and derived nominals in English. *Linguistic Inquiry* 3(1). 136–138.
- Snyder, William. 2001. On the nature of syntactic variation: Evidence from complex predicates and complex word-formation. *Language* 77(2). 324–342.
- Soehn, Jan-Philipp & Manfred Sailer. 2008. At first blush on tenterhooks: About selectional restrictions imposed by nonheads. In ? 149–161. <http://csli-publications.stanford.edu/FG/2003/soehn.pdf>.
- Somers, Harold & Mary McGee Wood (eds.). 1989. *Proceedings of the Fourth Conference of the European Chapter of the Association for Computational Linguistics*. Manchester, England: Association for Computational Linguistics.

- Son, Minjeong. 2007. Directionality and resultativity: The cross-linguistic correlation revisited. *Tromsø University Working Papers on Language & Linguistics* 34. 126–164. <http://hdl.handle.net/10037/3191>.
- Son, Minjeong & Peter Svenonius. 2008. Microparameters of cross-linguistic variation: Directed motion and resultatives. In Natasha Abner & Jason Bishop (eds.), *Proceedings of the 27th West Coast Conference on Formal Linguistics*, 388–396. Somerville, MA: Cascadilla Proceedings Project.
- Song, Sanghoun, Jong-Bok Kim, Francis Bond & Jaehyung Yang. 2010. Development of the Korean Resource Grammar: Towards grammar customization. In *Proceedings of the 8th Workshop on Asian Language Resources, Beijing, China, 21–22 August 2010*, 144–152. Asian Federation for Natural Language Processing.
- Sorace, Antonella. 2003. Near-nativeness. In Catherine J. Doughty & Michael H. Long (eds.), *The handbook of second language acquisition* (Blackwell Handbooks in Linguistics), 130–151. Oxford, UK/Cambridge, USA: Blackwell Publishing Ltd.
- Stabler, Edward P. 1987. Restricting logic grammars with Government-Binding Theory. *Computational Linguistics* 13(1–2). 1–10.
- Stabler, Edward P. 1991. Avoid the pedestrian’s paradox. In Robert C. Berwick, Steven P. Abney & Carol Tenny (eds.), *Principle-based parsing: Computation and psycholinguistics*, 199–237. Dordrecht: Kluwer Academic Publishers.
- Stabler, Edward P. 1992. *The logical approach to syntax: Foundations, specifications, and implementations of theories of Government and Binding* (ACL-MIT Press Series in Natural Language Processing). Cambridge, MA: MIT Press.
- Stabler, Edward P. 2001. Minimalist Grammars and recognition. In Christian Rohrer, Antje Rossdeutscher & Hans Kamp (eds.), *Linguistic form and its computation* (Studies in Computational Linguistics 1), 327–352. Stanford, CA: CSLI Publications.
- Stabler, Edward P. 2011a. After Government and Binding Theory. In ? 395–414.
- Stabler, Edward P. 2011b. Computational perspectives on Minimalism. In Cedric Boeckx (ed.), *The Oxford handbook of linguistic Minimalism* (Oxford Handbooks in Linguistics), chap. 27, 616–641. Oxford: Oxford University Press.
- Starosta, Stanley. 1988. *The case for Lexicase* (Open Linguistics Series). London: Pinter Publishers.
- Starosta, Stanley & Hirosato Nomura. 1986. Lexicase parsing: A lexicon-driven approach to syntactic analysis. In ? 127–132. DOI:10.3115/991365.991400.
- von Stechow, Arnim. 1979. Deutsche Wortstellung und Montague-Grammatik. In Jürgen M. Meisel & Martin D. Pam (eds.), *Linear order and Generative theory*, 317–490. Amsterdam: John Benjamins Publishing Co.
- von Stechow, Arnim. 1989. Distinguo: Eine Antwort auf Dieter Wunderlich. *Linguistische Berichte* 122. 330–339.
- von Stechow, Arnim. 1996. The different readings of *wieder* ‘again’: A structural account. *Journal of Semantics* 13(2). 87–138.
- von Stechow, Arnim & Wolfgang Sternefeld. 1988. *Bausteine syntaktischen Wissens: Ein Lehrbuch der Generativen Grammatik*. Opladen/Wiesbaden: Westdeutscher Verlag.

- Steedman, Mark J. 1985. Dependency and coordination in the grammar of Dutch and English. *Language* 61(3). 523–568.
- Steedman, Mark J. 1989. Constituency and coordination in a Combinatory Grammar. In ? 201–231.
- Steedman, Mark J. 1991. Structure and intonation. *Language* 67(2). 260–296.
- Steedman, Mark J. 1997. *Surface structure and interpretation* (Linguistic Inquiry Monographs 30). Cambridge, MA/London, England: MIT Press.
- Steedman, Mark J. 2000. *The syntactic process* (Language, Speech, and Communication). Cambridge, MA/London, England: MIT Press.
- Steedman, Mark J. 2011. Romantics and revolutionaries. *Linguistic Issues in Language Technology* 6(11). 1–20. <http://journals.linguisticsociety.org/elanguage/lilt/article/view/2587.html>. Special Issue on Interaction of Linguistics and Computational Linguistics.
- Steedman, Mark J. & Jason Baldridge. 2006. Combinatory Categorical Grammar. In ? 610–621.
- Steels, Luc. 2003. Evolving grounded communication for robots. *Trends in Cognitive Science* 7(7). 308–312.
- Steels, Luc (ed.). 2011a. *Design patterns in Fluid Construction Grammar* (Constructional Approaches to Language 11). Amsterdam: John Benjamins Publishing Co.
- Steels, Luc (ed.). 2011b. *Design patterns in Fluid Construction Grammar* (Constructional Approaches to Language 11). Amsterdam: John Benjamins Publishing Co.
- Steels, Luc (ed.). 2012. *Computational issues in Fluid Construction Grammar* (Lecture Notes in Computer Science 7249). Berlin: Springer Verlag.
- Steels, Luc. 2013. Fluid Construction Grammar. In ? 153–167.
- Steels, Luc. 2015. *The Talking Heads experiment: Origins of words and meanings* (Computational Models of Language Evolution 1). Berlin: Language Science Press.
- Steels, Luc & Joachim De Beule. 2006. A (very) brief introduction to Fluid Construction Grammar. Paper presented at the Third International Workshop on Scalable Natural Language Understanding (ScaNaLU 2006) June 8, 2006, following HLT/NAACL, New York City.
- Steels, Luc & Remi van Trijp. 2011. How to make Construction Grammars fluid and robust. In ? 301–330.
- Stefanowitsch, Anatol. 2008. Negative entrenchment: A usage-based approach to negative evidence. *Cognitive Linguistics* 19(3). 513–531.
- Stefanowitsch, Anatol & Kerstin Fischer (eds.). 2008. *Konstruktionsgrammatik II: Von der Konstruktion zur Grammatik* (Stauffenburg Linguistik 47). Tübingen: Stauffenburg Verlag.
- Stefanowitsch, Anatol & Stephan Th. Gries. 2009. Corpora and grammar. In ? chap. 43, 933–952.
- Sternefeld, Wolfgang. 1985a. Deutsch ohne grammatische Funktionen: Ein Beitrag zur Rektions- und Bindungstheorie. *Linguistische Berichte* 99. 394–439.
- Sternefeld, Wolfgang. 1985b. On case and binding theory. In ? 231–285.

- Sternefeld, Wolfgang. 1995. Voice phrases and their specifiers. *FAS Papers in Linguistics* 3. 48–85.
- Sternefeld, Wolfgang. 2006. *Syntax: Eine morphologisch motivierte generative Beschreibung des Deutschen* (Stauffenburg Linguistik 31). Tübingen: Stauffenburg Verlag.
- Sternefeld, Wolfgang & Frank Richter. 2012. Wo stehen wir in der Grammatiktheorie? – Bemerkungen anlässlich eines Buchs von Stefan Müller. *Zeitschrift für Sprachwissenschaft* 31(2). 263–291.
- Stiebels, Barbara. 1996. *Lexikalische Argumente und Adjunkte: Zum semantischen Beitrag verbaler Präfixe und Partikeln* (studia grammatica 39). Berlin: Akademie Verlag.
- Stowell, Timothy. 1981. *Origins of phrase structure*: MIT dissertation. <http://hdl.handle.net/1721.1/15626>.
- Strunk, Jan & Nil Snider. 2013. Subclausal locality constraints on relative clause extraposition. In Gert Webelhuth, Manfred Sailer & Heike Walker (eds.), *Rightward movement in a comparative perspective* (Linguistik Aktuell/Linguistics Today 200), 99–143. Amsterdam: John Benjamins Publishing Co.
- Su, Keh-Yih, Oi Yee Kwong, Jn'ichi Tsujii & Jong-Hyeok Lee (eds.). 2005. *Natural language processing IJCNLP 2004* (Lecture Notes in Artificial Intelligence 3248) Berlin: Springer Verlag.
- Suchsland, Peter (ed.). 1992. *Biologische und soziale Grundlagen der Sprache* (Linguistische Arbeiten 280). Tübingen: Max Niemeyer Verlag.
- Suchsland, Peter. 1997. *Syntax-Theorie: Ein zusammengefaßter Zugang* (Konzepte der Sprach- und Literaturwissenschaft 55). Tübingen: Max Niemeyer Verlag. Deutsche Bearbeitung von ? durch Peter Suchsland.
- Sulger, Sebastian. 2009. Irish clefting and information-structure. In ? 562–582. <http://csli-publications.stanford.edu/LFG/14/>.
- Sulger, Sebastian. 2010. Analytic and synthetic verb forms in Irish – An agreement-based implementation in LFG. In Manfred Pinkal, Ines Rehbein, Sabine Schulte im Walde & Angelika Storrer (eds.), *Semantic approaches in natural language processing: Proceedings of the Conference on Natural Language Processing 2010*, 169–173. Saarbrücken: Saarland University Press (universaar).
- Svenononius, Peter. 2004. Slavic prefixes inside and outside VP. *Nordlyd. Special Issue on Slavic Prefixes* 32(2). 205–253.
- Takami, Ken-ichi. 1988. Preposition stranding: Arguments against syntactic analyses and an alternative functional explanation. *Lingua* 76(4). 299–335.
- Tanenhaus, Michael K., Michael J. Spivey-Knowlton, Kathleen M. Eberhard & Julie C. Sedivy. 1995. Integration of visual and linguistic information in spoken language comprehension. *Science* 268(5217). 1632–1634.
- Tanenhaus, Michael K., Michael J. Spivey-Knowlton, Kathleen M. Eberhard & Julie C. Sedivy. 1996. Using eye movements to study spoken language comprehension: Evidence for visually mediated incremental interpretation. In Toshio Inui & James L. McClelland (eds.), *Information integration in perception and communication* (Attention and Performance XVI), 457–478. Cambridge, MA: MIT Press.

- ten Hacken, Pius. 2007. *Chomskyan linguistics and its competitors*. London: Equinox Publishing Ltd.
- Tesnière, Lucien. 1959. *Eléments de syntaxe structurale*. Paris: Librairie C. Klincksieck.
- Tesnière, Lucien. 1980. *Grundzüge der strukturalen Syntax*. Stuttgart: Klett-Cotta. Translated by Ulrich Engel.
- Tesnière, Lucien. 2015. *Elements of structural syntax*. Amsterdam: John Benjamins Publishing Co. Translated by Timothy Osborne and Sylvain Kahane.
- Thiersch, Craig L. 1978. *Topics in German syntax*: M.I.T. Dissertation.
- Thompson, Henry S. 1982. Handling metarules in a parser for GPSG. D.A.I. Research 175 University of Edinburgh.
- Timberlake, Alan. 1982. The impersonal passive in Lithuanian. In Monica Macaulay, Orin D. Gensler, Claudia Brugmann, Inese Čivkulis, Amy Dahlstrom, Katherine Krile & Rob Sturm (eds.), *Proceedings of the Eighth Annual Meeting of the Berkeley Linguistics Society*, 508–524. Berkeley: University of California.
- Toman, Jindřich (ed.). 1985. *Studies in German grammar* (Studies in Generative Grammar 21). Dordrecht: Foris Publications.
- Tomasello, Michael. 1995. Language is not an instinct. *Cognitive Development* 10(1). 131–156.
- Tomasello, Michael. 2000. Do young children have adult syntactic competence? *Cognition* 74(3). 209–253.
- Tomasello, Michael. 2003. *Constructing a language: A usage-based theory of language acquisition*. Cambridge, MA: Harvard University Press.
- Tomasello, Michael. 2005. Beyond formalities: The case of language acquisition. *The Linguistic Review* 22(2–4). 183–197.
- Tomasello, Michael. 2006a. Acquiring linguistic constructions. In Deanna Kuhn & Robert Siegler (eds.), *Handbook of child psychology*, vol. 2, New York: John Wiley & Sons, Inc. 6th edn.
- Tomasello, Michael. 2006b. Construction Grammar for kids. *Constructions Special Volume* 1. <http://www.constructions-journal.com/>.
- Tomasello, Michael. 2006c. Konstruktionsgrammatik und früher Erstspracherwerb. In Kerstin Fischer & Anatol Stefanowitsch (eds.), *Konstruktionsgrammatik: Von der Anwendung zur Theorie* (Stauffenburg Linguistik 40), 19–37. Tübingen: Stauffenburg Verlag.
- Tomasello, Michael. 2009. Universal Grammar is dead. *The Behavioral and Brain Sciences* 32(5). 470–471.
- Tomasello, Michael, Nameera Akhtar, Kelly Dodson & Laura Rekau. 1997. Differential productivity in young children's use of nouns and verbs. *Journal of Child Language* 24(2). 373–387.
- Tomasello, Michael, Malinda Carpenter, Josep Call, Tanya Behne & Henrike Moll. 2005. Understanding and sharing intentions: The origins of cultural cognition. *The Behavioral and Brain Sciences* 28(5). 675–735.
- Travis, Lisa. 1984. *Parameters and effects of word order variation*. Cambridge, MA: M.I.T. Dissertation.



- Trosterud, Trond. 2009. A Constraint Grammar for Faroese. In ? 1–7.
- Tseng, Jesse (ed.). 2000. *Aspekte eines HPSG-Fragments des Deutschen* (Arbeitspapiere des SFB 340 No. 156). Tübingen: Eberhard-Karls-Universität Tübingen. <http://www.sfs.uni-tuebingen.de/sfb/reports/berichte/156/156abs.html>.
- Tseng, Jesse L. 2003. LKB grammar implementation: French and beyond. In ? 91–97. <http://w3.erss.univ-tlse2.fr/textes/pagespersos/tseng/Pubs/mgd03.pdf>.
- Tseng, Jesse L. 2007. English prepositional passive constructions. In ? 271–286. <http://csli-publications.stanford.edu/HPSG/2007/>.
- Tsuji, Jun-ichi (ed.). 1996. *Proceedings of COLING-96. 16th International Conference on Computational Linguistics (COLING96). Copenhagen, Denmark, August 5–9, 1996*. Copenhagen, Denmark: Association for Computational Linguistics.
- Umemoto, Hiroshi. 2006. Implementing a Japanese semantic parser based on glue approach. In *Proceedings of The 20th Pacific Asia Conference on Language, Information and Computation*, 418–425. <http://dSPACE.wul.waseda.ac.jp/dSPACE/handle/2065/29076>.
- Uszkoreit, Hans. 1986a. Categorical Unification Grammars. In ? 187–194. <http://aclweb.org/anthology-new/C/C86/C86-1045.pdf>.
- Uszkoreit, Hans. 1986b. Linear precedence in discontinuous constituents: Complex fronting in German. Report No. CSLI-86-47 Center for the Study of Language and Information Stanford, CA.
- Uszkoreit, Hans. 1987. *Word order and constituent structure in German* (CSLI Lecture Notes 8). Stanford, CA: CSLI Publications.
- Uszkoreit, Hans. 1990. Extraposition and adjunct attachment in Categorical Unification Grammar. In Werner Bähler, Joachim Schildt & Dieter Viehweger (eds.), *Proceedings of the Fourteenth International Congress of Linguists, Berlin/GDR, August 10–15, 1987*, vol. 3, 2331–2336. Berlin: Akademie Verlag.
- Uszkoreit, Hans (ed.). 1995. *33rd Annual Meeting of the Association for Computational Linguistics. Proceedings of the conference*. Cambridge, MA: Association for Computational Linguistics.
- Uszkoreit, Hans, Rolf Backofen, Stephan Busemann, Abdel Kader Diagne, Elizabeth A. Hinkelman, Walter Kasper, Bernd Kiefer, Hans-Ulrich Krieger, Klaus Netter, Günter Neumann, Stephan Oepen & Stephen P. Spackman. 1994. DISCO—An HPSG-based NLP system and its application for appointment scheduling. In ? 436–440.
- Uszkoreit, Hans, Rolf Backofen, Jo Calder, Joanne Capstick, Luca Dini, Jochen Dörre, Gregor Erbach, Dominique Estival, Suresh Manandhar, Anne-Marie Mineur & Stephan Oepen. 1996. The EAGLES formalisms working group: Final report Expert Advisory Group on Language Engineering Standards. Technical Report LRE 61–100. <http://www.coli.uni-sb.de/publikationen/softcopies/Uszkoreit:1996:EFW.pdf>.
- Valian, Virginia. 1991. Syntactic subjects in the early speech of American and Italian children. *Cognition* 40(1–2). 21–81.
- van Benthem, Johan F. A. K. & G. B. Alice ter Meulen (eds.). 2011. *Handbook of logic and language*. Amsterdam: Elsevier 2nd edn.
- van der Hulst, Harry (ed.). 2010. *Recursion in human language* (Studies in Generative Grammar 104). Berlin: Mouton de Gruyter.

- Van Eynde, Frank. 2015. Sign-Based Construction Grammar: A guided tour. *Journal of Linguistics* DOI:10.1017/S0022226715000341.
- Van Langendonck, Willy. 1994. Determiners as heads? *Cognitive Linguistics* 5. 243–259.
- van Trijp, Remi. 2011. A design pattern for argument structure constructions. In ? 115–145.
- van Trijp, Remi. 2013. A comparison between Fluid Construction Grammar and Sign-Based Construction Grammar. *Constructions and Frames* 5(1). 88–116.
- van Trijp, Remi. 2014. Long-distance dependencies without filler–gaps: A cognitive-functional alternative in Fluid Construction Grammar. *Language and Cognition* 6(2). 242–270.
- Van Valin, Robert D. Jr. (ed.). 1993. *Advances in Role and Reference Grammar*. Amsterdam: John Benjamins Publishing Co.
- Van Valin, Robert D. Jr. 1998. The acquisition of *wh*-questions and the mechanisms of language acquisition. In Michael Tomasello (ed.), *The new psychology of language: Cognitive and functional approaches to language structure*, 221–249. Hillsdale, NJ: Lawrence Erlbaum.
- Vancoppenolle, Jean, Eric Tabbert, Gerlof Bouma & Manfred Stede. 2011. A German grammar for generation in Open CCG. In ? 145–150.
- Vargha, Dénes (ed.). 1988. *Proceedings of COLING 88*. University of Budapest: Association for Computational Linguistics.
- Vargha-Khadem, Faraneh, Kate E. Watkins, Katie Alcock, Paul Fletcher & Richard Passingham. 1995. Praxic and nonverbal cognitive deficits in a large family with a genetically transmitted speech and language disorder. In *Proceedings of the National Academy of Sciences of the United States of America*, vol. 92, 930–933.
- Vasishth, Shravan & Richard L. Lewis. 2006. Human language processing: Symbolic models. In ? 410–419.
- Vasishth, Shravan, Katja Suckow, Richard L. Lewis & Sabine Kern. 2010. Short-term forgetting in sentence comprehension: Crosslinguistic evidence from verb-final structures. *Language and Cognitive Processes* 25(4). 533–567.
- Vater, Heinz. 2010. Strukturalismus und generative Grammatik in Deutschland. In Hans-Harald Müller, Marcel Lepper & Andreas Gardt (eds.), *Strukturalismus in Deutschland: Literatur- und Sprachwissenschaft 1910–1975* (Marbacher Schriften. Neue Folge 5), 125–160. Göttingen: Wallstein Verlag.
- Veenstra, Mettina Jolanda Arnoldina. 1998. *Formalizing the Minimalist Program*: Rijksuniversiteit Groningen Ph.d. thesis.
- Vennemann, Theo & Ray Harlow. 1977. Categorical Grammar and consistent basic VX serialization. *Theoretical Linguistics* 4(1–3). 227–254.
- Verhagen, Arie. 2010. What do you think is the proper place of recursion? Conceptual and empirical issues. In ? 93–110.
- Verspoor, Cornelia Maria. 1997. *Contextually-dependent lexical semantics*: University of Edinburgh dissertation. <ftp://ftp.cogsci.ed.ac.uk/pub/kversp/thesis.ps.gz>.

- Vierhuff, Tilman, Bernd Hildebrandt & Hans-Jürgen Eikmeyer. 2003. Effiziente Verarbeitung deutscher Konstituentenstellung mit der Combinatorial Categorical Grammar. *Linguistische Berichte* 194. 213–237.
- Vijay-Shanker, K. & Aravind K. Joshi. 1988. Feature structures based Tree Adjoining Grammars. In ? 714–719. <http://www.aclweb.org/anthology-new/C/C88/C88-2147.pdf>.
- Villavicencio, Aline. 2002. The acquisition of a unification-based Generalised Categorical Grammar. UCAM-CL-TR-533 University of Cambridge Computer Laboratory.
- Vogel, Ralf. 2001. Case conflict in German free relative constructions: An Optimality Theoretic treatment. In Gereon Müller & Wolfgang Sternefeld (eds.), *Competition in syntax*, 341–375. Berlin: Mouton de Gruyter.
- Vogel, Ralf & Markus Steinbach. 1998. The dative – An oblique case. *Linguistische Berichte* 173. 65–91.
- Volk, Martin. 1988. *Parsing German with GPSG: The problem of separable-prefix verbs*. University of Georgia MA thesis.
- Voutilainen, Atro, Juha Heikkilä & Arto Anttila. 1992. *Constraint Grammar of English: A performance-oriented introduction* (Publications of the Department of General Linguistics 21). Helsinki: University of Helsinki.
- Wada, Hajime & Nicholas Asher. 1986. BUILDERS: An implementation of DR Theory and LFG. In ? 540–545.
- Wahlster, Wolfgang (ed.). 2000a. *Verbmobil: Foundations of speech-to-speech translation* (Artificial Intelligence). Berlin: Springer Verlag.
- Wahlster, Wolfgang (ed.). 2000b. *Verbmobil: Foundations of speech-to-speech translation* (Artificial Intelligence). Berlin: Springer Verlag.
- Walther, Markus. 1999. *Deklarative prosodische Morphologie: Constraint-basierte Analysen und Computermodelle zum Finnischen und Tigrinya* (Linguistische Arbeiten 399). Tübingen: Max Niemeyer Verlag.
- Webelhuth, Gert. 1985. German is configurational. *The Linguistic Review* 4(3). 203–246.
- Webelhuth, Gert. 1990. Diagnostics for structure. In ? 41–75.
- Webelhuth, Gert. 1995. X-bar Theory and Case Theory. In Gert Webelhuth (ed.), *Government and Binding Theory and the Minimalist Program: Principles and Parameters in syntactic theory* (Generative Syntax), 15–95. Oxford, UK & Cambridge, USA: Blackwell Publishing Ltd.
- Webelhuth, Gert. 2011. Paradigmenwechsel rückwärts: Die Renaissance der grammatischen Konstruktion. In ? 149–180.
- Webelhuth, Gert, Jean-Pierre Koenig & Andreas Kathol (eds.). 1999. *Lexical and Constructional aspects of linguistic explanation* (Studies in Constraint-Based Lexicalism 1). Stanford, CA: CSLI Publications.
- Weber, Heinz J. 1997. *Dependenzgrammatik: Ein interaktives Arbeitsbuch* (Narr Studienbücher). Tübingen: Gunter Narr Verlag 2nd edn.
- Wechsler, Stephen Mark. 1991. *Argument structure and linking*: Stanford University dissertation.

- Wechsler, Stephen Mark. 1995. *The semantic basis of argument structure* (Dissertations in Linguistics). Stanford, CA: CSLI Publications.
- Wechsler, Stephen Mark. 1997. Resultative predicates and control. In Ralph C. Blight & Michelle J. Moosally (eds.), *Texas Linguistic Forum 38: The syntax and semantics of predication: Proceedings of the 1997 Texas Linguistics Society Conference*, 307–321. Austin, Texas: University of Texas, Department of Linguistics.
- Wechsler, Stephen Mark. 2005. What is right and wrong about little v. In *Grammar and beyond—Essays in honour of Lars Hellan*, 179–195. Oslo, Norway: Novus Press.
- Wechsler, Stephen Mark. 2008a. A diachronic account of English deverbal nominals. In Charles B. Chang & Hannah J. Haynie (eds.), *Proceedings of the 26th West Coast Conference on Formal Linguistics*, 498–506. Somerville, MA: Cascadilla Proceedings Project.
- Wechsler, Stephen Mark. 2008b. Dualist syntax. In ? 294–304. <http://csli-publications.stanford.edu/HPSG/2008/>.
- Wechsler, Stephen Mark & Bokyoung Noh. 2001. On resultative predicates and clauses: Parallels between Korean and English. *Language Sciences* 23(4). 391–423.
- Wegener, Heide. 1985. *Der Dativ im heutigen Deutsch* (Studien zur deutschen Grammatik 28). Tübingen: originally Gunter Narr Verlag now Stauffenburg Verlag.
- Weir, Morton W. 1964. Developmental changes in problem-solving strategies. *Psychological Review* 71(6). 473–490.
- Weissgerber, Monika. 1983. *Valenz und Kongruenzbeziehungen: Ein Modell zur Vereindeutigung von Verben in der maschinellen Analyse und Übersetzung*. Frankfurt a. M.: Peter Lang.
- Weisweber, Wilhelm. 1987. Ein Dominanz-Chart-Parser für generalisierte Phrasenstrukturgrammatiken. KIT-Report 45 Technische Universität Berlin Berlin.
- Weisweber, Wilhelm & Susanne Preuss. 1992. Direct parsing with metarules. In ? 1111–1115.
- Welke, Klaus. 1988. *Einführung in die Valenz- und Kasus-theorie*. Leipzig: Bibliographisches Institut.
- Welke, Klaus. 2009. Konstruktionsvererbung, Valenzvererbung und die Reichweite von Konstruktionen. *Zeitschrift für Germanistische Linguistik* 37(3). 514–543.
- Welke, Klaus. 2011. *Valenzgrammatik des Deutschen: Eine Einführung* (De Gruyter Studium). Berlin: de Gruyter.
- Wells, Rulon S. 1947. Immediate constituents. *Language* 23(2). 81–117.
- Werner, Edeltraud. 1993. *Translationstheorie und Dependenzmodell: Kritik und Reinterpretation des Ansatzes von Lucien Tesnière* (Kultur und Erkenntnis: Schriften der Philosophischen Fakultät der Heinrich-Heine-Universität Düsseldorf 10). Tübingen: Francke Verlag.
- Wetta, Andrew C. 2011. A Construction-based cross-linguistic analysis of V2 word order. In ? 248–268. <http://csli-publications.stanford.edu/HPSG/2011/>.
- Wexler, Kenneth. 1998. Very early parameter setting and the unique checking constraint: A new explanation of the optional infinitive stage. *Lingua* 106(1–4). 23–79.

- Wexler, Kenneth & Peter W. Culicover. 1980. *Formal principles of language acquisition*. Cambridge, MA/London: MIT Press.
- Weydt, Harald. 1972. „Unendlicher Gebrauch von endlichen Mitteln“: Mißverständnisse um ein linguistisches Theorem. *Poetica* 5(3/4). 249–267.
- Wharton, R. M. 1974. Approximate language identification. *Information and Control* 26(3). 236–255.
- White, Mike & Jason Baldridge. 2003. Adapting chart realization to CCG. In Ehud Reiter, Helmut Horacek & Kees van Deemter (eds.), *Proceedings of the 9th European Workshop on Natural Language Generation (ENLG-2003) at EACL 2003*, 119–126.
- Wijnen, Frank, Masja Kempen & Steven Gillis. 2001. Root infinitives in Dutch early child language: An effect of input? *Journal of Child Language* 28(3). 629–660.
- Wiklund, Anna-Lena, Gunnar Hrafn Hrafnbjargarson, Kristine Bentzen & Þorbjörg Hróarsdóttir. 2007. Rethinking Scandinavian verb movement. *Journal of Comparative Germanic Linguistics* 10(3). 203–233.
- Wilcock, Graham. 2001. Towards a discourse-oriented representation of information structure in HPSG. In *13th Nordic Conference on Computational Linguistics, Uppsala, Sweden*, <http://www.ling.helsinki.fi/~gwilcock/Pubs/2001/Nodalida-01.pdf>.
- Wilder, Chris. 1991. Small clauses and related objects. *Groninger Arbeiten zur Germanistischen Linguistik* 34. 215–236.
- Wilks, Yorick (ed.). 1984. *Proceedings of the 10th International Conference on Computational Linguistics and 22nd Annual Meeting of the Association for Computational Linguistics*. Stanford University, California: Association for Computational Linguistics.
- Williams, Edwin. 1984. Grammatical relations. *Linguistic Inquiry* 15(4). 639–673.
- Winkler, Susanne. 1997. *Focus and secondary predication* (Studies in Generative Grammar 43). Berlin, New York: Mouton de Gruyter.
- Wittenberg, Eva, Ray S. Jackendoff, Gina Kuperberg, Martin Paczynski, Jesse Snedeker & Heike Wiese. 2014. The processing and representation of light verb constructions. In Asaf Bachrach, Isabelle Roy & Linnaea Stockall (eds.), *Structuring the argument* (Language Faculty and Beyond 10), 61–80. Amsterdam: John Benjamins Publishing Co.
- Wittenberg, Eva & Maria Mercedes Piñango. 2011. Processing light verb constructions. *The Mental Lexicon* 6(3). 393–413.
- Wöllstein, Angelika. 2010. *Topologisches Satzmodell* (Kurze Einführungen in die Germanistische Linguistik 8). Heidelberg: Universitätsverlag Winter.
- Wunderlich, Dieter. 1987. Vermeide Pronomen – Vermeide leere Kategorien. *Studium Linguistik* 21. 36–44.
- Wunderlich, Dieter. 1989. Arnim von Stechow, das Nichts und die Lexikalisten. *Linguistische Berichte* 122. 321–333.
- Wunderlich, Dieter. 1992. CAUSE and the structure of verbs. Arbeiten des SFB 282 No. 36 Heinrich Heine Uni/BUGH Düsseldorf/Wuppertal.
- Wunderlich, Dieter. 1997. Argument extension by lexical adjunction. *Journal of Semantics* 14(2). 95–142.
- Wunderlich, Dieter. 2004. Why assume UG? *Studies in Language* 28(3). 615–641.

- Wunderlich, Dieter. 2008. Spekulationen zum Anfang von Sprache. *Zeitschrift für Sprachwissenschaft* 27(2). 229–265.
- Wurmbrand, Susanne. 2003a. *Infinitives: Restructuring and clause structure* (Studies in Generative Grammar 55). Berlin: Mouton de Gruyter.
- Wurmbrand, Susanne. 2003b. Long passive (corpus search results).
- XTAG Research Group. 2001. A lexicalized Tree Adjoining Grammar for English. Tech. rep. Institute for Research in Cognitive Science Philadelphia. <ftp://ftp.cis.upenn.edu/pub/xtag/release-2.24.2001/tech-report.pdf>.
- Yamada, Hiroyasu & Yuji Matsumoto. 2003. Statistical dependency analysis with support vector machines. In ?.
- Yamada, Jeni. 1981. Evidence for the independence of language and cognition: Case study of a “hyperlinguistic” adolescent. UCLA Working Papers in Cognitive Linguistics 3 University of California, Los Angeles.
- Yampol, Todd & Lauri Karttunen. 1990. An efficient implementation of PATR for Categorical Unification Grammar. In ? 419–424.
- Yang, Charles D. 2004. Universal Grammar, statistics or both? *Trends in Cognitive Sciences* 8(10). 451–456. DOI:10.1016/j.tics.2004.08.006.
- Yasukawa, Hideki. 1984. LFG System in Prolog. In ? 358–361.
- Yip, Moira, Joan Maling & Ray S. Jackendoff. 1987. Case in tiers. *Language* 63(2). 217–250.
- Yoshinaga, Naoki, Yusuke Miyao, Kentaro Torisawa & Jun’ichi Tsujii. 2001. Resource sharing amongst HPSG and LTAG communities by a method of grammar conversion between FB-LTAG and HPSG. In *Proceedings of ACL/EACL workshop on Sharing Tools and Resources for Research and Education*, 39–46. Toulouse, France.
- Zaenen, Annie & Ronald M. Kaplan. 1995. Formal devices for linguistic generalizations: West Germanic word order in LFG. In ? 215–239.
- Zaenen, Annie, Joan Maling & Höskuldur Thráinsson. 1985. Case and grammatical functions: The Icelandic passive. *Natural Language and Linguistic Theory* 3(4). 441–483.
- Zampolli, Antonio (ed.). 1992. *14th International Conference on Computational Linguistics (COLING ’92), August 23–28*. Nantes, France: Association for Computational Linguistics.
- Zappa, Frank. 1986. Does humor belong in music? EMI Music Germany GmbH & Co.KG.
- Zucchi, Alessandro. 1993. *The language of propositions and events: Issues in the syntax and the semantics of nominalization* (Studies in Linguistics and Philosophy 51). Berlin: Springer Verlag.
- Zwart, C. Jan-Wouter. 1994. Dutch is head-initial. *The Linguistic Review* 11(3–4). 377–406.
- Zweigenbaum, Pierre. 1991. Un analyseur pour grammaires lexicales-fonctionnelles. *TA Informations* 32(2). 19–34.
- Zwicky, Arnold M., Joyce Friedman, Barbara C. Hall & Donald E. Walker. 1965. The MITRE syntactic analysis procedure for Transformational Grammars. In *Proceedings – FALL Joint Computer Conference*, 317–326. DOI:10.1109/AFIPS.1965.108.







# Grammatical theory

This book introduces formal grammar theories that play a role in current linguistic theorizing (Phrase Structure Grammar, Transformational Grammar/Government & Binding, Generalized Phrase Structure Grammar, Lexical Functional Grammar, Categorical Grammar, Head-Driven Phrase Structure Grammar, Construction Grammar, Tree Adjoining Grammar). The key assumptions are explained and it is shown how the respective theory treats arguments and adjuncts, the active/passive alternation, local reorderings, verb placement, and fronting of constituents over long distances. The analyses are explained with German as the object language.

The second part of the book compares these approaches with respect to their predictions regarding language acquisition and psycholinguistic plausibility. The nativism hypothesis, which assumes that humans possess genetically determined innate language-specific knowledge, is critically examined and alternative models of language acquisition are discussed. The second part then addresses controversial issues of current theory building such as the question of flat or binary branching structures being more appropriate, the question whether constructions should be treated on the phrasal or the lexical level, and the question whether abstract, non-visible entities should play a role in syntactic analyses. It is shown that the analyses suggested in the respective frameworks are often translatable into each other. The book closes with a chapter showing how properties common to all languages or to certain classes of languages can be captured.

“With this critical yet fair reflection on various grammatical theories, Müller fills what has been a major gap in the literature.” Karen Lehmann, *Zeitschrift für Rezensionen zur germanistischen Sprachwissenschaft*, 2012

“Stefan Müller’s recent introductory textbook, ‘Grammatiktheorie’, is an astonishingly comprehensive and insightful survey of the present state of syntactic theory for beginning students.” Wolfgang Sternefeld und Frank Richter, *Zeitschrift für Sprachwissenschaft*, 2012

“This is the kind of work that has been sought after for a while. [...] The impartial and objective discussion offered by the author is particularly refreshing.” Werner Abraham, *Germanistik*, 2012

ISBN 978-3-944675-21-3



9 783944 675213