**The Language Science Press handbook of Head-Driven Phrase Structure Grammar**

Anne Abeillé, Université Paris Diderot-Paris 7

Robert D. Borsley, University of Essex

Jean-Pierre Koenig, University at Buffalo

Stefan Müller, Humboldt Universität zu Berlin

The Language Science PressHandbook of Head-driven Phrase Structure Grammar is intended to provide a comprehensive guide to the HPSG approach to grammar and related matters. The book will probably be divided into five sections, one introductory, one focusing on syntactic analyses at the heart of HPSG, and there dealing with further issues. The plan is still being developed, but the following indicates what chapters are likely to appear in each section, and in some cases indicate possible authors and say something about the likely content.

The book will appear in the series Empirically Oriented Theoretical Morphology and Syntax.

**Basics and background**

**Basic properties and elements** (Possible authors: one or more of the editors)

This will consider *inter alia* the declarative (constraint-based) nature of the framework, and its monostratal, concrete, and formal character. It will consider the nature of types, features, and constraints, and also constructions in the Sign-Based Construction Grammar (SBCG) verson of HPSG. It will also look at the relation between syntax and the lexicon.

**The evolution of HPSG** (Possible authors: one or more of the editors)

This will consider the earlier version of HPSG presented in Pollard and Sag (1987) and say something about how it emerged. It will then look at the versions presented in the first 8 chapters of Pollard and Sag (1994) and the somewhat different version outlined in chapter 9 of that book. (The former has a single feature SUBCAT, whereas the latter has a number of different VALENCE features.) Then it will consider what is sometimes called Construction-based HPSG, the approach developed in Sag (1997) and Ginzburg and Sag (2000), which emplotys complexes hierarchies of phrasal types). Finally, it will discuss SBCG, an approach in which constructions are a separate entity distinct from phrasal types. This is a complication which leads to simplifications elsewhere.

**Formal background** (Possible authors: Detmar Meurers, Frank Richter)

This chapter will look more closely at the formal properties of (various versions of) HPSG.

**Some syntactic phenomena**

HPSG is a theory of grammar with implications for various areas of linguistics, but at the heart of HPSG research are syntactic analyses of broad range of syntactic phenomena in English and many other languages. The chapters in this section will explore these analyses.

**Agreement** (Possible author: Steve Wechsler)

This will consider among other matters the proposals of Pollard and Sag, Kathol, and Wechsler and Zlatic. It will focus especially on the distinction between INDEX agreement and CONCORD agreement.

**Case** (Possible author: Adam Przepiorkowski)

This will consider among other things both nominative-accusative systems and ergative-absolutive systems and quirky case.

**Argument structure and linking** (Possible authors: Jean-Pierre Koenig, Steve Wechsler, Antony Davies)

This may include **valence alternation**s or they may be the subject of a separate chapter.

**Control and raising** (Possible author: Anne Abeillé)

Among other things this will probably consider auxiliaries in English and other languages as one type of raising verb.

**Constituent order** (Possible author: Stefan Müller)

This will include the notion of order domains. It will consider free word order and various possible analyses of verb-initial clauses. German will probably be prominent.

**Clitics** (Possible author: Philip Miller)

Romance (especially French) will probably be prominent here. But it will probably also consider clitics in Greek, Semitic, and Celtic.

**Complex predicates** (Possible authors: Pollet Samvelian, Tsuneko Nakazawa)

This will consider among other things verbal complexes in German, and light verbs in Persian. It will probably also consider French auxiliaries.

**Binding** (Possible author: Tibor Kiss)

**Coordination** (Possible authors: Rui Chaves, Anne Abeillé)

**Ellipsis** (Possible authors: Philip Miller, Jonathan Ginzburg)

This will probably figure in the later chapter on Pragmatics, discourse, and dialogue, but it merits a chapter to itself.

**Unbounded dependencies** (Possible authors: Rui Chaves, Berthold Crysman, Bob Borsley)

This will look at the basic mechanisms involved in unbounded dependencies, including dependencies with a resumptive pronoun.

**Island phenomena and related matters** (Possible author: Bob Levine)

This chapter will consider island phenomena of various kinds and related matters, including so-called *that*-trace effects.

**Idioms** (Possible author: Manfred Sailer)

There may be some further chapters dealing with some phenomena in specific languages. However, it may be that all the phenomena in various languages that merit attention will be discussed in one or other of the chapters above.

**Other levels of description**

**Phonology** (Possible author: Jesse Tseng)

**Morphology** (Possible author(s): Olivier Bonami and/or Berthold Crysman)

**Semantics** (Possible author: Manfred Sailer)

**Pragmatics, discourse, and dialogue** (Possible author: Jonathan Ginzburg)

There may also be a chapter on **the lexicon.** However, it may be that the various issues that arise here will be dealt with adequately in other chapters.

**Others areas of Linguistics**

The chapters in this section will consider the implications of HPSG for other areas of Linguistics.

**Diachronic Linguistics** (author: Ulrike Demske)

**Acquisition** (Possible author: Georgia Green, Jonathan Ginzburg)

**Processing** (Possible authors: Philp Hofmeister, Tom Wasow)

**Computational linguistics and Language Engineering** (Possible authors: Emily Bender, Dan Flickinger, Stefan Müller, Frank Richter)

**The broader picture**

The chapters in this section will look at the relations between HPSG and other approaches to grammar.

**HPSG and Minimalism** (Possible authors: Bob Borsley, Stefan Müller)

**HPSG and Categorial Grammar** (Possible author: Bob Levine)

**HPSG and Lexical Functional Grammar** (Possible authors: Anne Abeillé, Adam Przepiorkowski)

There will probably also be a chapter or chapters considering the relation of HPSG to three other approaches, namely Goldberg-style Construction Grammar (which differs in important ways from construction-based versions of HPSG), Dependency Grammar and Tree-Adjoining Grammar. Possible authors here include Anne Abeillé and Stefan Mūller.