## Table of Contents

## Formal Grammar 2012 1 Pierre Bourreau, Laura Kallmeyer, and Sylvain Salvati The Distribution and Interpretation of Hausa Subjunctives: An HPSG 17 Berthold Crysmann Memory Resource Allocation in Top-Down Minimalist Parsing . . . . . . . . 32Gregory M. Kobele, Sabrina Gerth, and John Hale Parsing Pregroup Grammars with Letter Promotions in Polynomial 52 Katarzuna Moroz Towards an HPSG Analysis of Object Shift in Danish ..... 69 Stefan Müller and Bjarne Ørsnes 90 James Rogers, Jeffrey Heinz, Margaret Fero, Jeremy Hurst, Dakotah Lambert, and Sean Wibel 109 Sharifah Raihan Syed Jaafar Completeness of Full Lambek Calculus for Syntactic Concept Lattices..... 126 Christian Wurm Formal Grammar 2013 On the Expressivity of Optimality Theory versus Ordered Rewrite Rules.... 142 Brian Buccola Adjectives in a Modern Type-Theoretical Setting ..... 159Stergios Chatzikyriakidis and Zhaohui Luo Tree Wrapping for Role and Reference Grammar..... 175 Laura Kallmeyer, Rainer Osswald, and Robert D. Van Valin Jr. The String-Meaning Relations Definable by Lambek Grammars and Context-Free Grammars ..... 191



Makoto Kanazawa and Sylvain Salvati

## Table of Contents

X

On the Complexity of Free Word Orders	209
Determiner Gapping as Higher-Order Discontinuous Constituency Yusuke Kubota and Robert Levine	225
Conjunctive Grammars in Greibach Normal Form and the Lambek Calculus with Additive Connectives	242
On the Generative Power of Discontinuous Lambek Calculus	250
A Count Invariant for Lambek Calculus with Additives and Bracket Modalities	263
Some Higher Order Functions on Binary Relations	277
Author Index	293