

## Preface

The Formal Grammar conference series (FG) provides a forum for the presentation of new and original research on formal grammar, mathematical linguistics, and the application of formal and mathematical methods to the study of natural language. Themes of interest include, but are not limited to:

- Formal and computational phonology, morphology, syntax, semantics, and pragmatics
- Model-theoretic and proof-theoretic methods in linguistics
- Logical aspects of linguistic structure
- Constraint-based and resource-sensitive approaches to grammar
- Learnability of formal grammar
- Integration of stochastic and symbolic models of grammar
- Foundational, methodological, and architectural issues in grammar and linguistics
- Mathematical foundations of statistical approaches to linguistic analysis

Previous FG meetings were held in Barcelona (1995), Prague (1996), Aix-en-Provence (1997), Saarbrücken (1998), Utrecht (1999), Helsinki (2001), Trento (2002), Vienna (2003), Nancy (2004), Edinburgh (2005), Malaga (2006), Dublin (2007), Hamburg (2008), Bordeaux (2009), Copenhagen (2010), Ljubljana (2011), Opole (2012), Düsseldorf (2013), and Tübingen (2014).

FG 2015, the 20th Conference on Formal Grammar, was held in Barcelona during August 8–9, 2015. The proceedings comprise two invited contributions, by Robin Cooper and Tim Fernando, and nine contributed papers selected from 13 submissions. The present volume includes the two invited papers and eight revised versions of the contributed papers.

FG 2016, the 21st Conference on Formal Grammar, was held in Bolzano-Bozen during August 20–21, 2016. The conference comprised two invited talks, by Frank Drewes and Mehrnoosh Sadrzadeh, and eight contributed papers selected from 11 submissions. The present volume includes the contributed papers.

We would like to thank the people who made the 20th and 21th FG conferences possible: the invited speakers, the members of the Program Committees, and the organizers of ESSLLI 2015 and ESSLLI 2016, with which the conferences were colocated.

June 2016

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<http://www.springer.com/978-3-662-53041-2>

Formal Grammar

20th and 21st International Conferences, FG 2015,  
Barcelona, Spain, August 2015, Revised Selected  
Papers. FG 2016, Bozen, Italy, August 2016,  
Proceedings

Foret, A.; Morrill, G.; Muskens, R.; Osswald, R.;  
Pogodalla, S. (Eds.)

2016, X, 323 p. 87 illus., Softcover

ISBN: 978-3-662-53041-2