Preface

The Workshop on Formal Approaches to the Dynamics of Linguistic Interaction is hosted by ESSLLI 2017 in Toulouse. The idea for bringing together researchers working on different formalisms, and interested in issues raised by linguistic interaction and how the dynamics of these interactions can be modelled came from a workshop on the Mechanisms of Linguistic Interaction, held in Ghent in 2015.

We received a total of 18 full paper submissions, 12 of which were accepted for talks after a peer-review process, during which each submission was reviewed by a panel of three experts. We are extremely grateful to the Programme Committee members for their very detailed and helpful reviews. The poster session hosts 3 of the remaining submissions. The papers for all accepted talks and posters are included in this volume.

The formalisms covered by the contributors include models of syntax, (Dynamic Syntax: Eshghi et al.; Gregoromichelaki; Kempson et al.), models of semantics (TTR: Breitholtz; Cooper; Dobnik and De Graaf; psi-calculus: Lawler et al.; Rieser), models of dialogue (SDRT: Schlöder; Information States: Cooper; Larsson and Myrendal; miscommunication: Mills and Redeker) models of evolution (Utterance selection model: Michaud and Schaden; Multi-level selection hypothesis: Kempson et al.) cognitive models (Kalociński) and models from pragmatics (Argumentation theory: Schaden; Social choice theory: Nishiguchi).

Notions of the dynamics of interaction range from the interaction between intonation and meaning within an utterance (Schlöder); the inter-sentential interaction between linguistic elements (Nishiguchi); the interaction of linguistic and non-linguistic inputs within turns in a dialogue (Gregoromichelaki; Lawler et al.; Rieser); human-agent interaction and learning (Dobnik and De Graaf, Eshghi et al.); the interactions between interlocutors (Cooper; Schaden) and how this effects language change through dialogue (Breitholtz; Kalociński; Larsson and Myrendal; Mills and Redeker) through contact with different languages (Michaud and Schaden) and at the evolutionary level (Kempson et al.).

Methodologically speaking the contributions range from empirical work (corpus and experimental: Lawler et al.; Rieser; Kalociński; Mills and Redeker; Schlöder; computer simulation and machine learning: Dobnik and De Graaf; Eshghi et al.; Michaud and Schaden) to more focussed formal analyses (Breitholtz; Cooper; Gregoromichelaki; Larsson and Myrendal; Schaden; Nishiguchi) to broad brush theoretical work (Kempson et al.).

We are proud to bring together researchers working on different formal approaches to the dynamics of interaction, and hope that the workshop fosters cross-disciplinary collaboration around these issues.

Finally, we would like to thank all our contributors and programme committee members, as well as the organisers of ESSLLI 2017 for hosting our workshop.

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Gothenburg/Bielefeld

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