Welcome to the ACL Workshop on the Relevance of Linguistic Structure in Neural Architectures for NLP (RELNLP). The workshop took place on July 19th 2018, collocated with the 56th Annual Meeting of the Association for Computational Linguistics in Melbourne, Australia.

There is a long standing tradition in NLP focusing on fundamental language modeling tasks such as morphological analysis, POS tagging, parsing, WSD or semantic parsing. In the context of end-user NLP tasks, these have played the role of enabling technologies, providing a layer of representation upon which more complex tasks can be built. However, in recent years we have witnessed a number of success stories involving end-to-end architectures trained on large data and making little or no use of a linguistically-informed language representation layer. This workshop’s focus was on the role of linguistic structures in the neural network era. We aimed to gauge their significance in building better, more generalizable NLP.

The workshop has accepted 2 oral presentations and a total of 7 poster presentations. The program also included four invited speakers as well as a panel discussion. We would like to thank our speakers: Chris Dyer, Emily Bender, Jason Eisner and Mark Johnson as well as our program committee for their work in assuring high quality and on time reviews.

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Karl Stratos, Toyota Technological Institute at Chicago, USA
Sara Stymme, Uppsala University, Sweden
Yulia Tsetkov, Carnegie Mellon University, USA
Eva Maria Vecchi, University of Stuttgart, Germany
Adina Williams, NYU, USA
Bing Xiang, Amazon AWS, USA

Invited Speakers:

Chris Dyer, DeepMind, Carnegie Mellon University
Emily Bender, University of Washington
Jason Eisner, Johns Hopkins University
Mark Johnson, Macquarie University
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Conference Program

Thursday, June 19, 2018

8:50–9:00  Opening Remarks

Session 1

9:00–10:00  Invited Talk: Chris Dyer

10:00–10:20  Compositional Morpheme Embeddings with Affixes as Functions and Stems as Arguments
Daniel Edmiston and Karl Stratos

10:20–11:00  Break

Session 2

11:00–12:00  Invited Talk: Mark Johnson

12:00–12:20  Unsupervised Source Hierarchies for Low-Resource Neural Machine Translation
Anna Currey and Kenneth Heafield

12:20–13:30  Lunch

Session 3

13:30–14:30  Poster session

14:30–15:30  Invited Talk: Jason Eisner

15:30–16:00  Break

Session 4

16:00–17:00  Invited Talk: Emily Bender

17:00–18:00  Panel discussion