

CoNLL SIGMORPHON 2017

Shared Task: Universal Morphological Reinflection

Vancouver, Canada
3 – 4 August 2017

ISBN: 978-1-5108-4566-4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006
Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>CoNLL-SIGMORPHON 2017 Shared Task: Universal Morphological Reinflection in 52 Languages</i> Ryan Cotterell, Christo Kirov, John Sylak-Glassman, Géraldine Walther, Ekaterina Vylomova, Patrick Xia, Manaal Faruqui, Sandra Kübler, David Yarowsky, Jason Eisner and Mans Hulden	1
<i>Training Data Augmentation for Low-Resource Morphological Inflection</i> Toms Bergmanis, Katharina Kann, Hinrich Schütze and Sharon Goldwater	31
<i>The LMU System for the CoNLL-SIGMORPHON 2017 Shared Task on Universal Morphological Reinflection</i> Katharina Kann and Hinrich Schütze	40
<i>Align and Copy: UZH at SIGMORPHON 2017 Shared Task for Morphological Reinflection</i> Peter Makarov, Tatiana Ruzsics and Simon Clematide	49
<i>Morphological Inflection Generation with Multi-space Variational Encoder-Decoders</i> Chunting Zhou and Graham Neubig	58
<i>ISI at the SIGMORPHON 2017 Shared Task on Morphological Reinflection</i> Abhisek Chakrabarty and Utpal Garain	66
<i>Experiments on Morphological Reinflection: CoNLL-2017 Shared Task</i> Akhilesh Sudhakar and Anil Kumar Singh	71
<i>If you can't beat them, join them: the University of Alberta system description</i> Garrett Nicolai, Bradley Hauer, Mohammad Motallebi, Saeed Najafi and Grzegorz Kondrak . . .	79
<i>Character Sequence-to-Sequence Model with Global Attention for Universal Morphological Reinflection</i> Qile Zhu, Yanjun Li and Xiaolin Li	85
<i>Data Augmentation for Morphological Reinflection</i> Miikka Silfverberg, Adam Wiemerslage, Ling Liu and Lingshuang Jack Mao	90
<i>Seq2seq for Morphological Reinflection: When Deep Learning Fails</i> Hajime Senuma and Akiko Aizawa	100
<i>SU-RUG at the CoNLL-SIGMORPHON 2017 shared task: Morphological Inflection with Attentional Sequence-to-Sequence Models</i> Robert Östling and Johannes Bjerva	110