

Workshop on Deep Learning Approaches for Low-Resource Natural Language Processing 2018

Held at ACL 2018

Melbourne, Australia
19 July 2018

ISBN: 978-1-5108-6721-5

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© (2018) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2018)

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>Character-level Supervision for Low-resource POS Tagging</i> Katharina Kann, Johannes Bjerva, Isabelle Augenstein, Barbara Plank and Anders Søgaard	1
<i>Training a Neural Network in a Low-Resource Setting on Automatically Annotated Noisy Data</i> Michael A. Hedderich and Dietrich Klakow	12
<i>Multi-task learning for historical text normalization: Size matters</i> Marcel Bollmann, Anders Søgaard and Joachim Bingel	19
<i>Compositional Language Modeling for Icon-Based Augmentative and Alternative Communication</i> Shiran Dudy and Steven Bedrick	25
<i>Multimodal Neural Machine Translation for Low-resource Language Pairs using Synthetic Data</i> Koel Dutta Chowdhury, Mohammed Hasanuzzaman and Qun Liu	33
<i>Multi-Task Active Learning for Neural Semantic Role Labeling on Low Resource Conversational Corpus</i> Fariz Ikhwantri, Samuel Louvan, Kemal Kurniawan, Bagas Abisena, Valdi Rachman, Alfian Farizki Wicaksono and Rahmad Mahendra	43
<i>Domain Adapted Word Embeddings for Improved Sentiment Classification</i> Prathusha Kameswara Sarma, Yingyu Liang and Bill Sethares	51
<i>Investigating Effective Parameters for Fine-tuning of Word Embeddings Using Only a Small Corpus</i> Kanako Komiya and Hiroyuki Shinnou	60
<i>Semi-Supervised Learning with Auxiliary Evaluation Component for Large Scale e-Commerce Text Classification</i> Mingkuan Liu, Musen Wen, Selcuk Kopru, Xianjing Liu and Alan Lu	68
<i>Low-rank passthrough neural networks</i> Antonio Valerio Miceli Barone	77