

16th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2021)

Student Research Workshop

Held online due to COVID-19

Kiev, Ukraine
21 – 23 April 2021

ISBN: 978-1-7138-2915-7

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© (2021) by the Association for Computational Linguistics
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

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>Computationally Efficient Wasserstein Loss for Structured Labels</i> Ayato Toyokuni, Sho Yokoi, Hisashi Kashima and Makoto Yamada	1
<i>Have Attention Heads in BERT Learned Constituency Grammar?</i> Ziyang Luo	8
<i>Do we read what we hear? Modeling orthographic influences on spoken word recognition</i> Nicole Macher, Badr M. Abdullah, Harm Brouwer and Dietrich Klakow	16
<i>PENELOPIE: Enabling Open Information Extraction for the Greek Language through Machine Translation</i> Dimitris Papadopoulos, Nikolaos Papadakis and Nikolaos Matsatsinis	23
<i>A Computational Analysis of Vagueness in Revisions of Instructional Texts</i> Alok Debnath and Michael Roth	30
<i>A reproduction of Apple’s bi-directional LSTM models for language identification in short strings</i> Mads Tofttrup, Søren Asger Sørensen, Manuel R. Ciosici and Ira Assent	36
<i>Automatically Cataloging Scholarly Articles using Library of Congress Subject Headings</i> Nazmul Kazi, Nathaniel Lane and Indika Kahanda	43
<i>Model Agnostic Answer Reranking System for Adversarial Question Answering</i> Sagnik Majumder, Chinmoy Samant and Greg Durrett	50
<i>BERT meets Cranfield: Uncovering the Properties of Full Ranking on Fully Labeled Data</i> Negin Ghasemi and Djoerd Hiemstra	58
<i>Siamese Neural Networks for Detecting Complementary Products</i> Marina Angelovska, Sina Sheikholeslami, Bas Dunn and Amir H. Payberah	65
<i>Contrasting distinct structured views to learn sentence embeddings</i> Antoine Simoulin and Benoit Crabbé	71
<i>Discrete Reasoning Templates for Natural Language Understanding</i> Hadeel Al-Negheimish, Pranava Madhyastha and Alessandra Russo	80
<i>Multilingual Email Zoning</i> Bruno Jardim, Ricardo Rei and Mariana S. C. Almeida	88
<i>Familiar words but strange voices: Modelling the influence of speech variability on word recognition</i> Alexandra Mayn, Badr M. Abdullah and Dietrich Klakow	96
<i>Emoji-Based Transfer Learning for Sentiment Tasks</i> Susann Boy, Dana Ruiter and Dietrich Klakow	103
<i>A Little Pretraining Goes a Long Way: A Case Study on Dependency Parsing Task for Low-resource Morphologically Rich Languages</i> Jivnesh Sandhan, Amrith Krishna, Ashim Gupta, Laxmidhar Behera and Pawan Goyal	111
<i>Development of Conversational AI for Sleep Coaching Programme</i> Heereen Shim	121

<i>Relating Relations: Meta-Relation Extraction from Online Health Forum Posts</i> Daniel Stickley	129
<i>Towards Personalised and Document-level Machine Translation of Dialogue</i> Sebastian Vincent	137
<i>Semantic-aware transformation of short texts using word embeddings: An application in the Food Computing domain</i> Andrea Morales-Garzón, Juan Gómez-Romero and Maria J. Martin-Bautista	148
<i>TMR: Evaluating NER Recall on Tough Mentions</i> Jingxuan Tu and Constantine Lignos	155
<i>The Effectiveness of Morphology-aware Segmentation in Low-Resource Neural Machine Translation</i> Jonne Saleva and Constantine Lignos	164
<i>Making Use of Latent Space in Language GANs for Generating Diverse Text without Pre-training</i> Takeshi Kojima, Yusuke Iwasawa and Yutaka Matsuo	175
<i>Beyond the English Web: Zero-Shot Cross-Lingual and Lightweight Monolingual Classification of Registers</i> Liina Repo, Valtteri Skantsi, Samuel Rönqvist, Saara Hellström, Miika Oinonen, Anna Salmela, Douglas Biber, Jesse Egbert, Sampo Pyysalo and Veronika Laippala	183
<i>Explaining and Improving BERT Performance on Lexical Semantic Change Detection</i> Severin Laicher, Sinan Kurtiyigit, Dominik Schlechtweg, Jonas Kuhn and Sabine Schulte im Walde	192
<i>Why Find the Right One?</i> Payal Khullar	203