

26th Conference on Computational Natural Language Learning (CoNLL 2022)

Abu Dhabi, United Arab Emirates and Online
7-8 December 2022

ISBN: 978-1-7138-6762-3

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© (2022) by the Association for Computational Linguistics
All rights reserved.

Printed with permission by Curran Associates, Inc. (2023)

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>A Multilingual Bag-of-Entities Model for Zero-Shot Cross-Lingual Text Classification</i>	
Sosuke Nishikawa, Ikuya Yamada, Yoshimasa Tsuruoka and Isao Echizen	1
<i>Collateral facilitation in humans and language models</i>	
James Michaelov and Benjamin Bergen	13
<i>How Hate Speech Varies by Target Identity: A Computational Analysis</i>	
Michael Yoder, Lynnette Ng, David West Brown and Kathleen Carley	27
<i>Continual Learning for Natural Language Generations with Transformer Calibration</i>	
Peng Yang, Dingcheng Li and Ping Li	40
<i>That's so cute!: The CARE Dataset for Affective Response Detection</i>	
Jane Yu and Alon Halevy	50
<i>A Fine-grained Interpretability Evaluation Benchmark for Neural NLP</i>	
Lijie Wang, Yaozong Shen, Shuyuan Peng, Shuai Zhang, Xinyan Xiao, Hao Liu, Hongxuan Tang, Ying Chen, Hua Wu and Haifeng Wang	70
<i>Towards More Natural Artificial Languages</i>	
Mark Hopkins	85
<i>Causal Analysis of Syntactic Agreement Neurons in Multilingual Language Models</i>	
Aaron Mueller, Yu Xia and Tal Linzen	95
<i>Combining Noisy Semantic Signals with Orthographic Cues: Cognate Induction for the Indic Dialect Continuum</i>	
Niyati Bafna, Josef van Genabith, Cristina España-Bonet and Zdeněk Žabokrtský	110
<i>Detecting Unintended Social Bias in Toxic Language Datasets</i>	
Nihar Sahoo, Himanshu Gupta and Pushpak Bhattacharyya	132
<i>Incremental Processing of Principle B: Mismatches Between Neural Models and Humans</i>	
Forrest Davis	144
<i>Parsing as Deduction Revisited: Using an Automatic Theorem Prover to Solve an SMT Model of a Minimalist Parser</i>	
Sagar Indurkha	157
<i>Entailment Semantics Can Be Extracted from an Ideal Language Model</i>	
William Merrill, Alex Warstadt and Tal Linzen	176
<i>On Neurons Invariant to Sentence Structural Changes in Neural Machine Translation</i>	
Gal Patel, Leshem Choshen and Omri Abend	194
<i>Shared knowledge in natural conversations: can entropy metrics shed light on information transfers?</i>	
Eliot Maës, Philippe Blache and Leonor Becerra	213
<i>Leveraging a New Spanish Corpus for Multilingual and Cross-lingual Metaphor Detection</i>	
Elisa Sanchez-Bayona and Rodrigo Agerri	228
<i>Cognitive Simplification Operations Improve Text Simplification</i>	
Eytan Chamovitz and Omri Abend	241

<i>On Language Spaces, Scales and Cross-Lingual Transfer of UD Parsers</i>	
Tanja Samardžić, Ximena Gutierrez-Vasques, Rob van der Goot, Max Müller-Eberstein, Olga Pelloni and Barbara Plank	266
<i>Visual Semantic Parsing: From Images to Abstract Meaning Representation</i>	
Mohamed Ashraf Abdelsalam, Zhan Shi, Federico Fancellu, Kalliopi Basioti, Dhaivat Bhatt, Vladimir Pavlovic and Afsaneh Fazly	282
<i>Syntactic Surprisal From Neural Models Predicts, But Underestimates, Human Processing Difficulty From Syntactic Ambiguities</i>	
Suhas Arehalli, Brian Dillon and Tal Linzen	301
<i>OpenStance: Real-world Zero-shot Stance Detection</i>	
Hanzi Xu, Slobodan Vucetic and Wenpeng Yin.....	314
<i>Optimizing text representations to capture (dis)similarity between political parties</i>	
Tanise Ceron, Nico Blokker and Sebastian Padó	325
<i>Computational cognitive modeling of predictive sentence processing in a second language</i>	
Umesh Patil and Sol Lago	339
<i>PIE-QG: Paraphrased Information Extraction for Unsupervised Question Generation from Small Corpora</i>	
Dinesh Nagumothu, Bahadorreza Ofoghi, Guangyan Huang and Peter Eklund.....	350
<i>Probing for targeted syntactic knowledge through grammatical error detection</i>	
Christopher Davis, Christopher Bryant, Andrew Caines, Marek Rei and Paula Butterly	360
<i>An Alignment-based Approach to Text Segmentation Similarity Scoring</i>	
Gerardo Ocampo Diaz and Jessica Ouyang	374
<i>Enhancing the Transformer Decoder with Transition-based Syntax</i>	
Leshem Choshen and Omri Abend.....	384
<i>Characterizing Verbatim Short-Term Memory in Neural Language Models</i>	
Kristijan Armeni, Christopher Honey and Tal Linzen	405