6th Workshop on Cognitive Aspects of the Lexicon 2020 (CogALex VI)

Held online due to COVID-19

Barcelona, Spain 12 December 2020

ISBN: 978-1-7138-2823-5

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© (2020) by the Association for Computational Linguistics All rights reserved.

Copyright for individual papers remains with the authors and are licensed under a Creative Commons 4.0 license. (https://creativecommons.org/licenses/by-nd/4.0/)

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

Individual corpora predict fast memory retrieval during reading Markus J. Hofmann, Lara Müller, Andre Rölke, Ralph Radach and Chris Biemann
Investigating Rich Feature Sources for Conceptual Representation Encoding Lu Cao, Yulong Chen, Dandan Huang and Yue Zhang
General patterns and language variation: Word frequencies across English, German, and Chinese Annika Tjuka
Less is Better: A cognitively inspired unsupervised model for language segmentation Jinbiao Yang, Stefan L. Frank and Antal van den Bosch
The CogALex Shared Task on Monolingual and Multilingual Identification of Semantic Relations Rong Xiang, Emmanuele Chersoni, Luca Iacoponi and Enrico Santus
Extracting meaning by idiomaticity: Description of the HSemID system at CogALex VI (2020) Jean-Pierre Colson
CogALex-VI Shared Task: Transrelation - A Robust Multilingual Language Model for Multilingual Relation Identification Lennart Wachowiak, Christian Lang, Barbara Heinisch and Dagmar Gromann
CogALex-VI Shared Task: Bidirectional Transformer based Identification of Semantic Relations Saurav Karmakar and John P. McCrae
Leveraging Contextual Embeddings and Idiom Principle for Detecting Idiomaticity in Potentially Idiomatic Expressions REYHANEH HASHEMPOUR and Aline Villavicencio
Definition Extraction Feature Analysis: From Canonical to Naturally-Occurring Definitions Mireia Roig Mirapeix, Luis Espinosa Anke and Jose Camacho-Collados 81
Speech Disfluencies occur at Higher Perplexities Priyanka Sen
Bilingual Lexical Access and Cognate Idiom Comprehension Eve Fleisig
Schwa-deletion in German noun-noun compounds Tom S Juzek and Jana Haeussler
Translating Collocations: The Need for Task-driven Word Associations Oi Yee Kwong
Characterizing Dynamic Word Meaning Representations in the Brain Nora Aguirre-Celis and Risto Miikkulainen
Contextualized Word Embeddings Encode Aspects of Human-Like Word Sense Knowledge Sathvik Nair, Mahesh Srinivasan and Stephan Meylan
Automatic Word Association Norms (AWAN) Jorge Reyes-Magaña, Gerardo Sierra Martínez, Gemma Bel-Enguix and Helena Gomez-Adorno 142