

12th Global Wordnet Conference (GWC 2023)

Donostia-San Sebastian, Spain
23-27 January 2023

Editors:

German Rigau
Francis Bond
Alexandre Rademaker

ISBN: 978-1-7138-9088-1

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© (2023) by the Global WordNet Association
All rights reserved.

Printed with permission by Curran Associates, Inc. (2024)

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

Probing Taxonomic and Thematic Embeddings for Taxonomic Information	1
<i>Filip Klubička and John Kelleher</i>	
A WordNet View on Crosslingual Transformers	14
<i>Wondimagegnhue Tufa, Lisa Beinborn and Piek Vossen</i>	
What to Make of make? Sense Distinctions for Light Verbs	25
<i>Julie Kallini and Christiane Fellbaum</i>	
Towards Effective Correction Methods Using WordNet Meronymy Relations	31
<i>Javier Álvarez, Itziar Gonzalez-Dios and German Rigau</i>	
On the Acquisition of WordNet Relations in Portuguese from Pretrained Masked Language Models	41
<i>Hugo Gonçalo Oliveira</i>	
Wordnet for Definition Augmentation with Encoder-Decoder Architecture	50
<i>Konrad Wojtasik, Arkadiusz Janz and Maciej Piasecki</i>	
Data Augmentation Method for Boosting Multilingual Word Sense Disambiguation	60
<i>Arkadiusz Janz and Marek Maziarz</i>	
Mapping Wordnets on the Fly with Permanent Sense Keys	67
<i>Eric Kafe</i>	
Linking the Sanskrit WordNet to the Vedic Dependency Treebank: a pilot study	77
<i>Erica Biagetti, Chiara Zanchi and Silvia Luraghi</i>	
StarNet: A WordNet Editor Interface	84
<i>Oğuzhan Kuyrukçu, Ezgi Sanıyar and Olcay Taner Yildiz</i>	
Identifying FrameNet Lexical Semantic Structures for Knowledge Graph Extraction from Financial Customer Interactions	91
<i>Cécile Robin, Atharva Kulkarni and Paul Buitelaar</i>	
Some Considerations in the Construction of a Historical Language WordNet	101
<i>Fahad Khan, John P. McCrae, Francisco Javier Minaya Gómez, Rafael Cruz González and Javier E. Díaz-Vera</i>	
Hidden in Plain Sight: Can German Wiktionary and Wordnets Facilitate the Detection of Antithesis?	106
<i>Ramona Kuehn, Jelena Mitrović and Michael Granitzer</i>	
How do We Treat Systematic Polysemy in Wordnets and Similar Resources? – Using Human Intuition and Contextualized Embeddings as Guidance	117
<i>Nathalie Sørensen, Sanni Nimb and Bolette Pedersen</i>	
The Romanian Wordnet in Linked Open Data Format	127
<i>Elena Irimia and Verginica Mititelu</i>	
Combining WordNets with Treebanks to study idiomatic language: A pilot study on Rigvedic formulas through the lenses of the Sanskrit WordNet and the Vedic Treebank	133
<i>Luca Brigada Villa, Erica Biagetti, Riccardo Ginevra and Chiara Zanchi</i>	
Word Sense Disambiguation Based on Iterative Activation Spreading with Contextual Embeddings for Sense Matching	140

Arkadiusz Janz and Maciej Piasecki

Documenting the Open Multilingual Wordnet	150
<i>Francis Bond, Michael Wayne Goodman, Ewa Rudnicka, Luis Morgado da Costa, Alexandre Rademaker and John P. McCrae</i>	
Mapping GermaNet for the Semantic Web using OntoLex-Lemon	158
<i>Claus Zinn, Marie Hinrichs and Erhard Hinrichs</i>	
Incorporating prepositions in the BulTreeBank WordNet	167
<i>Zara Kancheva</i>	
Are there just WordNets or also SignNets?	172
<i>Ineke Schuurman, Thierry Declerck, Caro Brosens, Margot Janssens, Vincent Vandeghinste and Bram Vanroy</i>	
The Japanese Wordnet 2.0	179
<i>Francis Bond and Takayuki Kuribayashi</i>	
Latvian WordNet	187
<i>Peteris Paikens, Agute Klints, Ilze Lokmane, Lauma Pretkalniņa, Laura Rituma, Madara Stāde and Laine Strankale</i>	
Initial Experiments for Building a Guarani WordNet	197
<i>Luis Chiruzzo, Marvin Agüero-Torales, Aldo Alvarez and Yliana Rodríguez</i>	
A CCGbank for Turkish: From Dependency to CCG	205
<i>Aslı Kuzgun, Oğuz Kerem Yıldız and Olcay Taner Yıldız</i>	
Reusing the Danish WordNet for a New Central Word Register for Danish - a Project Report . . .	214
<i>Bolette Pedersen, Sanni Nimb, Nathalie Sørensen, Sussi Olsen, Ida Flörke and Thomas Troelsgård</i>	
Recent Developments in BTB-WordNet	220
<i>Kiril Simov and Petya Osenova</i>	
Lexicalised and non-lexicalized multi-word expressions in WordNet: a cross-encoder approach . .	228
<i>Marek Maziarz, Łukasz Grabowski, Tadeusz Piotrowski, Ewa Rudnicka and Maciej Piasecki</i>	
Towards an RDF Representation of the Infrastructure consisting in using Wordnets as a conceptual Interlingua between multilingual Sign Language Datasets	235
<i>Thierry Declerck, Thomas Troelsgård and Sussi Olsen</i>	
Semantic Parsing and Sense Tagging the Princeton WordNet Gloss Corpus	243
<i>Alexandre Rademaker, Abhishek Basu and Rajkiran Veluri</i>	
Context-Gloss Augmentation for Improving Arabic Target Sense Verification	254
<i>Sanad Malaysha, Mustafa Jarrar and Mohammed Khalilia</i>	
The Open Cantonese Sense-Tagged Corpus	263
<i>Joanna Sio and Luis Morgado Da Costa</i>	
Correcting Sense Annotations Using Wordnets and Translations	269
<i>Arnob Mallik and Grzegorz Kondrak</i>	
A Benchmark and Scoring Algorithm for Enriching Arabic Synonyms	274
<i>Sana Ghanem, Mustafa Jarrar, Radi Jarrar and Ibrahim Bounhas</i>	
Expanding the Conceptual Description of Verbs in WordNet with Semantic and Syntactic Information	284

Ivelina Stoyanova and Svetlozara Leseva

An Experiment: Finding Parents for Parentless Synsets by Means of CILI 295

Ahti Lohk, Martin Rebane and Heili Orav

Extending the usage of adjectives in the Zulu AfWN 303

Laurette Marais and Laurette Pretorius

**Linking SIL Semantic Domains to Wordnet and Expanding the Abui Wordnet through Rapid Word
Collection Methodology** 315

*Luis Morgado Da Costa, František Kratochvíl, George Saad, Benidiktus Delpada, Daniel Simon Lanma,
Francis Bond, Natálie Wolfová and A.L. Blake*

Wordnet-oriented recognition of derivational relations 325

Wiktor Walentynowicz and Maciej Piasecki

**What do Language Models know about word senses? Zero-Shot WSD with Language Models and
Domain Inventories** 331

Oscar Sainz, Oier Lopez de Lacalle, Eneko Agirre and German Rigau

Resolving Multiple Hyperonymy 343

Svetla Koeva and Dimitar Hristov

Towards the integration of WordNet into ClinIDMap 352

Elena Zotova, Montse Cuadros and German Rigau

Connecting Multilingual Wordnets: Strategies for Improving ILI Classification in OdeNet 363

Melanie Siegel and Johann Bergh