LAW 2023

The 17th Linguistic Annotation Workshop (LAW-XVII) @ ACL 2023

Proceedings of the Workshop

July 13, 2023

The LAW organizers gratefully acknowledge the support from the following sponsors.



©2023 Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL) 209 N. Eighth Street Stroudsburg, PA 18360 USA Tel: +1-570-476-8006 Fax: +1-570-476-0860 acl@aclweb.org

ISBN 978-1-959429-83-8

Introduction

Linguistic annotation of natural language corpora is the backbone of supervised methods of statistical natural language processing. The Linguistic Annotation Workshop (LAW) is the annual workshop of the ACL Special Interest Group on Annotation (SIGANN), and it provides a forum for the presentation and discussion of innovative research on all aspects of linguistic annotation, including the creation and evaluation of annotation schemes, methods for automatic and manual annotation, use and evaluation of annotation software and frameworks, representation of linguistic data and annotations, semi-supervised "human in the loop" methods of annotation researchers to work towards standardization, best practices, and interoperability of annotation information and software. These proceedings include papers that were presented at the 17th Linguistic Annotation Workshop (LAW-XVII), co-located with ACL 2023 in Toronto, Canada, on July 13, 2023.

This edition of the workshop is the seventeenth meeting of the ACL Special Interest Group for Annotation. The first workshop took place in 2007 at the ACL in Prague. Since then, the LAW has been held every year, consistently drawing substantial participation (both in terms of paper/poster submissions and participation in the actual workshop) providing evidence that the LAW's overall focus continues to be an important area of interest in the field, a substantial part of which relies on supervised learning from gold standard data sets. This year, we received 51 submissions, out of which 26 papers have been accepted to be presented at the workshop. In addition, 9 papers accepted to the Findings of ACL 2023 have been invited to be presented at the LAW.

The papers presented at LAW-XVII cover phenomena in a diverse range of 23 languages: Ancient Greek, English, Turkish, German, Czech, Spanish, Bengali, Italian, Hungarian, French, Chinese, Arapaho, Arabic, Gujarati, Hebrew, Hausa, Hindi, Indonesian, Javanese, Kannada, Sundanese, Swahili, and Yoruba.

The special theme of LAW-XVII is *Ethics and Annotation*. The workshop includes a discussion session about various aspects of ethics related to annotation work, e.g., the treatment of annotators, psychological health of annotators, bias, ethics in crowd-sourcing annotation scenarios, or annotation of information regarding ethics in text. LAW-XVII also features invited talks by Emily Bender (University of Washington, USA), Anne Lauscher (University of Hamburg, Germany), and Lilian Wanzare (Maseno University, Kenya).

Our thanks go to SIGANN, our organizing committee, for their continuing organization of the LAW workshops, and to the ACL 2023 workshop chairs, Eduardo Blanco, Yang Feng, and Annie Louis, for their support. Most of all, we would like to thank all the authors for submitting their papers to the workshop and our program committee members for their dedication and their extremely thoughtful reviews.

The LAW-XVII Program Co-Chairs: Jakob Prange and Annemarie Friedrich

Organizing Committee

Program Chairs

Jakob Prange, The Hong Kong Polytechnic University Annemarie Friedrich, University of Augsburg

SIGANN President

Amir Zeldes, Georgetown University

SIGANN Secretary

Ines Rehbein, Mannheim University

Remote Session Chairs

Heike Zinsmeister, Universität Hamburg Djamé Seddah, Inria

SIGANN Officers

Claire Bonial, US Army Research Laboratory Stefanie Dipper, Ruhr-Universität Bochum Chu-Ren Huang, The Hong Kong Polytechnic University Jena D. Hwang, Allen Institute for AI Sandra Kübler, Indiana University Lori Levin, Carnegie-Mellon University Adam Meyers, New York University Antonio Pareja-Lora, Universidad de Alcalá (UAH) / FITISPos (UAH) / ATLAS (UNED) / DMEG (UdG) Massimo Poesio, Queen Mary University of London Sameer Pradhan, LDC, Cemantix Nancy Ide, Vassar College Nathan Schneider, Georgetown University Manfred Stede, Universität Potsdam Katrin Tomanek, Google Fei Xia, University of Washington Nianwen Xue, Brandeis University Deniz Zeyrek, Middle East Technical University

Invited Speakers

Emily M. Bender, University of Washington Lilian D. A. Wanzare, Maseno University Anne Lauscher, University of Hamburg

Program Committee

Program Committee

Omri Abend, The Hebrew University of Jerusalem Melanie Andresen, Universität Stuttgart Aditya Bhargava, University of Toronto Claire Bonial, US Army Research Lab Miriam Butt, University of Konstanz Emmanuele Chersoni, The Hong Kong Polytechnic University Christian Chiarcos, Goethe-Universität Frankfurt am Main Kathryn Conger, Universitiy of Colorado, Boulder Daniel Dakota, Indiana University Marie-Catherine De Marneffe, The Ohio State University Stefanie Dipper, Ruhr-Universität Bochum Lucia Donatelli, Vrije Universiteit Amsterdam Jonathan Dunn, University of Canterbury Markus Egg, Humboldt-Universität zu Berlin Kim Gerdes, Paris-Saclay University Luke Gessler, Georgetown University Jinghang Gu, The Hong Kong Polytechnic University Udo Hahn, Friedrich-Schiller-Universitaet Jena Andrea Horbach, Universität Hildesheim Jena D. Hwang, Allen Institute for AI Nancy Ide, Vassar College/Brandeis University Michael Kranzlein, Georgetown University Sandra Kübler, Indiana University Ekaterina Lapshinova-Koltunski, Stiftung Universität Hildesheim Katja Markert, Heidelberg University Adam Meyers, New York University Philippe Muller, IRIT, University of Toulouse Anna Nedoluzhko, Charles University in Prague Simon Ostermann, German Research Center for Artificial Intelligence (DFKI) Alexis Palmer, University of Colorado Boulder Antonio Pareja-Lora, Universidad de Alcalá (UAH) / FITISPos (UAH) / ATLAS (UNED) / DMEG (UdG) Siyao Peng, Georgetown University Miriam R. L. Petruck, FrameNet Barbara Plank, LMU Munich Massimo Poesio, Queen Mary University of London James Pustejovsky, Brandeis University Ines Rehbein, University of Mannheim Michael Roth, University of Stuttgart Josef Ruppenhofer, FernUniversität in Hagen Nathan Schneider, Georgetown University Djamé Seddah, Inria Ludovic Tanguy, CLLE: University of Toulouse & CNRS Joel Tetreault, Dataminr Lilian Diana Awuor Wanzare, Maseno University Bonnie Webber, University of Edinburgh

Michael Wiegand, Alpen-Adria-Universitaet Klagenfurt Fei Xia, University of Washington Nianwen Xue, Brandeis University Amir Zeldes, Georgetown University Winnie Huiheng Zeng, The Hong Kong Polytechnic University Deniz Zeyrek, Middle East Technical University Heike Zinsmeister, Universität Hamburg

Table of Contents

Medieval Social Media: Manual and Automatic Annotation of Byzantine Greek Marginal Writing Colin Swaelens, Ilse De Vos and Els Lefever
Orpheus Came to His End by Being Struck by a Thunderbolt": Annotating Events in Mythological Sequences Franziska Pannach
Difficulties in Handling Mathematical Expressions in Universal Dependencies Lauren Levine 19
A Dataset for Physical and Abstract Plausibility and Sources of Human Disagreement Annerose Eichel and Sabine Schulte Im Walde
Annotating and Disambiguating the Discourse Usage of the Enclitic dA in Turkish Ebru Ersöyleyen, Deniz Zeyrek and Fırat Öter46
An Active Learning Pipeline for NLU Error Detection in Conversational Agents Damian Pascual, Aritz Bercher, Akansha Bhardwaj, Mingbo Cui, Dominic Kohler, Liam Van Der Poel and Paolo Rosso
Multi-layered Annotation of Conversation-like Narratives in German Magdalena Repp, Petra B. Schumacher and Fahime Same
Crowdsourcing on Sensitive Data with Privacy-Preserving Text Rewriting Nina Mouhammad, Johannes Daxenberger, Benjamin Schiller and Ivan Habernal
<i>Extending an Event-type Ontology: Adding Verbs and Classes Using Fine-tuned LLMs Suggestions</i> Jana Straková, Eva Fučíková, Jan Hajič and Zdeňka Urešová
Temporal and Second Language Influence on Intra-Annotator Agreement and Stability in Hate SpeechLabellingGavin Abercrombie, Dirk Hovy and Vinodkumar Prabhakaran96
 BenCoref: A Multi-Domain Dataset of Nominal Phrases and Pronominal Reference Annotations Shadman Rohan, Mojammel Hossain, Mohammad Mamun Or Rashid and Nabeel Mohammed 104
Annotators-in-the-loop: Testing a Novel Annotation Procedure on Italian Case Law Emma Zanoli, Matilde Barbini, Davide Riva, Sergio Picascia, Emanuela Furiosi, Stefano D'Ancona and Cristiano Chesi
Annotating Decomposition in Time: Three Approaches for Again Martin Kopf and Remus Gergel
 How Good Is the Model in Model-in-the-loop Event Coreference Resolution Annotation? Shafiuddin Rehan Ahmed, Abhijnan Nath, Michael Regan, Adam Pollins, Nikhil Krishnaswamy and James H. Martin
Pragmatic Annotation of Articles Related to Police Brutality Tess Feyen, Alda Mari and Paul Portner 146
The RST Continuity Corpus Debopam Das and Markus Egg

<i>GENTLE: A Genre-Diverse Multilayer Challenge Set for English NLP and Linguistic Evaluation</i> Tatsuya Aoyama, Shabnam Behzad, Luke Gessler, Lauren Levine, Jessica Lin, Yang Janet Liu, Siyao Peng, Yilun Zhu and Amir Zeldes
A Study on Annotation Interfaces for Summary Comparison Sian Gooding, Lucas Werner and Victor Cărbune
A Question Answering Benchmark Database for Hungarian Attila Novák, Borbála Novák, Tamás Zombori, Gergő Szabó, Zsolt Szántó and Richárd Farkas188
<i>No Strong Feelings One Way or Another: Re-operationalizing Neutrality in Natural Language Inference</i> Animesh Nighojkar, Antonio Laverghetta Jr. and John Licato
<i>UMR-Writer 2.0: Incorporating a New Keyboard Interface and Workflow into UMR-Writer</i> Sijia Ge, Jin Zhao, Kristin Wright-bettner, Skatje Myers, Nianwen Xue and Martha Palmer 211
Unified Syntactic Annotation of English in the CGEL Framework Brett Reynolds, Aryaman Arora and Nathan Schneider
Annotating Discursive Roles of Sentences in Patent Descriptions Lufei Liu, Xu Sun, François Veltz and Kim Gerdes
<i>The Effect of Alignment Correction on Cross-Lingual Annotation Projection</i> Shabnam Behzad, Seth Ebner, Marc Marone, Benjamin Van Durme and Mahsa Yarmohammadi 244
When Do Annotator Demographics Matter? Measuring the Influence of Annotator Demographics with the POPQUORN Dataset Jiaxin Pei and David Jurgens252
Enriching the NArabizi Treebank: A Multifaceted Approach to Supporting an Under-Resourced Lan- guage
Arij Riabi, Menel Mahamdi and Djamé Seddah 266

Program

Thursday, July 13, 2023

- 08:45 09:00 *Opening Remarks*
- 09:00 09:45 Invited Talk 1
- 09:45 11:15 Onsite/remote Poster Sessions 1 (Coffee served from 10:30 to 11:00)
- 11:15 12:00 Invited Talk 2
- 12:00 14:00 Lunch Break
- 14:00 15:00 Invited Talk 3
- 15:00 15:30 Theme Paper Highlights Session
- 15:30 17:00 Onsite/remote Poster Sessions 2 (Coffee served from 15:30 to 16:00)
- 17:00 17:45 Discussion Session
- 17:45 18:00 Closing Remarks