

CODI 2025

**The 6th Workshop on Computational Approaches to
Discourse, Context and Document-Level Inferences (CODI
2025)**

Proceedings of the Workshop

November 9, 2025

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

Sponsor



©2025 Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
317 Sidney Baker St. S
Suite 400 - 134
Kerrville, TX 78028
USA
Tel: +1-855-225-1962
acl@aclweb.org

ISBN 979-8-89176-343-2

Preface

Welcome to the 6th Workshop on Computational Approaches to Discourse, Context and Document-Level Inferences (CODI-2025), co-organized with the 8th Workshop on Computational Models of Reference, Anaphora and Coreference (CRAC) and co-located with EMNLP 2025 in Suzhou, China!

CODI provides a venue to bring together researchers working on all aspects of discourse in Computational Linguistics, NLP and AI. Our aim is to foster an active and collaborative community around discourse processing by offering a platform to present and exchange theories, algorithms, software, datasets, and tools, as well as to discuss emerging challenges, new ideas, and future directions in the field.

The workshop consists of invited talks, contributed papers, extended abstracts, and EMNLP Findings presentations. We received paper submissions that span a wide range of topics, addressing issues related to discourse representation and parsing, connectives, entity tracking, discourse benchmarks, ambiguity, computational discourse and stance analysis, dialogue, applications, and more. As the workshop is hybrid this year, papers are presented live either in person or remotely and discussed during live Q&A sessions. We received 28 submissions, and accepted 14 regular long papers, 5 regular short papers, as well as 3 non-archival communications (Findings and extended abstracts). We accepted a total of 22 articles among the 28 regular submissions, 15 of which were presented in person and 6 are presented orally. We also organized two poster sessions this year, in order to encourage discussions.

This year the workshop hosted the fourth edition of the DISRPT shared task on Discourse Relation Parsing and Treebanking (DISRPT 2025), whose five submissions form part of a separate shared task proceedings volume. The workshop also included a discussion on future shared tasks, and sessions on coreference and anaphora resolution organized by CRAC, for which papers are also published in a separate proceedings volume.

We thank our invited speakers, **Nancy Chen** (Multimodal Generative AI Group Leader at the Institute for Infocomm Research and AI for Education Head at A*STAR) and **Tanya Goyal** (Assistant Professor in the Department of Computer Science at Cornell University). They helped us to prepare an excellent and well-rounded workshop program. We would also like to thank the EMNLP 2025 workshop chairs, Sunipa Dev, Maja Popović and Eleftherios Avramidis, who organized the workshops program.

Finally, we thank our sponsor HITS, Heidelberg Institute for Theoretical Studies <https://www.h-its.org>.

The CODI Organizers,

Chloé Braud, Christian Hardmeier, Chuyuan Li, Junyi Jessy Li, Sharid Loáiciga, Michael Strube and Amir Zeldes

Program Committee

Program Committee

Giuseppe Carenini, university of british columbia
Jackie Chi Kit Cheung, Mila / McGill University
Elisa Ferracane, Abridge AI, Inc.
Mark Finlayson, FIU
Zhengxian Gong, Computer science and technology school, soochow university
Jie He, University of Edinburgh
Veronique Hoste, LT3, Ghent University
Cassandra L. Jacobs, University at Buffalo
Yangfeng Ji, University of Virginia
Murathan Kurfali, RISE Research Institutes of Sweden
Sobha Lalitha Devi, AU-KBC Research Centre, Anna University
Wanqiu Long, The University of Edinburgh
Anna Nedoluzhko, Charles University in Prague
Jingcheng Niu, University of Toronto
Gerald Penn, University of Toronto
Hannah Rohde, University of Edinburgh
Ahmed Ruby, Uppsala university
Hannah Seemann, Ruhr-University
Bonnie Webber, University of Edinburgh
Suncheng Xiang, Shanghai Jiao Tong University
Deniz Zeyrek, Middle East Technical University
Zheng Zhao, University of Edinburgh

Table of Contents

<i>Long Context Benchmark for the Russian Language</i> Igor Churin, Murat Apishev, Maria Tikhonova, Denis Shevelev, Aydar Bulatov, Yuri Kuratov, Sergei Averkiev and Alena Fenogenova	1
<i>Unpacking Ambiguity: The Interaction of Polysemous Discourse Markers and Non-DM Signals</i> Jingni Wu and Amir Zeldes	14
<i>Enhancing the Automatic Classification of Metadiscourse in Low-Proficiency Learners' Spoken and Written English Texts Using XLNet</i> Wenwen Guan, Marijn Alta and Jelke Bloem	27
<i>Entity Tracking in Small Language Models: An Attention-Based Study of Parameter-Efficient Fine- Tuning</i> Sungho Jeon and Michael Strube	42
<i>Stance Detection on Nigerian 2023 Election Tweets Using BERT: A Low-Resource Transformer-Based Approach</i> Mahmoud Ahmad and Habeebah Kakudi	54
<i>Code-switching in Context: Investigating the Role of Discourse Topic in Bilingual Speech Production</i> Debasmita Bhattacharya, Anxin Yi, Siying Ding and Julia Hirschberg	64
<i>Otherwisein Context: Exploring Discourse Functions with Language Models</i> Guifu Liu, Bonnie Webber and Hannah Rohde	81
<i>On the Role of Context for Discourse Relation Classification in Scientific Writing</i> Stephen Wan, Wei Liu and Michael Strube	96
<i>Zero-Shot Belief: A Hard Problem for LLMs</i> John Murzaku and Owen Rambow	107
<i>Probing the Limits of Multilingual Language Understanding: Low-Resource Language Proverbs as LLM Benchmark for AI Wisdom</i> Surendrabikram Thapa, Kritesh Rauniyar, Hariram Veeramani, Surabhi Adhikari, Imran Razzak and Usman Naseem	120
<i>Measuring Sexism in US Elections: A Comparative Analysis of X Discourse from 2020 to 2024</i> Anna Fuchs, Elisa Noltenius, Caroline Weinzierl, Bolei Ma and Anna-Carolina Haensch	130
<i>Discourse Relation Recognition with Language Models Under Different Data Availability</i> Shuhaib Mehri, Chuyuan Li and Giuseppe Carenini	148
<i>EmbiText: Embracing Ambiguity by Annotation, Recognition and Generation of Pronominal Reference with Event-Entity Ambiguity</i> Amna Sheikh and Christian Hardmeier	157
<i>Human and LLM-based Assessment of Teaching Acts in Expert-led Explanatory Dialogues</i> Aliko Anagnostopoulou, Nils Feldhus, Yi-Sheng Hsu, Milad Alshomary, Henning Wachsmuth and Daniel Sonntag	166
<i>Where Frameworks (Dis)agree: A Study of Discourse Segmentation</i> Maciej Ogrodniczuk, Anna Latusek, Karolina Saputa, Alina Wróblewska, Daniel Ziembicki, Bar- tosz Żuk, Martyna Lewandowska, Adam Okraśiński, Paulina Rosalska, Anna Śliwicka, Aleksandra Tomaszewska and Sebastian Żurowski	182

<i>Bridging Discourse Treebanks with a Unified Rhetorical Structure Parser</i>	
Elena Chistova	197
<i>Corpus-Oriented Stance Target Extraction</i>	
Benjamin Steel and Derek Ruths	209
<i>Information-Theoretic and Prompt-Based Evaluation of Discourse Connective Edits in Instructional Text Revisions</i>	
Berfin Aktas and Michael Roth	228

Program

Sunday, November 9, 2025

09:00 - 09:10	<i>Opening Remarks</i>
09:10 - 10:00	<i>Invited Talk - Nancy F. Chen: From Speech to Sense: The Art of Listening in Artificial Intelligence</i>
10:00 - 10:15	<i>CRAC 2024 Shared Task on Multilingual Coreference Resolution</i>
10:15 - 10:30	<i>Discourse Relation Parsing and Treebanking (DISRPT) Shared Task</i>
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 12:00	<i>Poster Session 1</i>
	<i>Code-switching in Context: Investigating the Role of Discourse Topic in Bilingual Speech Production</i> Debasmita Bhattacharya, Anxin Yi, Siying Ding and Julia Hirschberg
	<i>Discourse Relation Recognition with Language Models Under Different Data Availability</i> Shuhaib Mehri, Chuyuan Li and Giuseppe Carenini
	<i>Where Frameworks (Dis)agree: A Study of Discourse Segmentation</i> Maciej Ogrodniczuk, Anna Latusek, Karolina Saputa, Alina Wróblewska, Daniel Ziembicki, Bartosz Żuk, Martyna Lewandowska, Adam Okrański, Paulina Rosalska, Anna Śliwicka, Aleksandra Tomaszewska and Sebastian Żurowski
	<i>Information-Theoretic and Prompt-Based Evaluation of Discourse Connective Edits in Instructional Text Revisions</i> Berfin Aktas and Michael Roth
	<i>Joint Modeling of Entities and Discourse Relations for Coherence Assessment</i> Wei Liu and Michael Strube
12:00 - 13:30	<i>Lunch</i>
13:30 - 14:20	<i>Invited Talk - Tanya Goyal: Climbing the Right Hill: On Benchmarking Progress in Long-Form Text Processing</i>
14:20 - 15:30	<i>Poster Session 2</i>

Sunday, November 9, 2025 (continued)

Long Context Benchmark for the Russian Language

Igor Churin, Murat Apishev, Maria Tikhonova, Denis Shevelev, Aydar Bulatov, Yuri Kuratov, Sergei Averkiev and Alena Fenogenova

Enhancing the Automatic Classification of Metadiscourse in Low-Proficiency Learners' Spoken and Written English Texts Using XLNet

Wenwen Guan, Marijn Alta and Jelke Bloem

Stance Detection on Nigerian 2023 Election Tweets Using BERT: A Low-Resource Transformer-Based Approach

Mahmoud Ahmad and Habeebah Kakudi

Otherwisein Context: Exploring Discourse Functions with Language Models

Guifu Liu, Bonnie Webber and Hannah Rohde

On the Role of Context for Discourse Relation Classification in Scientific Writing

Stephen Wan, Wei Liu and Michael Strube

Automated Conspiracy Narrative Detection Across Social Media Platforms

Calvin Yixiang Cheng and Mohsen Mosleh

Zero-Shot Belief: A Hard Problem for LLMs

John Murzaku and Owen Rambow

Probing the Limits of Multilingual Language Understanding: Low-Resource Language Proverbs as LLM Benchmark for AI Wisdom

Surendrabikram Thapa, Kritesh Rauniyar, Hariram Veeramani, Surabhi Adhikari, Imran Razzak and Usman Naseem

Measuring Sexism in US Elections: A Comparative Analysis of X Discourse from 2020 to 2024

Anna Fuchs, Elisa Noltenius, Caroline Weinzierl, Bolei Ma and Anna-Carolina Haensch

EmbiText: Embracing Ambiguity by Annotation, Recognition and Generation of Pronominal Reference with Event-Entity Ambiguity

Amna Sheikh and Christian Hardmeier

Human and LLM-based Assessment of Teaching Acts in Expert-led Explanatory Dialogues

Aliki Anagnostopoulou, Nils Feldhus, Yi-Sheng Hsu, Milad Alshomary, Henning Wachsmuth and Daniel Sonntag

Sunday, November 9, 2025 (continued)

Multi-token Mask-filling and Implicit Discourse Relations

Meinan Liu, Yunfang Dong, Xixian Liao and Bonnie Webber

Consistent Discourse-level Temporal Relation Extraction Using Large Language Models

Yi Fan and Michael Strube

15:30 - 16:00 *Coffee Break*

16:00 - 17:30 *Session - Oral presentations*

Unpacking Ambiguity: The Interaction of Polysemous Discourse Markers and Non-DM Signals

Jingni Wu and Amir Zeldes

Entity Tracking in Small Language Models: An Attention-Based Study of Parameter-Efficient Fine-Tuning

Sungho Jeon and Michael Strube

Corpus-Oriented Stance Target Extraction

Benjamin Steel and Derek Ruths

Bridging Discourse Treebanks with a Unified Rhetorical Structure Parser

Elena Chistova

17:30 - 17:45 *Closing Remarks*