CODI 2024

5th Workshop on Computational Approaches to Discourse

Proceedings of the Workshop

March 21, 2024

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

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Preface

Welcome to the 5th Workshop on Computational Approaches to Discourse, CODI!

CODI provides a venue to bring together researchers working on all aspects of discourse in Computational Linguistics and NLP. Our aim is to provide a venue for the entire discourse processing community where we can present and exchange our theories, algorithms, software, datasets, and tools.

The workshop consists of invited talks, contributed papers, extended abstracts, and EACL Findings presentations. We received paper submissions that span a wide range of topics, addressing issues related to discourse representation and parsing, reference and coreference resolution, summarization, dialogue, pragmatics, 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, including 14 regular long papers, 6 regular short papers and 8 non-archival communications (Findings, extended abstracts and direct submissions). We accepted 16 articles among the 20 regular submissions and 6 are presented orally. We also organize two poster sessions this year, in order to encourage discussions.

We thank our invited speakers, **Hannah Rohde**, Professor in Linguistics & English Language at the University of Edinburgh, who works in experimental pragmatics, focusing on aspects of communication such as ambiguity, redundancy, deception, and the establishment of discourse coherence. Her presentation is entitled: *Inferences of additional coherence-driven meaning within and across clauses*. Our second invited speaker is **Manfred Stede**, Professor of Applied Computational Linguistics at the University of Potsdam and head of the Applied CompLing Discourse Research Lab, who works on text structure and automatic text analysis, currently mainly for social science issues. His presentation is entitled: *Connectives and Arguments*. They helped us to prepare an excellent and well-rounded workshop program. We would also like to thank the EACL 2024 workshop chairs Zeerak Talat and Nafise Moosavi who organized the ACL 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

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Table of Contents

An Algorithmic Approach to Analyzing Rhetorical Structures Andrew Potter
SciPara: A New Dataset for Investigating Paragraph Discourse Structure in Scientific Papers Anna Kiepura, Yingqiang Gao, Jessica Lam, Nianlong Gu and Richard H.r. Hahnloser 12
Using Discourse Connectives to Test Genre Bias in Masked Language Models Heidrun Dorgeloh, Lea Kawaletz, Simon Stein, Regina Stodden and Stefan Conrad
Projecting Annotations for Discourse Relations: Connective Identification for Low-Resource Langua-
ges Peter Bourgonje and Pin-Jie Lin
Experimenting with Discourse Segmentation of Taiwan Southern Min Spontaneous Speech Laurent Prévot and Sheng-Fu Wang
Actor Identification in Discourse: A Challenge for LLMs? Ana Barić, Sebastian Padó and Sean Papay
<i>Quantitative metrics to the CARS model in academic discourse in biology introductions</i> Charles Lam and Nonso Nnamoko
Probing of pretrained multilingual models on the knowledge of discourse Mary Godunova and Ekaterina Voloshina
Feature-augmented model for multilingual discourse relation classification Eleni Metheniti, Chloé Braud and Philippe Muller
Complex question generation using discourse-based data augmentation Khushnur Jahangir, Philippe Muller and Chloé Braud105
Exploring Soft-Label Training for Implicit Discourse Relation Recognition Nelson Filipe Costa and Leila Kosseim 120
<i>The ARRAU 3.0 Corpus</i> Massimo Poesio, Maris Camilleri, Paloma Carretero Garcia, Juntao Yu and Mark-Christoph Müller
Signals as Features: Predicting Error/Success in Rhetorical Structure Parsing Martial Pastor and Nelleke Oostdijk 139
GroundHog: Dialogue Generation using Multi-Grained Linguistic Input Alexander Chernyavskiy, Lidiia Ostyakova and Dmitry Ilvovsky
<i>Discourse Relation Prediction and Discourse Parsing in Dialogues with Minimal Supervision</i> Chuyuan Li, Chloé Braud, Maxime Amblard and Giuseppe Carenini
With a Little Help from my (Linguistic) Friends: Topic segmentation of multi-party casual conversations Amandine Decker and Maxime Amblard 177

Program

Thursday, March 21, 2024

- 09:15 09:30 *Opening Remarks*
- 09:30 10:30 Invited Talk Hannah Rohde: Inferences of additional coherence-driven meaning within and across clauses
- 10:30 11:00 *Coffee Break*
- 11:00 12:00 *Poster Session 1*

Discourse Structure Annotations for the Minecraft Dialogue Corpus Kate Thompson, Julie Hunter and Nicholas Asher

Syntactic Preposing and Discourse Relations Yunfang Dong, Xixian Liao and Bonnie Webber

Learning Label Embeddings for Mapping Discourse Relations of Different Annotation Frameworks (Extended Abstract) Yingxue Fu

Actor Identification in Discourse: A Challenge for LLMs? Ana Barić, Sebastian Padó and Sean Papay

Exploring Soft-Label Training for Implicit Discourse Relation Recognition Nelson Filipe Costa and Leila Kosseim

Projecting Annotations for Discourse Relations: Connective Identification for Low-Resource Languages Peter Bourgonje and Pin-Jie Lin

Probing of pretrained multilingual models on the knowledge of discourse Mary Godunova and Ekaterina Voloshina

Complex question generation using discourse-based data augmentation Khushnur Jahangir, Philippe Muller and Chloé Braud

Thursday, March 21, 2024 (continued)

12:00 - 13:30	Lunch
13:30 - 14:30	Invited Talk - Manfred Stede: Connectives and Arguments
14:30 - 15:30	Poster Session 2

Zero-shot learning for multilingual discourse relation classification Eleni Metheniti, Philippe Muller, Chloé Braud and Margarita Hernández Casas

Exploiting Questions Under Discussion for Discourse Relation Recognition in Dialog Shuhaib Mehri, Chuyuan Li and Giuseppe Carenini

Quantitative metrics to the CARS model in academic discourse in biology introductions Charles Lam and Nonso Nnamoko

On Measuring Context Utilization in Document-Level MT Systems Wafaa Mohammed and Vlad Niculae

An Algorithmic Approach to Analyzing Rhetorical Structures Andrew Potter

SciPara: A New Dataset for Investigating Paragraph Discourse Structure in Scientific Papers

Anna Kiepura, Yingqiang Gao, Jessica Lam, Nianlong Gu and Richard H.r. Hahnloser

The ARRAU 3.0 Corpus

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Discourse Relation Prediction and Discourse Parsing in Dialogues with Minimal Supervision Chuyuan Li, Chloé Braud, Maxime Amblard and Giuseppe Carenini

15:30 - 16:00 *Coffee Break*

Thursday, March 21, 2024 (continued)

16:00 - 17:30 Session - Oral presentations

Using Discourse Connectives to Test Genre Bias in Masked Language Models Heidrun Dorgeloh, Lea Kawaletz, Simon Stein, Regina Stodden and Stefan Conrad

Experimenting with Discourse Segmentation of Taiwan Southern Min Spontaneous Speech Laurent Prévot and Sheng-Fu Wang

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17:30 - 17:45 Closing Remarks