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Preface

Welcome to the 3rd 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 and extended abstracts. We received paper submissions that span a wide range of topics, addressing issues related to discourse representation and parsing, reference and coreference resolution, 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 are happy that CODI 2022 features the CODI-CRAC 2022 shared task on anaphora, bridging, and discourse deixis resolution in dialogue, which is a joint shared task between the CODI and CRAC workshops at COLING. This shared task goes beyond previous ones as its input is transcribed spoken dialogue and it includes anaphoric relations beyond coreference. This effort is spearheaded by Carolyn Rosé. As we hope that the next CODI workshops will also feature shared tasks and other special events, the workshop also includes a discussion on future shared tasks, special sessions on discourse representation and parsing, coreference resolution, and multilingual discourse processing and machine translation.

We thank our invited speakers, **Nate Chambers**, United States Naval Academy, who works on understanding events in text, the semantic relations between them, and how they characterize knowledge they expressed in narratives; and **Bonnie Webber**, University of Edinburgh, known for many decades of seminal research on discourse from early work on "cooperative question-answering" to extended research on discourse anaphora and discourse relations. We would also like to thank our reviewers for their thoughtful and instructive comments. They helped us to prepare an inclusive workshop program. Finally we would like to thank the COLING 2022 workshop chairs Sadao Kurohashi, Patrizia Paggio and Nianwen Xue who organized the COLING workshop program.

The CODI Organizers,

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

Organizers:

Chloé Braud, CNRS - IRIT

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Sharid Loáiciga, University of Gothenburg

Michael Strube, Heidelberg Institute for Theoretical Studies

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Bonnie Webber, University of Edinburgh, UK

Deyi Xiong, Tianjin University, China

Hongfei Xu, Saarland University, Germany

Nianwen Xue, Brandeis University, US

Heike Zinsmeister, University of Hamburg, Germany

Invited Speakers:

Nate Chambers, United States Naval Academy, US Bonnie Webber, University of Edinburgh, UK

¹Christian Hardmeier was supported by the Swedish Research Council under grant 2017-930.

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Conference Program

October 16, 2022

9:15-9:30	Opening Remarks
9:30–10:30	Invited Talk Nate Chambers
10:30-11:00	Coffee Break
11:00–11:10	KOJAK: A New Corpus for Studying German Discourse Particle ja Adil Soubki, Owen Rambow and Chong Kang
11:10–11:20	Discourse Analysis via Questions and Answers: Parsing Dependency Structures of Questions Under Discussion Wei-Jen Ko, Dananjay Srinivas, Cutter Dalton, Greg Durrett and Junyi Jessy Li
11:20–11:30	Towards Domain-Independent Supervised Discourse Parsing Through Gradient Boosting Patrick Huber and Giuseppe Carenini
11:30–11:45	Improving Topic Segmentation by Injecting Discourse Dependencies Linzi Xing, Patrick Huber and Giuseppe Carenini
11:45–11:55	Evaluating How Users Game and Display Conversation with Human-Like Agents Won Ik Cho, Soomin Kim, Eujeong Choi and Younghoon Jeong
11:55–12:05	Evaluating Discourse Cohesion in Pre-trained Language Models Jie He, Wanqiu Long and Deyi Xiong
12:05–12:15	Easy-First Bottom-Up Discourse Parsing via Sequence Labelling Andrew Shen, Fajri Koto, Jey Han Lau and Timothy Baldwin
12:15–12:30	Open discussion on future CODI workshops and shared tasks
12:30-14:00	Lunch

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14:00–14:10	Multi-Party Conversation Generation via Discourse Structure Planning Alexander Chernyavskiy and Dmitry Ilvovsky
14:10–14:20	Explicitation Phenomena and Surprisal Effects in Translation and Interpreting Ekaterina Lapshinova-Koltunski, Christina Pollkläsener and Heike Przybyl
14:20–14:30	Using Translation Process Data to Explore Explicitation and Implicitation through Discourse Connectives Ekaterina Lapshinova-Koltunski and Michael Carl
14:30–14:45	Towards Identifying Alternative-Lexicalization Signals of Discourse Relations René Knaebel and Manfred Stede
14:45–14:55	Towards Semi-Supervised Discourse Graph Parsing in Dialogs with Pre-trained Language Models and Linguistic Features Chuyuan Li, Patrick Huber, Wen Xiao, Maxime Amblard, Chloé Braud and Giuseppe Carenini
14:55–15:05	Label distributions help implicit discourse relation classification Frances Yung, Kaveri Anuranjana, Merel Scholman and Vera Demberg
15:05–15:15	Bullshit and Unanswerable QUDs Oliver Deck
15:15–15:30	The Keystone Role Played by Questions in Debate Zlata Kikteva, Kamila Gorska, Wassiliki Siskou, Annette Hautli-Janisz and Chris Reed
15:30–16:00	Coffee Break
16:00–16:15	Shallow Discourse Parsing for Open Information Extraction and Text Simplification Christina Niklaus, André Freitas and Siegfried Handschuh
16:15–16:25	Predicting Political Orientation in News with Latent Discourse Structure to Improve Bias Understanding Nicolas Devatine, Philippe Muller and Chloé Braud
16:25–16:35	Attention Modulation for Zero-Shot Cross-Domain Dialogue State Tracking Mathilde Veron, Olivier Galibert, Guillaume Bernard and Sophie Rosset
16:35–16:45	An Empirical Study of Topic Transition in Dialogue Mayank Soni, Brendan Spillane, Leo Muckley, Orla Cooney, Emer Gilmartin, Christian Saam, Benjamin Cowan and Vincent Wade

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16:45–17:45 *Invited Talk* Bonnie Webber

17:45-18:00 Open discussion on future CODI workshops and shared tasks

October 17, 2022

CODI-CRAC Shared Task

14:00	Session 1: Shared Task Competition
14:00	Welcome
14:05	The CODI-CRAC 2022 Shared Task on Anaphora, Bridging, and Discourse Deixis in Dialogue Juntao Yu, Sopan Khosla, Ramesh Manuvinakurike, Lori Levin, Vincent Ng, Massimo Poesio, Michael Strube and Carolyn Rosé
14:35	Anaphora Resolution in Dialogue: System Description (CODI-CRAC 2022 Shared Task) Tatiana Anikina, Natalia Skachkova, Joseph Renner and Priyansh Trivedi
14:50	Pipeline Coreference Resolution for Anaphoric Identity in Dialogues Damrin Kim, Seongsik Park, Mirae Han and Harksoo Kim
15:05	Neural Anaphora Resolution in Dialogue Revisited Shengjie Li, Hideo Kobayashi and Vincent Ng
15:30	Coffee Break

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16:00 Session 2: Keynote Session
 16:00 Invited Talk: Massimo Poesio and Lori Levin

16:45 Open Discussion

17:45 Closing Remarks