CODI-CRAC 2021

The CODI-CRAC 2021 Shared Task on Anaphora, Bridging, and Discourse Deixis in Dialogue

Proceedings of the Workshop

November 10, 2021 Punta Cana, Dominican Republic

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Message from the Program Chairs

This shared task represents the collaborative efforts of a diverse team of researchers, across countries, institutional types, research areas, and career stages. The idea emerged through a Discourse Analysis breakout session at SIGDIAL 2020. The goal was to foster a more active partnership between the discourse and dialogue communities and to offer, not just a competition, but an opportunity to identify the next great challenges for the area of coreference.

Since that initial discussion at the Spring 2020 conference, the core organizing team has met almost weekly to build a vision for this shared task as the initial event out of what is hoped to become a series of such events, and situated in partnership with other related efforts, such as the Universal Anaphora effort. The team is excited to host this shared task, jointly with the CODI and CRAC workshops, co-located with EMNLP 2021. Each of the organizing team's members are also grateful to their respective institutions for providing the kind of environment that facilitates such international collaborations.

The team is grateful for funding committed by the Heidelberg Institute for Theoretical Studies and the Dali Project at Queen Mary University (both of which supported annotation for this shared task event) and Carnegie Mellon University (slated to support annotation for next year's event), as well as resources provided by Intel (especially in connection with the CODALAB infrastructure). The annotation team managed by Queen Mary University worked tirelessly to produce the annotated data, without which this shared task would not be a shared task at all! The team is also grateful for the synergistic efforts of the broader ACL community, for providing an environment in which the vision for this shared task could be realized and situated within this vibrant EMNLP milieu.

Organizing Committee

- Sopan Khosla, Amazon, USA
- Ramesh Manuvinakurike, Intel, USA
- Vincent Ng, University of Texas at Dallas, USA
- Massimo Poesio, Queen Mary University, UK
- Michael Strube, Heidelberg Institute for Theoretical Studies, Germany
- Carolyn Rosé, Carnegie Mellon University, USA

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Workshop Program

Wednedsday, November 10, 2021

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09:30-10:30	Session 2: System Talks (part 1)
09:30–09:45	Neural Anaphora Resolution in Dialogue Hideo Kobayashi, Shengjie Li and Vincent Ng
09:45–10:00	Anaphora Resolution in Dialogue: Description of the DFKI-TalkingRobots System for the CODI-CRAC 2021 Shared-Task Tatiana Anikina, Cennet Oguz, Natalia Skachkova, Siyu Tao, Sharmila Upadhyaya and Ivana Kruijff-Korbayova
10:00–10:15	The Pipeline Model for Resolution of Anaphoric Reference and Resolution of Entity Reference Hongjin Kim, Damrin Kim and Harksoo Kim
10:15–10:30	An End-to-End Approach for Full Bridging Resolution Joseph Renner, Priyansh Trivedi, Gaurav Maheshwari, Rémi Gilleron and Pascal Denis
10:30–11:00	Coffee Break
11:00-11:15	Session 3: System Talks (part 2)
11:00–11:15	Adapted End-to-End Coreference Resolution System for Anaphoric Identities in Dialogues Liyan Xu and Jinho D. Choi

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11:15–11:45 Session 4: Analysis Papers

11:15–11:30 Anaphora Resolution in Dialogue: Cross-Team Analysis of the DFKI-TalkingRobots Team Submissions for the CODI-CRAC 2021 Shared-Task

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11:30–11:45 The CODI-CRAC 2021 Shared Task on Anaphora, Bridging, and Discourse Deixis

Resolution in Dialogue: A Cross-Team Analysis

Shengjie Li, Hideo Kobayashi and Vincent Ng

11:45–12:00 Session 5: Visioning and Discussion