

AIWolfDial 2024

The 2nd International AIWolfDial Workshop
held in conjunction with
The 17th International
Natural Language Generation Conference

Proceedings of the Workshop

September 24, 2024

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ISBN 979-8-89176-125-4

Preface

We are excited to present the Proceedings of the 2nd International AI Werewolf and Dialog System Workshop (AIWolfDial 2024) held in conjunction with the International 17th International Natural Language Generation Conference (INLG 2024). Our workshop takes place in September 24 in Tokyo Waterfront, Japan at the National Institute of Advanced Industrial Science and Technology.

Recent achievements of generation models, e.g. ChatGPT, are gathering greater attentions. However, such a huge language model would not be sufficiently able to handle coherent responses, longer contexts, common grounds, and logics.

The AIWolfDial 2024 contest is held as a part of this AIWolfDial 2024 workshop. This is an international open contest for automatic players of the conversation game "Mafia", requires players not just to communicate but to infer, persuade, deceive other players via coherent logical conversations, while having the role-playing non-task-oriented chats as well. We believe that this contest reveals current issues in the recent huge language models, showing directions of next breakthrough in the NLP area.

From the viewpoint of Game AI area, players must hide information, in contrast to perfect information games such as chess or Reversi. Each player acquires secret information from other players' conversations and behavior and acts by hiding information to accomplish their objectives. Players are required persuasion for earning confidence, and speculation for detecting fabrications.

We called for papers which include the above related topics but not limited to them. After a peer review process, 6 long papers were accepted to the workshop and are included in these proceedings, with our overview paper. The accepted papers not just describe the ways they create the AIWolf player agent, but also show general ideas how to develop a LLM- and generative AI-based systems to make coherent, semantic, and characterised dialogues.

Based on the subjective and win-rate evaluations, we describe overall evaluations in our overview paper and present them in the workshop. Our contest was sponsored by Spiral.AI co., which gives a talk and awards for selected participant teams.

We would like to thank the INLG conference organizing team led by Tatsuya Ishigaki; the workshop would not be possible without their dedication and hard work. We also thank Jing Li for serving as Workshop Chair for the conference.

We would also like to express our gratitude to our organizers and the program committee members for their reviewing contributions and subjective evaluations, and the local organizing team for operating the contest.

Your AIWolfDial 2024 program chair,
Yoshinobu Kano

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