SCI-CHAT 2024

SCI-CHAT - Workshop on Simulating Conversational Intelligence in Chat

Proceedings of the Workshop

March 21, 2024

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Introduction

Welcome to the Workshop on Simulating Conversational Intelligence in Chat (SCI-CHAT 2024)!

Enabling easy communication with machines via natural language is a main focus of dialogue research, including open-domain, task-oriented, knowledge-grounded and instruction-tuned models. The aim of this workshop is to bring together experts working in these speedily advancing research areas where many challenges still exist, such as learning information from conversations, applying such as a realistic and convincing simulation of human intelligence, reasoning, etc.

SCI-CHAT follows previous workshops on open domain dialogue but with a focus towards the simulation of intelligent conversation, including the ability to follow a challenging topic over a long (multi-turn) conversation, while positing, refuting and reasoning over arguments.

Our research track aims to provide a venue for reporting and discussing the latest developments in simulation of intelligent conversation, chit-chat, open-domain dialogue AI. The shared task focuses on simulating intelligent conversations; participants were asked to submit automated dialogue agents with the ability to follow a nuanced conversation topic over multiple dialogue turns, and the ability to posit, refute and reason over arguments. The participating systems were interactively evaluated with real users. All data acquired within the context of the shared task are made public, providing an important resource for improving metrics and systems in this research area.

SCI-CHAT's program consists of four accepted research track papers and two shared task system description papers. The program includes work on intelligent conversation, chit-chat, open-domain dialogue, automatic and human evaluation of open-domain dialogue, and limitations, risks and safety in open-domain dialogue. Our program also includes two invited presentations from influential researchers.

Our warmest thanks go to the program committee – for their time and effort providing valuable feedback, to all submitting authors – for their thought-provoking work, and to the invited speakers – for doing us the honor of joining our program.

Yvette Graham Qun Liu Gerasimos Lampouras Ignacio Iacobacci Sinead Madden Haider Khalid Rameez Qureshi

Organizing Committee

Organizers

Yvette Graham, ADAPT Centre, Trinity College Dublin Qun Liu, Huawei Noah's Ark Lab, China Gerasimos Lampouras, Huawei Noah's Ark Lab, UK Ignacio Iacobacci, Huawei Noah's Ark Lab, UK Sinead Madden, ADAPT Centre, Dublin City University Haider Khalid, ADAPT Centre, Trinity College Dublin Rameez Qureshi, ADAPT Centre, Trinity College Dublin

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Program

Thursday, March 21, 2024

- 09:15 09:30 Opening Remarks
- 09:30 10:30 Invited Talk Ondřej Dušek
- 10:30 11:00 *Coffee break*
- 11:00 12:00 Invited Talk Dimitra Gkatzia
- 12:00 13:30 Lunch break
- 13:30 14:00 Shared Task Discussion and Findings
- 14:00 15:15 Contributed talks

Improving Dialog Safety using Socially Aware Contrastive Learning Souvik Das and Rohini K. Srihari

Reliable LLM-based User Simulator for Task-Oriented Dialogue Systems Ivan Sekulic, Silvia Terragni, Victor Guimarães, Nghia Khau, Bruna Guedes, Modestas Filipavicius, Andre Ferreira Manso and Roland Mathis

Evaluating Modular Dialogue System for Form Filling Using Large Language Models

Sherzod Hakimov, Yan Weiser and David Schlangen

KAUCUS - Knowledgeable User Simulators for Training Large Language Models Kaustubh Dhole

Advancing Open-Domain Conversational Agents - Designing an Engaging System for Natural Multi-Turn Dialogue Islam A. Hassan and Yvette Graham

15:15 - 15:30 Closing remarks