SpLU-RoboNLP 2023 Call for Papers

This is the first call for papers for the SpLU-RoboNLP workshop at EMNLP 2023.

(https://splu-robonlp-2023.github.io/)

Important dates

Workshop paper submission deadline: 1 September 2023, AoE

Notification of acceptance: 6 October 2023

Camera-ready deadline: 18 October 2023, AoE

Workshop Dates: 6-7 December 2023 (co-located with EMNLP 2023)

Workshop Description

Leveraging the foundation built in the prior workshops SpLU-RoboNLP 2021, SpLU 2020, SpLU-RoboNLP 2019, SpLU 2018, and RoboNLP 2017, we propose the third combined workshop on Spatial Language Understanding and Grounded Communication for Robotics. Natural language communication with general-purpose embodied robots has long been a dream inspired by science fiction, and natural language interfaces have the potential to make robots more accessible to a wider range of users. Achieving this goal requires continuously improving and developing new technologies for linking language to perception and action in the physical world. This joint workshop aims to bring together the perspectives of researchers working on physical robot systems and with human users, simulated embodied environments, and multimodal natural language and spatial language understanding to forge collaborations.

Topics of Interest include, but are not limited to:

- Aligning and Translating Language to Situated Actions
- Evaluation Metrics for Language Grounding and Human-Robot Communication
- Human-Computer Interactions Through Natural or Structural Language
- Instruction Understanding and Spatial Reasoning Based on Multimodal Information for Navigation, Articulation, and Manipulation
- Interactive Situated Dialogue for Physical Tasks
- Language-based Game Playing for Grounding
- Spatial Language and Skill Learning via Grounded Dialogue
- Spatial information extraction in robotics, multimodal environments, navigational instructions
- (Spatial) Language Generation for Embodied Tasks
- (Spatially-) Grounded Knowledge Representations
- Utilization and Limits of Large Language Models for Human-Robot Interaction
- Inclusive, equitable, and culturally-aware multimodal interactive technologies

Submission instructions

Long papers may consist of up to 8 pages of content, plus unlimited pages for references and an appendix; final versions of long papers will be given one additional page of content (up to 9 pages) so that reviewers' comments can be considered.

Short papers may consist of up to 4 pages of content, plus unlimited references and an appendix. Short papers will be given 5 content pages in the proceedings upon acceptance. Authors are encouraged to use this additional page to address reviewers' comments in their final versions.

EMNLP workshops are traditionally archival. We are also including a non-archival track to allow dual submission of work to SpLU-RoboNLP 2023 and other conferences/journals. Space permitting, these submissions will still participate and present their work in the workshop and will be hosted on the workshop website but will not be included in the official proceedings. Please apply the EMNLP format and submit through softconf but indicate that this is a cross-submission (non-archival) at the bottom of the submission form.

Submissions should follow the EMNLP 2023 formatting requirements.

Submission link: https://softconf.com/emnlp2023/SpLU-RoboNLP2023/

Organizing Committee

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Website

Further information can be found online at: https://splu-robonlp-2023.github.io/#organizers