

VAM-HRI 2021

4th International Workshop on Virtual, Augmented, and Mixed Reality for Human-Robot Interactions

Virtually Collocated with HRI · March, 2021



This year's VAM-HRI workshop will present an opportunity to build community within the virtual, augmented, and mixed reality research space as it relates to human-robot interaction. The goals of the workshop include networking, professional development, ideation, and envisioning the future of VAM-HRI as a field. Special topics of interest include ethical implications and the COVID-19 pandemic. In line with this, we encourage submissions to include a Broader Impact section, which will not be used to judge the quality of the submission. These sections will help to inform discussions during the workshop. Papers will be reviewed based on their relevance to the workshop's topics of interests, potential impact on the field, novelty of the contributing ideas, and overall presentation and quality of the submitted article. Topics include, but are not limited to:

- Novel HRI problems that can benefit from AR/VR/MR
- Intention communication, explanation of behaviors
- Robot testing and diagnostics
- Human-subject experimentation
- Efficient representations for AR/VR/MR interaction patterns
- AR/VR/MR language grounding
- AR/VR/MR-augmented natural language generation
- AR/VR/MR-enabled robot control
- Architectures for AR/VR/MR-based HRI
- AR/VR/MR for expanding social interactions
- AR/VR/MR for robot learning
- Ethical issues regarding AR/VR/MR and robotics
- VAM-HRI research during the COVID-19 pandemic
- Accessibility in VAM-HRI

ROLLING SUBMISSIONS: Submission are open and will typically take a week for review. Submit by Jan 20 if you want to be notified by the HRI 2021 early registration deadline. Submissions will close February 15 UTC-12.

FULL PAPERS: 5-8 page papers presenting novel work.

ABSTRACTS: 2-4 page papers presenting previous, current, or proposed work.

WEB: vam-hri.github.io