

CHI 2021: Adaptive Accessible AR/VR Systems



In recent time, both artificial intelligent and interactive systems made tremendous progress. We can use AR and VR technologies in smartphones and can download software code to train complicated convolutional neural networks for face or any specific object detection. The workshop on Adaptive Accessible AR/VR Systems is planning to take a novel approach to bring these latest developments in computing technologies for users, who often miss out advantages in information technology due to their limited range of abilities. Keynote speeches and demonstrations will cover latest accessibility research at **Microsoft, Google, Verizon, BT and leading universities**.

Format and goals of the workshop: The workshop will have Keynote speeches from senior researchers at Google, Verizon and RNIB, UK, oral paper presentations and hands on demonstration session. The goals of the workshop are

1. Investigating accessibility issues with AR/VR systems
2. Discussing state-of-the-art in inclusive AR/VR systems
3. Exploring future prospect of mass deployment of AR/VR systems for people with disabilities

Selection criteria: Papers will be selected through double-blind peer review process with each paper being reviewed by at least two reviewers and one member of the organizing committee

Call for position papers: This workshop is seeking contributions in the form of regular research papers, case study reports, description of use cases for following topics

- Interactive AR/VR applications for users with different range of abilities
- AR/VR games for education and rehabilitation
- E-Learning or other ICT systems with AR/VR component

Papers should be between 5000 and 8000 words in length in ACM format

At least one author of each accepted position paper must attend the workshop and all participants must register for both the workshop and for at least one day of the conference.

DEADLINES

- Paper Submission: **28th February 2021 (Extended)**
- Notification: 30th March 2021
- Final Camera-Ready Copy: 15th April 2021

Authors of selected papers will be invited to submit extended versions of their papers to a special issue of the ACM Transactions on Accessible Computing (TACCESS), <https://dl.acm.org/journal/taccess/call-for-papers-2021>.

Where these papers should be submitted: <https://easychair.org/conferences/?conf=xr4all>

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