4th Annual Workshop on 3D Content Creation for Simulated Training in eXtended Reality (TrainingXR)

Date and Location: March 25 or 26, 2023 (Online Workshop)

Website: https://sites.google.com/view/trainingxrieeevr2022
(will be updated to 2023 upon acceptance)

Overview:

This workshop discusses and articulates research visions on using the latest extended reality (VR/AR/MR) technologies for education and training purposes, and on creating immersive 3D virtual content for delivering effective and personalized training experiences. This workshop will gather researchers and practitioners in a variety of computer disciplines related to XR training and content creation. This workshop will accept research papers on these topics. We will also invite renowned speakers from the research community and the industry to give talks related to XR-based training to inspire the field to further explore this promising direction.

Call for Papers:

This workshop aims to bring together researchers and experts in AR/VR, computer graphics, computer vision, robotics, and artificial intelligence, to discuss the research challenges in creating virtual training experiences to be delivered through state-of-the-art VR/AR/MR technologies. Specific topics of interest include, but are not limited to:

- 3D content authoring for XR training
- procedural modeling of virtual environments
- affordance analysis and physics-based reasoning of 3D scenes and objects
- cognitive, perceptual and behavioral modeling of virtual humans
- virtual human interaction and human perception
- collaborative and networked virtual training environments
- crowd simulation for VR training
- sound simulation for VR training
- physics simulation for VR training
- serious games in XR
- instructional design and personalization for XR training
- case studies of applying VR/AR to training and education
- haptics for XR training

Submissions: Project and Research papers (4-8 pages, VGTC format) submitted via the PCS.

Important dates:
Submission deadline: January 12, 2023
Notification: January 20, 2023
Camera-ready submission: January 27, 2023

Organizers:
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