



Workshop 6: The importance of Haptics in Telepresence

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Telepresence refers to the feeling of truly being at a remote location. Telepresence systems can create that feeling through advanced, multisensory, bidirectional interfaces that allow you to sense, communicate, and act in a remote environment. As concluded after a recently completed XPRIZE competition on Avatar Robotics ([Avatar XPRIZE](#)), more complex tasks will demand high-fidelity haptics for fine manipulation and full body haptics ([Analysis Avatar XPRIZE](#)). This underlines that telepresence systems cannot rely on vision and audition only: haptics is of crucial importance for successful telepresence systems. This panel workshop has invited talks and a round table discussion and attendees will learn about the state-of-the-art in telepresence haptics from XPRIZE finalists and about the big challenges as described in the IEEE Telepresence Roadmap. Attendees can actively contribute to the roadmap and learn more about activities of the IEEE Telepresence initiative – sponsor of this workshop ([IEEE Telepresence](#)). More info: Events.

Workshop Website: <https://telepresence.ieee.org/events>