
MMSpace: Multimodal Meeting Space Embodied by Kinetic Telepresence

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Abstract

This video illustrates *MMSpace* [2], a social telepresence system using *kinetic avatars*, that can mirror the head movements of remote users. It aims to enhance remote nonverbal exchanges including gazes and head gestures. Its main features are i) realistic mechanical reproduction of head motions and ii) support of remote eye contact. The production, direction, screenplay, and video editing/color-grading were done by the author, with help from professional actors/actresses, camera operators, and engineers. A rush version first appeared in an oral presentation at *IEEE VR'16* [2]; this was followed by the full version presented at *NTT-CSL's Open House 2016* and on the author's web page [1].

Author Keywords

Telepresence; video conferencing; kinetic avatar.

ACM Classification Keywords

H.4.3 [Information System Applications]: Communications Applications

References

- [1] Kazuhiro Otsuka. 2016a. About MMSpace. (2016). <http://www.kecl.ntt.co.jp/people/otsuka.kazuhiro/MMSpace.html>
- [2] Kazuhiro Otsuka. 2016b. MMSpace: Kinetically-augmented telepresence for small group-to-group conversations. In *Proc. IEEE Virtual Reality (VR 2016)*.

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