

Telepresence and Telepathy in Immersive Virtual Reality

Results:

We developed an immersive virtual reality (IVR) application as an experimental environment and medium for the study of telepathy. Our own Telepathy Immersive Virtual Environment (TIVE) uses three-dimensional computer graphics technology to generate artificial environments that afford real-time interaction and exploration in conjunction with head mounted displays (HMDs), sound, instrumented data gloves which allow participants to interact with virtual objects. We conducted two telepathy studies using TIVE.

In Study 1 100 pairs who each completed a trial as a sender and receiver, 200 trials in total. In Study 2 30 pairs which took part in four further trials without changing roles, a total of 120 trials.

Neither of the above studies showed evidence in support for the psi hypothesis, either in terms of directional hitting or in a post hoc magnitude analysis, where the outcomes were no different from what would be expected by chance.

Future analyses will explore correlates of psi performance within the same studies. This approach takes the view that the psi process may function differentially according to state of consciousness and personality factors. The null effect overall reported here may therefore reflect a systematic balance of psi hitting and psi missing

Published work:

Murray, C.D., Simmonds, C. and Fox, J. (2005) Telepathy and telepresence in immersive virtual reality. *Proceedings of the Parapsychological Association, 48th Annual Convention*. Pp.236-241.

Murray, C.D., Howard, T., Fox, J., Caillette, F., Simmonds-Moore, C. and Wilde, D. (2006) The design and implementation of the telepathic immersive virtual reality system. In C. Simmonds-Moore, editor, *Proceedings of The Parapsychological Association 49th Annual Convention*, pages 100-114, Stockholm, August 2006.

Murray, C.D., Wilde, D., Simmonds-Moore, C., Fox, J. and Howard, T. (2006) Observations of the embodied use of target objects in the telepathy virtual environment. Paper presented at the *30th International Conference of the Society for Psychical Research*, Liverpool.

Murray, C.D., Howard, T., Fox, J. Caillette, F., Simmonds-Moore, C. and Wilde, D. (2006) The design and implementation of the telepathic immersive reality system. *The International Journal of Parapsychology*, 13, 1-25.

Murray, C.D., Fox, J., Wilde, D., Simmonds-Moore, C., and Howard, T. (2007) Testing for telepathy using an immersive virtual environment. Paper presented at the *31st International Conference of the Society for Psychical Research*, Cardiff.

Os textos são da exclusiva responsabilidade dos autores
All texts are of the exclusive responsibility of the authors

Murray, C.D., Howard, T., Wilde, D.J., Fox, J. and Simmonds-Moore, C. (2007) Testing for telepathy using an immersive virtual environment. *Journal of Parapsychology*, 71, 105-124.

Researchers' Contacts:

Dr Craig D. Murray, Lecturer in Psychology,
Clinical Psychology
Division of Health Research
School of Health and Medicine
The University of Lancaster
Lancaster, LA1 4YF
United Kingdom
Telephone: +44 (0) 1524 593576
Fax: +44 (0) 1524 592401
Email: c.murray@lancaster.ac.uk
Web address: <http://www.lancs.ac.uk/fass/ihr/profiles/Craig-Murray/>

Mr Jezz Fox
unaffiliated
Email: jezzfox@mac.com