

Man and robot linked by brain scanner

1. Noun - Plural
2. Noun
3. Noun
4. Location
5. Type Of Building
6. Location
7. Adjective
8. Noun - Plural
9. Verb - Base Form
10. Noun Starting With The Letter R
11. Noun
12. Verb - Base Form
13. Noun - Plural
14. Verb - Present Ends In Ing
15. Verb - Past Tense
16. Noun
17. Full Name Of A Person
18. Unit Of Distance - Plural
19. Proper Noun
20. Location
21. Last Name Of A Person
22. Noun - Plural
23. Noun

24. Noun
25. Adjective
26. Noun
27. Noun
28. Verb - Past Tense
29. Part Of Body
30. Noun
31. Noun
32. Noun - Plural
33. Adjective
34. Adjective
35. Verb - Base Form

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_____ Noun - Plural have made a robot move on a human's behalf by monitoring thoughts about _____ Noun, reports New Scientist.

The man-machine link joined a man in a _____ Noun scanner in _____ Location and a robot wandering a _____ type of building in _____ Location.

The person controlling the robot could also see through the eyes of his _____ Adjective surrogate.

The _____ Noun - Plural are now working on ways to make the man-machine link more sensitive and to let people _____ Verb - Base Form via the robot.

The research project connected a robot to a man having his brain scanned using fMRI (Functional Magnetic _____ noun starting with the letter R Imaging). This monitors blood flowing through the _____ Noun and can spot when areas associated with certain actions, such as movement, are in use.

Using brain scanners is a step beyond current efforts to link up men and machines. Much recent work involved teleoperated robots in which humans _____ Verb - Base Form controls, such as _____ Noun - Plural, to make a robot move.

By contrast, the _____ Verb - Present ends in ING approach is more subtle and attempts to fool the human subject into thinking that they are _____ Verb - Past Tense in the robot.

The _____ Noun helping to prove the technology works linked up student _____ Full Name of a Person who was in a lab at Bar-Ilan University, Israel, with a small two-legged robot thousands of _____ unit of distance - plural away at _____ Proper Noun Technology Institute in _____ Location.

Prior to connecting the two, researchers made Mr _____ Last Name of a Person think about different sorts of _____ Noun - Plural and developed software that could quickly spot his _____ Noun.

The result, reported the _____ Noun _____, was that he could control the robot in almost _____ Adjective _____ time.

The illusion of embodiment was tested by surprising Mr Shapira with a _____ Noun _____ so he could see his _____ Noun _____ self - a test that _____ Verb - Past Tense _____ him he was present in the French lab.

The next step for the research is to refine it to use a different type of scanning that can work using a _____ Part of Body _____ cap rather than an fMRI machine that a person has to lie in. The robot used to represent a human is to be upgraded to a version that has a similar _____ Noun _____ and _____ Noun _____ to a real person.

The research is part of an international project called Virtual Embodiment and Robotic Re-Embodiment that aims to refine ways to link people and _____ Noun - Plural _____ in both _____ Adjective _____ environments and the real world.

Work is being done on _____ Adjective _____ applications of the technology but the researchers warned that it was a long way from being able to _____ Verb - Base Form _____ anyone yet.