Proposing MRSCC (Mind Reading Silicon Clock Chip) – A Skill Transformation Method between Human and Robot

Authors: Rimmy Chuchra, Prabhdeep Kaur

Abstract

Skill transformation from the human to the robot is really difficult task because of both are dissimilar bodies. This idea of skill transformation can be inspired by authors by proposing MRSCC (Mind Reading Silicon Clock Chip). The goal of this paper is to copy the contents of human brain into robot memory by simply inserting a silicon memory clock chip into robot machine correspondingly this designed methodology also create a permanent human memory back-up of human brain. Such type of mind file is called Brain Back-Up. By utilizing this Digital Immorality concept robot will directly learns from a human without training and teaching that ultimately reduces human burden. This silicon memory clock chip act as an interface or bridge between the human and robot. In the absence of interface the transformation of skills from human to robots is impossible. On the time of skill transformation everything is stored in silicon memory chip that is inserted in human brain. By utilizing this designed methodology human brain downloading will be possible in robot machine. This designed methodology uses “store-and-forward technique”. The benefit to use store and forward technique is: provide collaborative learning, time saving during skill transformation that leads to the reduction of effort
applied by the human on the time of training. In addition, it also provides a closer view of human-robot interaction that sometimes also called “Robot Fostering”. Limited literature is available in mind uploading [44].

References

5. Alberto Montebelli & Ville Kyrki, Transferring Physical skills from humans to robots: Multi-Modal Programming by Demonstration for In-Contact Tasks, Aalto University, Finland.
7. Jorge Solis, Simone Marches-CHI, Antonio Frisoli Charlo Alberto Avizzano, Reactive Robot System Using a haptic Interface : An Active Interaction to Transfer Skills from the robots to Unskilled Persons, Italy.
9. Monica N.Nicolescu, Maja Mataric, Task Learning through Imitation & HRI Models & mechanisms of imitation and social learning in robots, humans and animals.
10. Fei Chao, Zhengshuai Wang, Changing Shang, Quinggang Meng, Min Jiang, November 2014.A developmental approach to robotic pointing via human-robot interaction, ELSEVIER, Information Sciences ,New trend of Computational Intelligence in HRI.
12. A.Ajoudani, N.G.Tsagarakuis and A.Bicchi, Tele-Impedence: Towards Transferring Human Impedance Regulation Skills to Robots.
18. Mulligan, I.Jane, Grudic: Gregory Mulligan, I. Jane, University of Colorado at Boulder, Human to robot skill transfer, US.
Proposing MRSCC (Mind Reading Silicon Clock Chip) – A Skill Transformation Method between Human and Robot


21. Yiannis Demiris, Andrew Melt off, 2008. The robot in the Crib: A Developmental Analysis of Imitation Skills in Infants and Robots Published Carline I Wiley Interscience, USA.

22. neuralrehabilitation.org/Projects/Biomet/research.html


25. www-master-ris-unina.it/Index.php?option=Com-Content and View=article &id=72 & Itemed=77 & Langen.

26. Hao Ding, Control of robotic system for safe interaction with human operators, Proceeding of the twenty second International Joint Conference on A.I, Institute of Control system theory, Germany.


31. https://www.google.co.in/search?hl=en&tbm=isch&q=human+brain+left+portion+and+right+portion+&ei=5m9QVYJVHfxSvJ6BqA8#adgrc=3KA6PujwT11AMM%3B39tFRLQ73aEz ARM%3Bhttp%3A%2F%2F2Ffqqph.is.quoracdn.net%252Fmain-qimg f6e9005a094b672361d628a23ca8e22%253Ffconv+to_webp%253Dtrue%3Bhttp%253A%25 2F%2Fwww.quora.com%252FHow-can-you-stop-being-controlled-by-your-emotions%3B354 %3B199.


34. www.minduploading.org.


36. philosophicaldisquisitions.blogspot.in/2014/09/chalmors-vs-pigliucci-on-philosophy-of.html.


43. Kaj Sotala, Advantages of Artificial Intelligence-Upload Digital Minds, University of Helsinki, MIRI (Machine Intelligence Research Institute).


45. V. Astakhov, Continuation of Consciousness: Mind Uploading and Resurrection of Human Consciousness, Is there a place for Physics, Neuroscience and Computers?


47. Alexander Borzenko, Indirect Mind Upload, Proto-Mind Machines Inc.


49. Netabrary.net/articles/mind-uploading.


54. help.sap.com/saphelp-er60sp/helpdata/en/5c/2a2d585658a45bb7ebcaef49589e4/content.htm.


57. beforeitsnews.com/conspiracytheories/2012/01/mind.control-methods-of-illuminati-1676330.html.

58. Ben goertzel, 2012. When two minds should be considered versions of one another, 1405 Bernard Place, Rockville MD 20851.

59. Sim Bamford, A Framework for approaches to transfer of a mind substrate.


63. www.technologyillustratedmagazine.com/q/mind-transfer.


68. https://www.youtube.com/watch?v=vgpXERYypqE.

69. https://www.google.co.in/search?hl=en&site=imghp&tbm=isch&source=hp&biw=1366&bih=623&q=image+for+foot+print&oq=image+for+foot+print&gs_l=img.3...8224.13558.0.13873.20 .18.0.0.0.466.2531.3-6j1.7.0.ekpsrh...0...1.164.img..15.5.1854.t1AKoHFaFcl/#hl=en&tbm=isch &q=brain+implant+chip+images&imgc=2cf75eStnTpatM%253A%3B0AfEsJldHRTbM%3Bhttp %253A%252F%252Fdclothesline.com%252Fwpcontent%252Fuploads%252F2013%252F07%252Fad chip-in-your-brain.jpg%3Bhttp%253A%252F%252Fwww.dcclothesline.com%252F2013
Proposing MRSCC (Mind Reading Silicon Clock Chip) – A Skill Transformation Method between Human and Robot

Index Terms


Keywords

Mind Reading silicon memory clock chip, Robot Fostering, Human-Robot Interaction, Mind Uploading, mind downloading, wireless camera, wireless antenna.