Reviewer’s report

Title: Ethical aspects of brain computer interfaces: A scoping review

Version: 0 Date: 05 Aug 2017

Reviewer: Jonathan D Moreno

Reviewer’s report:

Although I didn't find the list of topics gleaned from the literature review surprising, I did find it useful to see these topics articulated and to have them mapped onto the dozens of papers in the database. The analysis was fair, informative and cogent.

As the authors note, the lack of recommendations in the literature is notable though I might have liked to see some possible explanations. For example, few writers in bioethics have a technical background in neuroscience or neurotechnology, therefore they might be hesitant to offer specific recommendations that could be turned into restrictive regulation. Perhaps, too, the technologies just aren't "ripe" enough. And there's also the Collingridge Dilemma for any emerging technology. I wonder, though, if people writing in this field are on the whole any more tentative in their normative judgment than bioethicists in other areas. I'm not sure how one could measure that.

Are the methods appropriate and well described?
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Yes

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