

Ethical Aspects of Brain-Computer Interfaces

Individual argument Tim:

"BCI will induce widespread plastic changes in the brain, which should be monitored."

Normative premise: the effects on BCI should be understood and disclosed to the person that will be part of the BCI

1. We already are using technology that is altering our brain. This is unavoidable.
2. Without an effect on the brain, it cannot be useful. Brain and computer need to be integrated for them to be able to work together.
3. Patients that undergo BCI or medical treatment have the moral right to disclosure of the (side-) effects of an intervention. [Source]

Counterargument: it is impossible to predict how an BCI intervention will influence the behaviour and character of the person undergoing the BCI.

This is refuted by citing some sources on the advancement in the field of neuroscience and artificial intelligence which would show that it is only a matter of time until we will fully understand the dynamical behavior of neuronal networks.