

Brain Computer Interface (see reference list)



Brain controlled wheelchair

Chosen approach:

Spontaneous BCI

=> based on the analysis of EEG phenomena associated with various aspects of brain function related to mental tasks that the subject carries out at will (imagine limb movements, performing cognitive activities).

Plus

The subject has to also make self-paced decisions. In this asynchronous protocol, the subject can send the appropriate mental command at the right time to make the wheelchair turn and cross the desired doorway while it's moving continuously.