Reference

[1] Brent J. Lance, Member IEEE, Scott E. Kerick, Anthony J. Ries, Kelvin S. Oie, and Kaleb McDowell, Senior Member IEEE "Brain–Computer Interface Technologies in the Coming Decades" 2012

[2] F. Quandt and F. C. Hummel, "The influence of functional electrical stimulation on hand motor recovery in stroke patients," 2014.

[3] C. Postelnicu, D. Talaba, and M. Toma, "Brain computer interfaces for medical applications," *Bull. Transilv. Univ. Brasov*, vol. 3, p. 52, 2010.

[4] G. E. Loeb, "NEUROPROSTHETIC INTERFACES–THE REALITY BEHIND BIONICS AND CYBORGS."

[5] G. E. Loeb, F. J. Richmond, and L. L. Baker, "The BION devices: injectable interfaces with peripheral nerves and muscles," *Neurosurg. Focus*, vol. 20, no. 5, pp. 1–9, 2006.

[6] D. J. Weber, R. B. Stein, K. M. Chan, G. E. Loeb, F. J. . Richmond, R. Rolf, K. James, S. L. Chong, A. K. Thompson, and J. Misiaszek, "Functional electrical stimulation using microstimulators to correct foot drop: a case study," *Can. J. Physiol. Pharmacol.*, vol. 82, no. 8–9, pp. 784–792, Jul. 2004.

[7] K. Warwick, M. Gasson, B. Hutt, I. Goodhew, P. Kyberd, H. Schulzrinne, and X. Wu, "Thought communication and control: a first step using radiotelegraphy," *IEE Proc. - Commun.*, vol. 151, no. 3, p. 185, 2004.

[8] "Transcutaneous Electrical Nerve Stimulation (TENS) - Physiopedia, universal access to physiotherapy knowledge." [Online]. Available: http://www.physio-pedia.com/Transcutaneous_Electrical_Nerve_Stimulation_(TENS). [Accessed: 18-Aug-2015].

[9] Virgílio Bento, Luís Paula, António Ferreira, Nuno Figueiredo, Ana Tomé, Filipe Silva, João Paulo Cunha and Pétia Georgieva "Advances in EEG-based Brain-Computer Interfaces for Control and Biometry", 2006.

[10] L. Brosseau, K. Yonge, V. Welch, S. Marchand, M. Judd, G. A. Wells, and P. Tugwell, "Transcutaneous electrical nerve stimulation (TENS) for the treatment of rheumatoid arthritis in the hand," in *Cochrane Database of Systematic Reviews*, The Cochrane Collaboration, Ed. Chichester, UK: John Wiley & Sons, Ltd, 2003.

[11] J.R. Wolpaw, G.E. Loeb, B.Z. Allison, E. Donchin, O.F. do Nascimento, W.J. Heetderks, F.Nijboer, W.G. Shain, and J.N. Turner, BCI Meeting 2005 – workshop on signals and recording methods, IEEE Trans Neural Syst Rehabil Eng: A Pub IEEE Eng Med Biol Soc. 14, Jun.,138–141, (2006).

[12] X. Gao, D. Xu, M. Cheng, and S. Gao, A BCI-based environmental controller for the motiondisabled. IEEE Trans Neural Syst Rehabil Eng, 11, Jun., 137–140, (2003).

[13] S.G. Mason, A. Bashashati, M. Fatourechi, K.F. Navarro, and G.E. Birch, A comprehensive survey of brain interface technology designs. Ann Biomed Eng, 35, Feb., 137–169, (2007)

[14] R. Leeb, D. Friedman, G.R. Müller-Putz, R. Scherer, M. Slater, and G.Pfurtscheller, SelfPaced (Asynchronous) BCI control of a wheelchair in virtual environments: A case study with a Tetraplegic. Comput Intell Neurosci, 79642,(2007)

[15] Anand Nayyar, Vikram Puri A review of Arduino board's, Lilypad's & Arduino shields, Computing for Sustainable Global Development (INDIACom), 2016

[16] Dr Suzy Duckworth, GPST1 Norwich; Shamsher Diu FES for foot drop in stroke and MS policy Norfolk County Council 2012

[17] Fung, J., & Barbeau, H. (1994). Effects of conditioning cutaneomuscular stimulation on the soleus H-reflex in normal and spastic paretic subjects during walking and standing. Journal of Neurophysiology, 72(5), 2090-2104.

[18] Morten L. Kringelbach, Ned Jenkinson, Sarah L.F. Owen & Tipu Z. Aziz (2007). Translational principles of deep brain stimulation. Nature Reviews Neuroscience 8, 623-635 (August 2007).