Study of a Tiredness Identification System

Dan Laurențiu MILICI; Adrian GRAUR; Mihaela POIENAR; Mihai CENUȘĂ; Andrei BARASCU

University "Ștefan cel Mare" of Suceava

Suceava, România

dam@eed.usv.ro, adriang@eed.usv.ro, mihaela_poienar@yahoo.com, mcenusa@yahoo.com

Abstract— The paper presents a designed, implemented and tested application intended to evaluate the level of attention to people who perform activities that require a high level of concentration, using a measurement system in one point of the electroencephalographic signal. The paper presents the hardware and software structure that highlights the advantages of thesystem.

Keywords- electroencephalographic signal, Bluetooth module, electromyogram, pulse

REFERENCES

[1] L. D. Milici, M. R. Milici, *Consideration about the evolution of performance in nature and technology*, European Journal of Science and Theology, vol. 9, no. 1, feb. 2013, pp. 157 – 166.

[2] D. Calitoiu, D. Milici, Modeling with Non-cooperative Agents: Destructive and Non-Destructive Search Algorithms for Randomly Located Objects, in Search Algorithms and Applications, published by INTECH, 2011, pp. 14 / 504.

[3] E. Rață, L.D. Milici, Analysis Methods for Computerized Forecasting in the Athletes' Sportive Performances for Term of the Competitional Period, Elektronika ir Elektrotechnika, Vol. 95, No. 7, pp 99 – 102.

[4] S.D. Paţa, M. Cenuşă, M. Poienar, L.D. Milici, *Monitoring System for the Emotional States*, International Conference on Advancements of Medicine and Health Care through Technology; 12th-15th October 2016, Cluj-Napoca, 2016, Sringer, pp. 85 – 88.

[5] https://www.mindtecstore.com/NeuroSky-Brainwave-Starter-Kit-EEG.