









- [3] Gulo CA, Sementille AC, Tavares JM. Techniques of medical image processing and analysis accelerated by high-performance computing: A systematic literature review. *Journal of Real-Time Image Processing*. 2017;16:1-8
- [4] Xu J, Huang E, Chen CH, Lee LH. Simulation optimization: A review and exploration in the new era of cloud computing and big data. *Asia-Pacific Journal of Operational Research*. 2015;32(03):1550019
- [5] Wang T, Kemao Q. Parallel computing in experimental mechanics and optical measurement: A review (II). *Optics and Lasers in Engineering*. 2018;104:181-91
- [6] Pratz G, Xing L. GPU computing in medical physics: A review. *Medical physics*. 2011;38(5):2685-97
- [7] Brodtkorb AR, Hagen TR, Sætra ML. Graphics processing unit (GPU) programming strategies and trends in GPU computing. *Journal of Parallel and Distributed Computing*. 2013;73(1):4-13
- [8] Munshi A, Gaster B, Mattson TG, Ginsburg D. *OpenCL Programming Guide*, Pearson Education (2011)
- [9] Stone JE, Gohara D, Shi G. OpenCL: A parallel programming standard for heterogeneous computing systems. *Computing in science & engineering*. 2010;12(3):66
- [10] Gaster B, Howes L, Kaeli DR, Mistry P, Schaa D. *Heterogeneous computing with openCL: revised openCL 1*, Newnes (2012)
- [11] Tangermann M, et al. Review of the BCI competition IV. *Frontiers in neuroscience*. 2012;6:55
- [12] Lotte F, et al. A review of classification algorithms for EEG-based brain-computer interfaces: a 10 year update. *Journal of neural engineering*. 2018;15(3):031005
- [13] Al-Fahoum AS, Al-Fraihat AA. Methods of EEG signal features extraction using linear analysis in frequency and time-frequency domains. *ISRN neuroscience*. 2014
- [14] Delorme A, Rousselet GA, Mace MJ, Fabre-Thorpe M. Interaction of top-down and bottom-up processing in the fast visual analysis of natural scenes. *Brain research Cognitive brain research*. 2004;19(2):103-13
- [15] Kaeli DR, Mistry P, Schaa D, Zhang DP. *Heterogeneous Computing with OpenCL 2.0*, Morgan Kaufmann (2015)
- [16] Soliman SS, Hsue SZ. Signal classification using statistical moments. *IEEE Transactions on Communications*. 1992;40(5):908-16
- [17] Hjorth B. EEG analysis based on time domain properties. *Electroencephalography and clinical neurophysiology*. 1970;29(3):306-10
- [18] Zaki MJ, Parthasarathy S, Ogihara M, Li W. Parallel algorithms for discovery of association rules. *Data mining and knowledge discovery*. 1997;1(4):343-73
- [19] Fang J, Varbanescu AL, Sips H. A comprehensive performance comparison of CUDA and OpenCL, in *Proc. International Conference on Parallel Processing*, 2011, 216-225