













## REFERENCES

- [1] M. Prince and et al., World Alzheimer Report 2016: Improving healthcare for people living with dementia, Alzheimer's Disease International, 2016.
- [2] *What Is Dementia?*, NIA Alzheimer's and related Dementias Education and Referral Center, 2017.
- [3] Alzheimer's Association, *2018 Alzheimer's disease facts and figures*, Alzheimer's Association/Alzheimer's & Dementia, vol. 14 (3), pp. 367-429, 2018.
- [4] *Alzheimer's Disease Fact Sheet*, NIA Alzheimer's and related Dementias Education and Referral Center, 2017.
- [5] S. Suksuphew, P. Horkaew, "Hyperplanar Morphological Clustering of a Hippocampus by Using Volumetric Computerized Tomography in Early Alzheimer's Disease." *Brain Sci.*, vol. 7, 155. 2017.
- [6] A. Khaminkure, J. Panyavaraporn, and P. Horkaew, "Building a Brain Atlas based on Gabor Texture Features," in *Proc. 14<sup>th</sup> International Joint Conference on Computer Science and Software Engineering*, pp. 1-5, July 2017.
- [7] L. Rice, S. Bisdas, "The diagnostic value of FDG and amyloid PET in Alzheimer's disease—A systematic review," *European Journal of Radiology*, vol. 94, pp. 16-24, Sep. 2017.
- [8] D. Lu, K. Popuri, G. W. Ding, R. Balachandar and M. F. Beg, "Multiscale deep neural network-based analysis of FDG-PET images for the early diagnosis of Alzheimer's disease," *Medical Image Analysis*, vol. 46, pp. 26-34, Feb. 2018.
- [9] W. Wu, J. Venugopalan, and M. D. Wang, "11C-PIB PET image analysis for Alzheimer's diagnosis using weighted voting ensembles," in *Proc. 2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, pp. 3914 – 3917, July 2017.
- [10] D. Cheng and M. Liu, "Combining convolutional and recurrent neural networks for Alzheimer's disease diagnosis using PET images," in *Proc. 2017 IEEE International Conference on Imaging Systems and Techniques (IST)*, pp. 1-5, Oct. 2017.
- [11] Akhila D B, Shobhana S, A. Lenin Fred and S. N Kumar, "Robust Alzheimer's disease classification based on multimodal neuroimaging," in *Proc. 2016 IEEE International Conference on Engineering and Technology (ICETECH)*, pp. 1-5, March 2016.
- [12] I. Garali, M. Adel, S. Bourennane and E. Guedj, "Region-based brain selection and classification on pet images for Alzheimer's disease computer-aided diagnosis," in *Proc. 2015 IEEE International Conference on Image Processing (ICIP)*, pp. 1473 - 1477, Sep. 2015.
- [13] Fatma El-Zahraa A. El-Gamal, and et. al. "A novel CAD system for local and global early diagnosis of Alzheimer's disease based on PIB-PET scans," in *Proc. 2017 IEEE International Conference on Image Processing (ICIP)*, pp. 3270 – 3274. Sept. 2017
- [14] H. Byun and S.-W. Lee, "Applications of Support Vector Machines for Pattern Recognition: A Survey," *LNCSS*, 2388, pp. 213-236, 2002.
- [15] F. H. Anuwar and A. M. Omar, "Future Solar Irradiance Prediction Using Least Square Support Vector Machine," *International Journal on Advanced Science, Engineering and Information Technology*, 6(4), pp. 520-513, 2016.
- [16] N. N. M. Hasri, N. H. Wen, C. W. Howe, M. S. Mohamad, S. Deris and S. Kasim, "Improved Support Vector Machine Using Multiple SVM-RFE for Cancer Classification," *International Journal on Advanced Science, Engineering and Information Technology*, 7(4-2), pp. 1589-1594, 2017.
- [17] C. K. On, P.M. Pandiyan, and S. Yaacob, "Mel-frequency cepstral coefficient analysis in speech recognition," in *Proc. International Conference on Computing & Informatics*, pp. 1-5, 2006.
- [18] F. S. Al-Anzi, D. Abu Zeina, "The Capacity of Mel Frequency Cepstral Coefficients for Speech Recognition," *International Journal of Computer and Information Engineering*, 11(10), pp. 1162-1166, 2017.