

6. REFERENCES

- [1] I. Lakshan, L. Wickramasinghe, S. Disala, S. Chandrasegar and P. S. Haddela, "Real Time Deception Detection for Criminal Investigation," 2019 National Information Technology Conference (NITC), Colombo, Sri Lanka, 2019, pp. 90-96, doi: 10.1109/NITC48475.2019.9114422.
- [2] Martinez, Aleix & Du, Shichuan. (2012). A Model of the Perception of Facial Expressions of Emotion by Humans: Research Overview and Perspectives. *Journal of machine learning research : JMLR.* 13. 1589-1608.
- [3] Blandon-Gitlin, Iris & Fenn, Elise & Masip, Jaume & Yoo, Aspen. (2014). Cognitive-load approaches to detect deception: Searching for cognitive mechanisms. *Trends in Cognitive Sciences.* 18. 441–444. 10.1016/j.tics.2014.05.004.
- [4] Li, Ming & Xu, Hao & Huang, Xingchang & Song, Zhanmei & Liu, Xiaolin & Li, Xin. (2018). Facial Expression Recognition with Identity and Emotion Joint Learning. *IEEE Transactions on Affective Computing.* PP. 1-1. 10.1109/TAFFC.2018.2880201.
- [5] H. Karimi, J. Tang and Y. Li, "Toward End-to-End Deception Detection in Videos," 2018 IEEE International Conference on Big Data (Big Data), Seattle, WA, USA, 2018, pp. 1278-1283, doi: 10.1109/BigData.2018.8621909.
- [6] M. Owayjan, A. Kashour, N. Al Haddad, M. Fadel and G. Al Souki, "The design and development of a Lie Detection System using facial micro-expressions," 2012 2nd International Conference on Advances in Computational Tools for Engineering Applications (ACTEA), Beirut, 2012, pp. 33-38, doi: 10.1109/ICTEA.2012.6462897.
- [7] N. Baghel, D. Singh, M. K. Dutta, R. Burget and V. Myska, "Truth Identification from EEG Signal by using Convolution neural network: Lie Detection," 2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 2020, pp. 550-553, doi: 10.1109/TSP49548.2020.9163497.
- [8] D. Barsever, S. Singh and E. Neftci, "Building a Better Lie Detector with BERT: The Difference Between Truth and Lies," 2020 International Joint Conference on Neural Networks (IJCNN), Glasgow, United Kingdom, 2020, pp. 1-7, doi: 10.1109/IJCNN48605.2020.9206937.
- [9] N. Srivastava and S. Dubey, "Deception detection using artificial neural network and support vector machine," 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), Coimbatore, 2018, pp. 1205-1208, doi: 10.1109/ICECA.2018.8474706.

- [10] Z. Labibah, M. Nasrun and C. Setianingsih, "Lie Detector With The Analysis Of The Change Of Diameter Pupil and The Eye Movement Use Method Gabor Wavelet Transform and Decision Tree," 2018 IEEE International Conference on Internet of Things and Intelligence System (IOTAIS), Bali, 2018, pp. 214-220, doi: 10.1109/IOTAIS.2018.8600918.
- [11] J. Pak and L. Zhou, "A comparison of features for automatic deception detection in synchronous computer-mediated communication," 2015 IEEE International Conference on Intelligence and Security Informatics (ISI), Baltimore, MD, USA, 2015, pp. 141-143, doi: 10.1109/ISI.2015.7165955.
- [12] E. Youssef, H. T. Ouda and M. Azab, "MUSE: A Portable Cost-efficient Lie Detector," 2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver, BC, Canada, 2018, pp. 242-246, doi: 10.1109/IEMCON.2018.8614795.
- [13] Gupta, Viresh & Agarwal, Mohit & Arora, Manik & Chakraborty, Tanmoy & Singh, Richa & Vatsa, Mayank. (2019). Bag-of-Lies: A Multimodal Dataset for Deception Detection. 83-90. 10.1109/CVPRW.2019.00016.
- [14] Zhiyu, Wang. (2010). Based on physiology parameters to design lie detector. ICCASM 2010 - 2010 International Conference on Computer Application and System Modeling, Proceedings. 8. 10.1109/ICCASM.2010.5619088.
- [15] N. Srivastava and S. Dubey, "Deception detection using artificial neural network and support vector machine," 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), Coimbatore, India, 2018, pp. 1205-1208, doi: 10.1109/ICECA.2018.8474706.
- [16] H. H. Thannoos, W. H. Ali and I. A. Hashim, "Detection of Deception Using Facial Expressions Based on Different Classification Algorithms," 2018 Third Scientific Conference of Electrical Engineering (SCEE), Baghdad, Iraq, 2018, pp. 51-56, doi: 10.1109/SCEE.2018.8684170.
- [17] Hopkins, C.S. & Ratley, R.J. & Benincasa, D.S. & Grieco, J.J.. (2005). Evaluation of Voice Stress Analysis Technology. 20b- 20b. 10.1109/HICSS.2005.254.
- [18] J. O'Shea, K. Crockett, W. Khan, P. Kindynis, A. Antoniades and G. Boultadakis, "Intelligent Deception Detection through Machine Based Interviewing," 2018 International Joint Conference on Neural Networks (IJCNN), Rio de Janeiro, Brazil, 2018, pp. 1-8, doi: 10.1109/IJCNN.2018.8489392.

- [19] Singh, Birender & Rajiv, Pooshkar & Chandra, Mahesh. (2015). Lie detection using image processing. 1-5. 10.1109/ICACCS.2015.7324092.
- [20] Lakshan, L. Wickramasinghe, S. Disala, S. Chandrasegar and P. S. Haddela, "Real Time Deception Detection for Criminal Investigation," 2019 National Information Technology Conference (NITC), Colombo, Sri Lanka, 2019, pp. 90-96, doi: 10.1109/NITC48475.2019.9114422.
- [21] M. Owayjan, A. Kashour, N. Al Haddad, M. Fadel and G. Al Souki, "The design and development of a Lie Detection System using facial micro-expressions," 2012 2nd International Conference on Advances in Computational Tools for Engineering Applications (ACTEA), Beirut, Lebanon, 2012, pp. 33-38, doi: 10.1109/ICTEA.2012.6462897.
- [22] Karimi, Hamid & Tang, Jiliang & Li, Yanen. (2018). Toward End-to-End Deception Detection in Videos. 1278-1283. 10.1109/BigData.2018.8621909.
- [23] Yap, Moi Hoon & Rajoub, Bashar & Ugail, Hassan & Zwiggelaar, Reyer. (2011). Visual Cues for Facial Behaviour in Deception Detection. ICCAIE 2011 - 2011 IEEE Conference on Computer Applications and Industrial Electronics. 10.1109/ICCAIE.2011.6162148.
- [24] Pérez-Rosas, Verónica & Abouelenien, Mohamed & Mihalcea, Rada & Xiao, Yao & Linton, CJ & Burzo, Mihai. (2015). Verbal and Nonverbal Clues for Real-life Deception Detection. 2336-2346. 10.18653/v1/D15-1281.
- [25] Rajoub, Bashar & Zwiggelaar, Reyer. (2014). Thermal Facial Analysis for Deception Detection. Information Forensics and Security, IEEE Transactions on. 9. 1015-1023. 10.1109/TIFS.2014.2317309.
- [26] J. Geisheimer and E. F. Greneker, "A non-contact lie detector using radar vital signs monitor (RVSM) technology," in IEEE Aerospace and Electronic Systems Magazine, vol. 16, no. 8, pp. 10-14, Aug. 2001, doi: 10.1109/62.942213.
- [27] G. Sapijaszko, T. AlObaidi and W. B. Mikhael, "Adaptive Feature Extraction Algorithm using Mixed Transforms for Facial Recognition," 2018 IEEE 61st International Midwest Symposium on Circuits and Systems (MWSCAS), Windsor, ON, Canada, 2018, pp. 226-229, doi: 10.1109/MWSCAS.2018.8623830.