

REFERENCES

- [1] M. Fallahpour, A. Fatehi, B. N. Araabi, and M. Azizi, "A neuro-fuzzy controller for rotary cement kilns," *IFAC Proc. Vol.*, vol. 17, no. 1 PART 1, pp. 13259–13264, 2008, doi: 10.3182/20080706-5-KR-1001.1458.
- [2] J. Baek and Y. Choi, "Deep neural network for predicting ore production by truck-haulage systems in open-pit mines," *Appl. Sci.*, vol. 10, no. 5, 2020, doi: 10.3390/app10051657.
- [3] R. E. King, "Intelligent control in the cement industry," *IFAC Proc. Ser.*, vol. 21, no. 4, pp. 303–307, 1989, doi: 10.1016/s1474-6670(17)54510-3.
- [4] S. W. Hagemoen, "Expert system application for lime kiln automation," *IEEE Conf. Rec. Annu. Pulp Pap. Ind. Tech. Conf.*, pp. 91–97, 1993, doi: 10.1109/papcon.1993.255821.
- [5] FLSmidth, "Advanced process control for the cement industry," *FLSmidth*, 2014.
- [6] J. P. John, "Parametric Studies of Cement Production Processes," *J. Energy*, vol. 2020, pp. 1–17, 2020, doi: 10.1155/2020/4289043.
- [7] K. W. Winspear and L. G. Morris, "AUTOMATION AND CONTROL IN GLASSHOUSES," *Acta Hortic.*, vol. XIX, no. 2, pp. 61–70, 1965, doi: 10.17660/actahortic.1965.2.10.
- [8] H. Zermane and H. Mouss, "Internet and fuzzy based control system for rotary kiln in cement manufacturing plant," *Int. J. Comput. Intell. Syst.*, vol. 10, no. 1, pp. 835–850, 2017, doi: 10.2991/ijcis.2017.10.1.56.
- [9] "Kiln Control and Operation - INFINITY FOR CEMENT EQUIPMENT." <https://www.cementequipment.org/cement-plant-operation-ccr-operator/kiln-control-operation/> (accessed Nov. 24, 2021).
- [10] Holcim (Lanka) Ltd, "NON-CONFIRM SITUATION NON-CONFIRM SITUATION," 2016.
- [11] J. C. Duchi, P. L. Bartlett, and M. J. Wainwright, "Randomized smoothing for (parallel) stochastic optimization," *Proc. IEEE Conf. Decis. Control*, vol. 12, pp. 5442–5444, 2012, doi: 10.1109/CDC.2012.6426698.
- [12] S. Biswal and G. R. Sabareesh, "Design and development of a wind turbine test rig for condition monitoring studies," *2015 Int. Conf. Ind. Instrum. Control. ICIC 2015*, pp. 891–896, Jul. 2015, doi: 10.1109/IIC.2015.7150869.
- [13] J. Zenisek, F. Holzinger, and M. Affenzeller, "Machine learning based concept drift detection for predictive maintenance," *Comput. Ind. Eng.*, vol. 137, p. 106031, Nov. 2019, doi: 10.1016/j.cie.2019.106031.
- [14] Á. L. Orille-Fernández, N. Khalil, and S. Bogarra Rodríguez, "Failure risk

- prediction using artificial neural networks for lightning surge protection of underground MV cables,” *IEEE Trans. Power Deliv.*, vol. 21, no. 3, pp. 1278–1282, Jul. 2006, doi: 10.1109/TPWRD.2006.874643.
- [15] A. K. Jain, J. Mao, and K. M. Mohiuddin, “Artificial neural networks,” *Computer*, vol. 29, no. 3, pp. 31–44, Mar. 1996, doi: 10.1109/2.485891.
- [16] M. M. Saritas, “Performance Analysis of ANN and Naive Bayes Classification Algorithm for Data Classification,” *Int. J. Intell. Syst. Appl. Eng.*, vol. 7, no. 2, pp. 88–91, Jun. 2019, doi: 10.18201/ijisae.2019252786.
- [17] S. Gomes Soares and R. Araújo, “An on-line weighted ensemble of regressor models to handle concept drifts,” *Eng. Appl. Artif. Intell.*, vol. 37, pp. 392–406, 2015, doi: 10.1016/j.engappai.2014.10.003.
- [18] J. H. Shin, H. B. Jun, and J. G. Kim, “Dynamic control of intelligent parking guidance using neural network predictive control,” *Comput. Ind. Eng.*, vol. 120, pp. 15–30, 2018, doi: 10.1016/j.cie.2018.04.023.
- [19] B. Hesser, Daniel Frank; Markert, “Tool wear monitoring of a retrofitted CNC milling machine us... - RWTH AACHEN UNIVERSITY Chair and Institute of General Mechanics - English,” *RWTH-2018-230550*, vol. 19, pp. 1–4, Accessed: Nov. 29, 2021. [Online]. Available: <https://www.iam.rwth-aachen.de/go/id/ssih/file/750306/lidx/1/>.
- [20] A. Mattes, U. Schopka, M. Schellenberger, P. Scheibelhofer, and G. Leditzky, “Virtual Equipment for benchmarking Predictive Maintenance algorithms,” 2012, doi: 10.1109/WSC.2012.6465084.
- [21] M. Kuhn and K. Johnson, *Applied predictive modeling*. Springer New York, 2013.
- [22] J. Brownlee, “Data Preparation for Machine Learning: Machine Learning Mastery,” *Ambiguous Childhoods Peer Social. Sch. Agency a Zambian Village*, pp. vii–viii, 2020, Accessed: Nov. 29, 2021. [Online]. Available: <https://machinelearningmastery.com/data-preparation-for-machine-learning/>.
- [23] J. Brownlee, “How to Use StandardScaler and MinMaxScaler Transforms in Python,” *Machine Learning Mastery*, 2020. <https://machinelearningmastery.com/standardscaler-and-minmaxscaler-transforms-in-python/> (accessed Nov. 29, 2021).
- [24] I. H. Witten, E. Frank, M. A. Hall, and C. J. Pal, *Data Mining: Practical Machine Learning Tools and Techniques*. Elsevier Inc., 2016.
- [25] J. Brownlee, “How to use Data Scaling improve Deep Learning Model Stability and Performance,” 2019. <https://machinelearningmastery.com/how-to-improve-neural-network-stability-and-modeling-performance-with-data-scaling/> (accessed Nov. 29, 2021).

- [26] A. L. Maas, A. Y. Hannun, and A. Y. Ng, “Rectifier nonlinearities improve neural network acoustic models,” 2013.
- [27] S. Arad, “Thermal analysis of the rotary kiln through FEA 2 State of Art,” no. May, pp. 182–187, 2015.
- [28] S. Umar, “Reference Guide For Process Performance Engineers (4th ed),” *Holcim*, no. April, 2007.