García Dunna, E., García Reyes, H., & Cárdenas Barrón, L. E. (2013). *Simulación y análisis de sistemas con ProModel (Segunda ed.).* México: Pearson.

Hernández-Vázquez, J. O., Hernández-González, S., Jiménez-García, J. A., Hernández-Ripalda, M. D., & Hernández-Vázquez, J. I. (2019). Enfoque híbrido metaheurístico AG-RS para el problema de asignación del buffer que minimiza el inventario en proceso en líneas de producción abiertas en serie. *Revista Iberoamericana de Automática e Informática Industrial*, *16*(4), 447–458. https://doi.org/10.4995/riai.2019.10883

Hernandez-Vicen, J., Martinez, S., & Balaguer, C. (2021). Principios básicos para el desarrollo de una aplicación de bi-manipulación de cajas por un robot humanoide. *Revista Iberoamericana de Automática e Informática industrial*, 18(2), 129-137. doi:https://doi.org/10.4995/riai.2020.13097

Kleijnen, J. P. C., & Sargent, R. G. (2000). A methodology for fitting and validating metamodels in simulation. *European Journal of Operational Research*, *120*(1), 14–29. https://doi.org/10.1016/S0377-2217(98)00392-0

Köse, S. Y., Demir, L., Tunal, S., & Eliiyi, D. T. (2015). Capacity improvement using simulation optimization approaches: A case study in the thermotechnology industry. *Engineering Optimization*, *47*(2), 149–164. https://doi.org/10.1080/0305215X.2013.875166

Kose, S. Y., & Kilincci, O. (2015). Hybrid approach for buffer allocation in open serial production lines. *Computers & Operations Research*, *60*, 67–78. https://doi.org/10.1016/j.cor.2015.01.009

Kose, S. Y., & Kilincci, O. (2018). A multi-objective hybrid evolutionary approach for buffer allocation in open serial production lines. *Journal of Intelligent Manufacturing*, 1–19. https://doi.org/10.1007/s10845-018-1435-6

Koyuncuoğlu, M. U., & Demir, L. (2021). Buffer capacity allocation in unreliable production lines: An adaptive large neighborhood search approach. *Engineering Science and Technology, an International Journal*, 24(2), 299-309.

Li, J. (2013). Continuous improvement at Toyota manufacturing plant: Applications of production systems engineering methods. *International Journal of Production Research*, *51*(23–24), 7235–7249. https://doi.org/10.1080/00207543.2012.753166

Lin, J. T., & Chiu, C. C. (2018). A hybrid particle swarm optimization with local search for stochastic resource allocation problem. *Journal of Intelligent Manufacturing*, *29*(3), 481–495. https://doi.org/10.1007/s10845-015-1124-7

Mohtashami, A. (2014). A new hybrid method for buffer sizing and machine allocation in unreliable production and assembly lines with general distribution time-dependent parameters. *International Journal of Advanced Manufacturing Technology*, *74*(9–12), 1577–1593. https://doi.org/10.1007/s00170-014-6098-7

Motlagh, M. M., Azimi, P., Amiri, M., & Madraki, G. (2019). An efficient simulation optimization methodology to solve a multi-objective problem in unreliable unbalanced production lines. *Expert Systems with Applications*, *138*, 112836. https://doi.org/10.1016/j.eswa.2019.112836

Nahas, N. (2017). Buffer allocation and preventive maintenance optimization in unreliable production lines. *Journal of Intelligent Manufacturing*, *28*(1), 85–93. https://doi.org/10.1007/s10845-014-0963-y

Nahas, N., & Nourelfath, M. (2018). Joint optimization of maintenance, buffers and machines in manufacturing lines. *Engineering Optimization*, *50*(1), 37–54. https://doi.org/10.1080/0305215X.2017.1299716

Nahas, N., Nourelfath, M., & Gendreau, M. (2014). Selecting machines and buffers in unreliable assembly/disassembly manufacturing networks. *International Journal of Production Economics*, *154*, 113–126. https://doi.org/10.1016/j.ijpe.2014.04.011

Narasimhamu, K. L., Venugopal Reddy, V., & Rao, C. S. P. (2014). Optimal buffer allocation in tandem closed queuing network with single server using PSO. *Procedia Materials Science*, *5*, 2084–2089. https://doi.org/10.1016/j.mspro.2014.07.543

Noguera, J. H., & Watson, E. F. (2006). Response surface analysis of a multi-product batch processing facility using a simulation metamodel. *International Journal of Production Economics*, *102*(2), 333–343. https://doi.org/10.1016/j.ijpe.2005.02.014

Oesterle, J., Bauernhansl, T., & Amodeo, L. (2016). Hybrid multi-objective optimization method for solving simultaneously the line balancing, equipment and buffer sizing problems for hybrid assembly systems. *Procedia CIRP*, *57*, 416–421. https://doi.org/10.1016/j.procir.2016.11.072

Ouzineb, M., Mhada, F. Z., Pellerin, R., & El Hallaoui, I. (2018). Optimal planning of buffer sizes and inspection station positions. *Production and Manufacturing Research*, *6*(1), 90–112. https://doi.org/10.1080/21693277.2017.1422812

Pantano, M., Fernández, M., Rodríguez, L., & Scaglia, G. (2021). Optimización dinámica basada en Fourier. Aplicación al proceso de biodiesel. *Revista Iberoamericana de Automática e Informática industrial*, 18(1), 32-38. doi:https://doi.org/10.4995/riai.2020.12920

Patchong, A., & Kerbache, L. (2017). Transiting toward the factory of the future: Optimal buffer sizes and robot cell design in car body production. *IEEE International Conference on Industrial Engineering and Engineering Management*, *2017–Decem*, 1596–1601. https://doi.org/10.1109/IEEM.2017.8290162

Renna, P. (2019). Adaptive policy of buffer allocation and preventive maintenance actions in unreliable production lines. *Journal of Industrial Engineering International*, *15*(3), 411–421. https://doi.org/10.1007/s40092-018-0301-7

Shaaban, S., & Romero-Silva, R. (2020). Performance of merging lines with uneven buffer capacity allocation: the effects of unreliability under different inventory-related costs. *Central European Journal of Operations Research*. https://doi.org/10.1007/s10100-019-00670-9

Su, C., Shi, Y., & Dou, J. (2017). Multi-objective optimization of buffer allocation for remanufacturing system based on TS-NSGAII hybrid algorithm. *Journal of Cleaner Production*, *166*, 756–770. https://doi.org/10.1016/j.jclepro.2017.08.064

Wang, G., Shin, Y. W., & Moon, D. H. (2016). Comparison of three flow line layouts with unreliable machines and profit maximization. *Flexible Services and Manufacturing Journal*, *28*(4), 669–693. https://doi.org/10.1007/s10696-015-9233-3

Wang, G., Song, S., Shin, Y. W., & Moon, D. H. (2014). A simulation based study on increasing production capacity in a crankshaft line considering limited budget and space. *Journal of Korean Institute of Industrial Engineers*, *40*(5), 481–491. https://doi.org/10.7232/jkiie.2014.40.5.481

Weiss, S., Schwarz, J. A., & Stolletz, R. (2019). The buffer allocation problem in production lines: Formulations, solution methods, and instances. *IISE Transactions*, *51*(5), 456–485. https://doi.org/10.1080/24725854.2018.1442031

Weiss, S., & Stolletz, R. (2015). Buffer allocation in stochastic flow lines via sample-based optimization with initial bounds. *OR Spectrum*, *37*(4), 869–902. https://doi.org/10.1007/s00291-015-0393-z

Xi, S., Smith, J. M., Chen, Q., Mao, N., Zhang, H., & Yu, A. (2021). Simultaneous machine selection and buffer allocation in large unbalanced series-parallel production lines. *International Journal of Production Research*. https://doi.org/10.1080/00207543.2021.1884306

Yu, P. L. (1973). A class of solutions for group decision problems. *Management Science*, *19*(8), 936–946. https://doi.org/10.1287/mnsc.19.8.936

Yuzukirmizi, M., & Smith, J. M. G. (2008). Optimal buffer allocation in finite closed networks with multiple servers. *Computers and Operations Research*, *35*(8), 2579–2598. https://doi.org/10.1016/j.cor.2006.12.008

Zandieh, M., Joreir-Ahmadi, M. N., & Fadaei-Rafsanjani, A. (2017). Buffer allocation problem and preventive maintenance planning in non-homogenous unreliable production lines. *International Journal of Advanced Manufacturing Technology*, *91*(5–8), 2581–2593. https://doi.org/10.1007/s00170-016-9744-4

Zhou, B. H., Liu, Y. W., Yu, J. Di, & Tao, D. (2018). Optimization of buffer allocation in unreliable production lines based on availability evaluation. *Optimal Control Applications and Methods*, *39*(1), 204–219. https://doi.org/10.1002/oca.2341