REFERENCE

APICS, *APICS Operations Management Body of Knowledge Framework*, APICS The Association for Operations Management, Chicago, 2011.

BDC, *Industry 4.0: The New Industrial Revolution Are Canadian manufacturers ready?*, Business Development Bank of Canada, 2017.

Bhawakar, N.B., Jadhao, C.M., and Mhaske, S.S., "Multiobjective Advanced Planning and Scheduling Using Iterative Genetic Algorithm", *in the International Conference on Computing Communication Control and automation (ICCUBEA)*, 2016, 1-6.

Chen, J.C., Huang, P.T.B, Wu, J.G., Lai, K.Y., Chen, C.C., and Peng, T.W., "Advanced planning and scheduling for TFT-LCD color filter fab with multiple lines", *International Journal Advanced Manufacturing Technology*, 2013, 67: 101-110.

Chen, K. and Ji, P., "A mixed integer programming model for advanced planning and scheduling (APS)", *European Journal of Operational Research*, vol.181, 2007, 515–522.

Chen, K.J. and Ji, P., "A genetic algorithm for dynamic advanced planning and scheduling (DAPS) with a frozen interval", *Expert Systems with Applications*, vol. 33, 2007, 1004-1010.

Choi, S.H., Park, M.W., Lee, D.H., Jeong, K.C., Lim, S.K., Kim, J.G., and Lee, G.C., "A Conceptual Framework of an Advanced Planning and Scheduling System for Printed Circuit Board Manufacturing Lines", *Asia Pacific Management Review*, vol. 11, 2006, 3: 133-139.

Chua, T.J., Wang, F.Y., Cai, T.X., and Yin, X.F., "A Heuristics-based Advanced Planning and Scheduling System with Bottleneck Scheduling Algorithm", *in the IEEE International Conference on Emerging Technologies and Factory Automation (ETFA)*, 2006, 240-247.

Entrup, M.L., *Advanced Planning in Fresh Food Industries: Integrating Shelf Life into Production Planning*, Physica-Verlag, Heidelberg, 2005.

Eulalia, L.A., D'Amours, S., Frayret, J., Menegusso, C.C., and Azevedo, R.C., "Advanced Supply Chain Planning Systems (APS) Today and Tomorrow", *Supply Chain Management - Pathways for Research and Practice*, ISBN: 978-953-307-294-4, InTech, 2011.

Fachini, R.F. and Esposto, K.F., "A framework for development of advanced planning and scheduling (APS) systems in glass container industry", *Journal of Manufacturing Technology Management*, vol. 29, 2018, 3: 570-587.

Guo, J.H., "Applications of the Internet of Things Technology in Advanced Planning Systems", *Sensors and Materials,* vol. 30, 2018, 8: 1723–1734.

Hsu, T.H., Wang, L.C., and Chu, P.C., "Development of a Cloud-based Advanced Planning and Scheduling System", *Procedia Manufacturing*, vol. 17, 2018, 427-434.

Hvolby,H-H. and Steger-Jensen, K.. "Technical and industrial issues of advanced planning and scheduling (APS) systems". *Computers in Industry*, vol. 61, 2010, 9: 845–851.

Jardzioch, A. and Skobiej, B., "Simulated Hardening Algorithm Application in Advanced Planning and Scheduling", *Entrepreneurship and Management*, vol. 17, 2016, 105-119.

Kacem, I., Hammadi, S., and Borne, P., "Approach by Localization and Multiobjective Evolutionary Optimization for Flexsible Job-Shop Scheduling Problems", *IEEE Transactions on System, Man, and Cybernetics*, Vol. 32, 2002.

Kung, L.C. and Chern, C.C., "Heuristic factory planning algorithm for advanced planning and scheduling", *Computers & Operations Research*, vol. 36, 2009, 2513-2530.

Kuroda, M., Shin, H., and Zinnohara, A., "Robust scheduling in an advanced planning and scheduling environment", *International Journal of Production Research*, vol. 40, 2002, 15: 3655-3668

Lee, Y.H., Jeong, C.S., and Moon, C., "Advanced planning and scheduling with outsourcing in manufacturing supply chain", *Computers & Industrial Engineering*, vol. 43, 2002, 351-374.

Montesco, R.A.E., Pessoa, M.A.O., and Blos, M.F., "Scheduling heuristic resourced-based on task time windows for APS (Advanced planning and scheduling) Systems", *IFAC-PapersOnLine*, vol. 48, 2015, 3: 2273-2280.

Neumann, K., Schwindt, C., and Trautmann, N., "Advanced production scheduling for batch plants in process industries", *OR Spectrum*, 2002, 24: 251–279.

Ozturk, C. and Ornek, A.M., "Operational extended model formulations for Advanced Planning and Scheduling systems", *Applied Mathematical Modelling*, vol. 38, 2014, 181-195.

Ozturk, C. and Ornek, M.A., "Optimisation and Constraint Based Heuristic Methods for Advanced Planning and Scheduling Systems", *International Journal of Industrial Engineering*, vol. 23, 2016, 1: 26-48.

Peng, Y., Lu, D., and Chen, Y., "A Constraint Programming Method for Advanced Planning and Scheduling System with Multilevel Structured Products", *Discrete Dynamics in Nature and Society*, vol. 2014, 2014, 917685.

Pessoa, M.A.O., Montesco, R.A.E., Junqueira, F., Filho, D.J.S., Miyagi, P.E., "Advanced Planning and Scheduling Systems based on Time Windows and Constraint Programming", *in the 11th IFAC Workshop on Intelligent Manufacturing Systems*, 2013, 192-197.

PWC, *Industry 4.0: Building the digital enterprise*, 2016, taken from: www.pwc.com/industry40 (accessed on May 23, 2019).

Shin, K., Kuroda, M., and Fukusako, S., "A Practical Scheduling Framework fbr Component Manufacturers in an APS Environment", *Japan Industrial Management Association*, vol. 55, 2004, 59-68.

SIROPACK, "*Industry 4.0: un nuovo nome per l'innovazione Siropack*", 2017, taken from: http://www.siropack.it/industry-4-0-un-nuovo-nome-per-linnovazione-siropack(accessed on May 23, 2019)

Stadtler, H., Kilger, C., and Meyr, H., *Supply Chain Management and Advanced Planning Concepts: Models, Software, and Case Studies*, Springer, Heidelberg, 5th Edition, 2015.

Swamidass, P.M., "SHORTEST PROCESSING TIME RULE", *Encyclopedia of Production and Manufacturing Management*, Springer, Boston, 2000.

Vidoni, M.C. and Vecchietti, A.R., "A systemic approach to define and characterize Advanced Planning Systems (APS)", *Computers & Industrial Engineering*, vol. 90, 2015, 326–338.

Wiers, V.C.S. and de Kok, A.G., *Designing, Selecting, Implementing and Using APS Systems*, Springer, Switzerland, 2018.

Zhong, R.Y., Li, Z., Pang, L.Y., Pan, Y., Qu, T., and Huang, G.Q., "RFID-enabled real-time advanced planning and scheduling shell for production decision making", *International Journal of Computer Integrated Manufacturing*, vol. 26, 2013, 7: 649-662.