7. Bibliografía.

- Adenso-Diaz B, Glover F, Ghaziri H, Gonzalez J.L, Laguna M, Moscato, P, Tseng F. "Heuristic optimization and Neural Networks in Operations Management and Engineering". *Paraninfo*, 1996.
- Bektas T. "The multiple traveling salesman problem: an overview of formulations and solution procedures". *Omega*, 2006; Vol. 34; Pp. 209-219.
- Bi Z.M, Lang S.Y.T, Shen W, Wang L. "Reconfigurable manufacturing systems: the state of the art". *International Journal of Production Research*, 2008; Pp. 1-26.
- Boothroyd G, Dewhurst P, Knight W. "Product Design for Manufacturing and Assembly". *Marcel Dekker*, 1994.
- Carter A.E, Ragsdale C.T. "Scheduling pre-printed newspaper advertising inserts using genetic algorithms". *Omega*, 2002; Vol. 30; Pp. 415–421.
- Carter A.E, Ragdale C.T. "A new approach to solving the multiple traveling salesperson problem using genetic algorithms". *European Journal of Operational Research*, 2006; Vol. 175; Pp. 246-257.
- Carlton W.B, Barnes J.W. "Solving the traveling-salesman problem with time Windows using tabu search". *IIE Transactions*, 1996; Vol. 28; Pp. 617-629.
- Chu C-H. "Recent Advances in Mathematical Programming for Cell Formation". *Manufacturing Research and Technology*, 1995; Vol. 24; Pp. 3-46.
- Drolet J, Abdulnour G, Rheault M. "The cellular manufacturing evolution". *Computers and Industrial Engineering*, 1996; Vol. 31, No.1/2, Pp. 139-142.
- Eguía I, Galán R, Racero J, Canca D. "Modelo de Planificación de la Producción para los Sistemas de Fabricación Reconfigurable". *Actas del X Congreso de Ingeniería de Organización*; Editorial de la Upv, Universidad Politécnica de Valencia, Valencia, España, 2006; Vol. 1, Pp. 169-170.
- Fogel D.B. "A parallel processing approach to a multiple traveling salesman problem using evolutionary programming". *Proceedings of the fourth annual symposium on parallel processing*, Fullerton, CA, 1990; Pp. 318–326.
- Fralix M.T, "From mass production to mass customization". *J. Textile Apparel*; Technol. Manage., 2001; Vol. 1(2), Pp. 1–7.

- Galán R. “Diseño y Planificación de la Producción en Sistemas de Fabricación Reconfigurable”. Tesis Doctoral. Universidad de Sevilla, 2006.
- Galán R, Racero J, Eguía I., García J.M. “A systematic approach for product families formation in Reconfigurable Manufacturing Systems”. *Robotics and Computer Integrated Manufacturing*, 2007a; Vol. 23, Pp. 489-502.
- Galán R, Racero J, Eguía I, Canca D. “A Methodology for Facilitating Reconfiguration in Manufacturing: The Move Towards Reconfigurable Manufacturing Systems”. *International Journal of Advanced Manufacturing Technology*, 2007b; Vol. 33; Pp. 345-353.
- Gershenson J.K, Prasad G.J, Zhang Y. “Product modularity: definitions and benefits”. *Journal of Engineering Design*, 2003; Vol. 14 (3), Pp. 295-313.
- Groover, M.P. “Automation, production systems, and computer-integrated manufacturing”. *Prentice Hall International*, 2nd edition, 2001.
- Hsu C, Tsai M, Chen W. “A study of feature-mapped approach to the multiple travelling salesmen problem”. *IEEE International Symposium on Circuits and Systems*, 1991; Vol. 3, Pp. 1589–1592.
- Jiao J, Ma Q, Tseng M.M. “Towards high value-added products and services: mass customization and beyond”. *Technovation*, 2003; Vol. 23, Pp. 809-821.
- Koren Y, Heisel U, Jovane F, Moriwaki T, Pritschow G, Ulsoy G, Van Brussel H. “Reconfigurable Manufacturing Systems”. *Annals of the CIRP*. 1999; Vol. 48, Pp. 1-14.
- Koren, Y. “Reconfigurable Manufacturing Systems. The NSF Engineering Research Center for Reconfigurable Manufacturing Systems”. *Ann Harbour*, MI, 2003.
- Lei M, Yang X, Tseng M, Yang, S. “Design and intelligent machine center: strategy and practice”. *J. Mechatronics*, 1998; Vol. 8, Pp. 275-281.
- Lin S, Kernighan B. “An effective heuristic algorithm for the traveling salesman problem”. *Operations Research*, 1973; Vol. 21, Pp. 498–516.
- Liles D.H, Huff B.L. “A computer based production scheduling architecture suitable for driving a reconfigurable manufacturing system”. *Compu. Indust.*, 1990; Vol. 19(1–4), Pp. 1–5.
- Malmborg C. “A genetic algorithm for service level based vehicle scheduling”. *European Journal of Operational Research*, 1996; Vol. 93 (1), Pp. 121-134.
- McGrath, M.E., “Product Strategy for High-technology Companies”. (Irwin: Homewood IL), 1995.

- McLean C.R, Bloom H.M, Hopp T.H. "The virtual manufacturing cell". *In Proc. Fourth IFAC/IFIP Conference on Information Control Problems in Manufacturing Technology*, 1982; Pp. 105–111.
- Mehrabi M.G, Ulsoy A.G, Koren Y. "Reconfigurable manufacturing systems: key to future manufacturing". *Journal of Intelligent Manufacturing*, 2000; Vol. 11, Pp. 403-419.
- Miller C.E, Tucker A.W, Zemlin R.A; "Integer programming formulations and the travelling salesman problem". *Journal of the Association for Computing Machinery*, 1960; Vol. 7, Pp. 326-329.
- Modares A, Somhom S, Enkawa T. "A self-organizing neural network approach for multiple traveling salesman and vehicle routing problems". *International Transactions in Operational Research*, 1999; Vol. 6, Pp. 591–606.
- Molina A, Rodríguez C.A, Ahuett H, Cortés J.A, Ramírez M, Jiménez G, Martínez S. "Next-generation manufacturing systems: key research issues in developing and integrating reconfigurable and intelligent machines". *International Journal of Computer Integrated Manufacturing*, 2005; Vol. 18, Pp. 225-236.
- Muñoz E, Rosado P, Gonzalez F. "Modelado de Información para la Caracterización de Utillaje en un Sistema de Planificación de Procesos Asistido por Computador". *Inf. tecnol.* [online], 2004; Vol. 15, No. 4, Pp. 9-14. ISSN 0718-0764.
- Nomden G, Slomp J, Suresh N.C. "Virtual manufacturing cells: A taxonomy of past research and identification of future research issues". *Int J Flex Manuf Syst*, 2006. Vol. 17, Pp. 71-92.
- Park Y.K. "A hybrid genetic algorithm for the vehicle scheduling problem with due times and time deadlines". *International Journal of Productions Economics*, 2001. Vol. 73 (2), Pp. 175-188.
- Pattanaik L.N, Jain P.K, Mehta N.K. "Cell formation in the presence of reconfigurable machines". *International Journal of Advanced Manufacturing Technology*, 2007; Vol. 34, Pp. 335-345.
- Pham D.T, Eldukhri E.E., Peat, B, Setchi, R, Soroka, A, Packianather, M.S., Thomas A.J, Dadam Y, Dimov, S. "Innovative Production Machines and Systems (I*PROMS): a network of excellence funded by EU sixth framework programme". *Proceedings 2nd IEEE International Conference on Industrial Informatics INDIN*, 2004; Pp. 540-544.
- Potvin J, Lapalme G, Rousseau J. "A generalized k-opt exchange procedure for the MTSP". *INFOR*, 1989; Vol. 27(4), Pp. 474–481.
- Racero J, Eguía I, Galán R, Canca D. "A Mathematical Model for Product Families Selection in Reconfigurable Manufacturing Systems".

Proceedings of 15th International Conference on Flexible Automation and Intelligent Manufacturing, 2005; Pp. 810-816.

- Racero J, Eguía I, Guerrero F. "Planificación de la producción mediante colonia de hormigas en entornos de fabricación reconfigurable". *CEDI*, 2007.
- Rheault M, Drolet J.R, Abdulnour. "Phisically Reconfigurable Virtual Cells: A dynamic model for a highly dynamic environment". *Computers ind. Engng., Elsevier Science Ltd. G.B.*, 1995; Vol. 29, No 1.4, Pp. 221-225.
- Rinnooy Kan A.H.G. "Complexity theory. Machine scheduling problems: classification, complexity and computations". *Martinus Nijhoff*, 1976; Pp. 45-50.
- Rosenkrantz D.J, Stearns R.E, Lewis II P.M. "An Analysis of several heuristics for the travelling salesman problem". *SIAM Journal on Computing*, 1977; Vol. 6; Pp. 563-581.
- Russell R.A. "An effective heuristic for the *m*-tour traveling salesman problem with some side conditions". *Operations Research*, 1977; Vol. 25(3), Pp. 517–24.
- Saleh HA, Chelouah R. "The design of the global navigation satellite system surveying networks using genetic algorithms". *Engineering Applications of Artificial Intelligence*, 2004; Vol. 17, Pp. 111–122.
- Smith P.G, Reinertsen D.G. "Developing Products in Half the Time: New Rules, New Tools". *Wiley*, 2nd ed., New York, 1997.
- Somhom S, Modares A, Enkawa T. "Competition-based neural network for the multiple traveling salesmen problem with minmax objective". *Computers and Operations Research*, 1999; Vol. 26(4), Pp. 395–407.
- Song C, Lee K, Lee W.D. "Extended simulated annealing for augmented TSP and multi-salesmen TSP". *Proceedings of the international joint conference on neural networks*, 2003; Vol. 3, Pp. 2340–2343.
- Suresh N.C, Kay J.M. "Group Technology & Cellular Manufacturing: Updated Perspectives; Group Technology and Cellular Manufacturing. State-of-the-Art Synthesis of Research and Practice". *Kluwer Academic Publishers*, 1998.
- Svensson C, Barfod A. "Limits and opportunities in mass customization for built to order SMEs". *Comput. Ind.*, 2002; Vol. 49; Pp. 77-89.
- Tang L, Liu J, Rong A, Yang Z. "A multiple traveling salesman problem model for hot rolling scheduling in Shangai Baoshan Iron & Steel Complex". *European Journal of Operational Research*, 2000; Vol. 124, Pp. 267–282.

- Tseng M.M, Du X. “Design by customers of mass customization products”. *CIRP Ann.*, 1998; Vol. 47(1), Pp. 103–106.
- Tu Q, Vonderembse A, Ragu-Nathan T.S, Ragu-Nathan B. “Measuring modularity-based manufacturing practices and their impact on mass customization capability. A customer perspective”. *Decision Sciences*, 2004, Vol. 35(2), Pp. 147-168.
- Vakhutinsky I.A, Golden L.B. “Solving vehicle routing problems using elastic net”. *Proceedings of the IEEE international conference on neural network*, 1994; Pp. 4535–4540.
- Wacholder E, Han J, Mann R.C. “A neural network algorithm for the multiple traveling salesmen problem”. *Biology in Cybernetics*, 1989; Vol. 61, Pp. 11–19.
- Westkämper E. “New Trends in Production. Reconfigurable Manufacturing Systems and Transformable Factories”. Dashchenko A. I., Ed. Springer, 2006; Pp. 15-26.
- Williams, T.J. “The Purdue enterprise reference architecture and methodology (PERA)”. *In Handbook of Life Cycle Engineering: Concepts, Tools and Techniques*, edited by A. Molina, J.M. Sanchez and A. Kusiak, Chapman & Hall, London, 1998.
- Wisner J.D, Sifer S.P. “A survey of US manufacturing practices in make-to-order machine shops”. *Production & Inventory Management Journal*, 1995; Vol. 36(1), Pp. 1–7.
- Xiaobo Z, Jiancai W, Zhenbi L. “A stochastic model of a reconfigurable manufacturing system, Part 1: A framework. 2000”. *International Journal of Production Research*, Vol. 38 (10), Pp. 2273-2285.
- Yigit, A.S, Allahverdi A. “Optimal selection of module instances for modular products in reconfigurable manufacturing systems”. 2003.
- Yu Z, Jinhai L, Guochang G, Rubo Z, Haiyan Y, “An implementation of evolutionary computation for path planning of cooperative mobile robots”. *Proceedings of the fourth world congress on intelligent control and automation*, 2002; Vol. 3, Pp. 1798–1802.
- Zhang T, GruverWA, Smith M.H. “Team scheduling by genetic search”. *Proceedings of the second international conference on intelligent processing and manufacturing of materials*, 1999; Vol. 2, Pp. 839–844.