

Bibliografía

- [1] Aksoy, HK; Gupta, SM; "Capacity and Buffer Trade-offs in a Remanufacturing System", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 167-174. 2002.
- [2] Alj, A; Fure, R; "Guide de la Recherche Operationelle", Vol. 2, pp. 206-208. 1990.
- [3] Alting, L; Jörgensen, J; "The life cycle concept as a basis for sustainable industrial production", Annals of the CIRP, Vol. 42(1), pp. 163-167. 1993.
- [4] Ammons, JC; Assavapokee, T; Newton, D; Realff, MJ; "Reverse production system design for recycling under uncertainty", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 1-12. 2002.
- [5] Arai, E; Iwata, K; "CAD system with product assembly/disassembly planning function", Robotics & Computer-Integrated Manufacturing, Vol. 10(1/2), pp. 41-48. 1993.
- [6] Arai, E; Uchiyama, N; Igoshi, M; "Disassembly path generation to verify the assemblability of mechanical products", JSME International Journal-Series C, Vol. 38(4), pp. 805-810. 1995.
- [7] Azzone, G; Noci, G; "Measuring the environmental performance of new products: an integrated approach", International Journal of Production Research, Vol. 34(11), pp. 3055-3078. 1996.
- [8] Barbier, EB; "The concept of sustainable economic development", Environment Conservation, Vol. 14(2), pp. 101-110. 1987.
- [9] Barraquand, J; Kavraki, L; "A random sampling scheme for path planning". International Journal of Robotics Research, pp.759-774. 1996.
- [10] Beasley, D; Martín, RR; "Disassembly sequences for object built from unit cubes", Computer Aided Design, Vol. 25(12), pp. 751-761. 1993.
- [11] Berg, M; "A marginal cost analysis for preventive replacement policies", European Journal of Operational Research, Vol. 4, pp. 136-142. 1980.

- [12] Billatos, SB; Nevrekar, VV; "Challenges and practical solutions to designing for the environment", ASME Design for Manufacturability Conference, Chicago, IL, pp. 49-64. 1994.
- [13] Biswas, G; Kawamura, K; Saad, A; Curtin, M; "Intelligent and environmentally conscious manufacturing systems state of the art", International Journal of Environmentally Conscious Design and Manufacturing, Vol. 4(2), pp. 1-10. 1995.
- [14] Bisztyga, B; "Robot Trajectory Tracking System Via Direct Torque Control", System Analysis - Modelling - Simulation, Vol. 33(4), pp. 385-406. 1999.
- [15] Bloemhof-Ruwaard, JM, Van Beek, P; Hordijk, L; Van Wassenhove, LN; "Interations between operational research and environmental management", European Journal of Operational Research, Vol. 85, pp. 229-243. 1995
- [16] Boothroyd, G; Alting, L; "Design for assembly and disassembly", Annals of the CIRP, Vol. 41(2), pp. 625-636. 1992.
- [17] Bras, B; "Incorporating environmental issues in product realization", Industrial and Environment, Vol. 20(1/2), pp. 7-13. 1997.
- [18] Bras, B; Emblemavag, J;"The use of activity-based costing, uncertainty and disassembly action charts in demanufacture cost assessments", Design Engineering Technical Conference, pp. 285-292. 1995
- [19] Bras, B; Hammond, R; "Design for remanufacturing metrics", Proceedings of the First International Working Seminar on Reuse, Eindhoven, The Netherlands, pp. 35-51. 1996.
- [20] Brennan, L; Gupta, SM; Taleb, KN; "Operations planning issues in an assembly/disassembly environment". International Journal of Operations and Production Management, Vol. 14(9), pp. 57-67. 1994.
- [21] Brooks, R.R.; Iyengar, S.S.; "Multi-Sensor Fusion: Fundamentals and Applications with Software", Prentice Hall. 1998.
- [22] Burke, DS; Belter, K; Ishii, K; "Life-cycle design for recyclability", 4th International Conference of Design Theory and Methodology, pp. 325-333. 1992.
- [23] Canny, J; "Collision Detection for Moving Polyhedra", Massachusetts Institute of Technology Artificial Intelligence Laboratory. A.I. Memo No 808. 1984.
- [24] Chazelle, B.; "An optimal algorithm for intersecting three-dimensional convex polyhedra". SIAM Journal of Computing, Vol. 21(4) pp. 671-696, 1992.
- [25] Chazelle, B.; "An Optimal Convex Hull Algorithm in Any Fixed Dimension". Discrete Computer Geometry, Vol. 10, pp. 377-409, 1993.
- [26] Chen, RW; Navin-Chandra, D; Nair, I; Prinz, F; Wadehra, IL; "ImSelection - an approach for material selection that integrates mechanical design and life cycle environment burdens", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 68-74. 1995.
- [27] Chen, RW; Navin-Chandra, D; Prinz, FB; "A cost-benefit analysis model of product design for recyclability and its application", IEEE Transactions on Components, Packaging and Manufacturing Technology-Part A, Vol. 17(4), pp. 502-507. 1994.

- [28] Chen, SF; Oliver, JH; Chou, S-Y; Chen, L-L; "Parallel disassembly by onion peeling". *Journal of Mechanical Design*, Vol. 119(2), pp. 267-274. 1997.
- [29] Chikte, SD; Deshmukh, SD; "Preventive maintenance and replacement under additive damage", *Naval Research Logistics Quarterly*, Vol. 28, pp. 33-46. 1991
- [30] Ching, S; Kirby, JR; Pitts, OD; "Plastic recycling in business machines: reuse and recovery assessment", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, Arlington, VA, pp. 189. 1993.
- [31] Cho, DI; Parlar, M; "A survey of maintenance models for multi-unit systems", *European Journal of Operational Research*, Vol. 51 pp. 1-23. 1991.
- [32] Ciocci, R; "Lead-free Solder Replacement: Beyond the Material Substitution", *Proceedings of SPIE: Environmentally Conscious Manufacturing II*, Vol. 4569, pp. 100-108. 2002.
- [33] Clegg, AJ; Williams, DJ; "The strategic and competitive implications of recycling and design for disassembly in the electronics industry", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, San Francisco, CA, pp. 6-12. 1994.
- [34] Clegg, AJ; Williams, DJ; Uzsoy, R; "Production planning for companies with remanufacturing capability", *Proceedings of the IEEE Symposium on Electronics and the Environment*, Orlando, FL, pp. 186-191. 1995.
- [35] Coulter, S; Bras, B; Foley, C; "A lexicon of green engineering terms", *International Conference on Engineering Design (ICED)*, Praha, pp. 1-7. 1995.
- [36] Coulter, SL; Bras, BA; "Reducing environmental impact through systematic product evolution", *International Journal of Environmentally Conscious Design and Manufacturing*, Vol. 6(2), pp. 1-10. 1997.
- [37] Das, SK; Yedlarajiah, P; Narendra, R; "An approach for estimating the end-of-life product disassembly effort", *International Journal of Production Research*, Vol. 38(3), pp. 657-673. 2000.
- [38] De Fazio, TL; Delchambre, A; De Lit, P; "Disassembly for recycling of office electronic equipment", *European Journal Mechanical and Environmental Engineering*, Vol. 42(1), pp. 25-31. 1997.
- [39] De Ron, A; Penev, K; "Disassembly and recycling of electronic consumer products: an overview", *Technovation*, Vol. 15(6), pp. 363-374. 1995.
- [40] De Souza, RB; Ab, K; Lee, SG; Lye, SW; "An integrated decision-support environment for DFX audit", *Journal of Electronics Manufacturing*, Vol. 6(3), pp. 163-171. 1996.
- [41] Del Castillo, E; Cochran, JK; "Optimal short horizon distribution operations in reusable containers", *Journal of the Operational Research Society*, Vol. 47, pp. 48-60. 1996.
- [42] Design Optimization using Pro/MECHANICA. Disponible: <http://www.hecbv.nl>
- [43] Di Marco, P; Eubanks, CF, Ishii, K; "Compatibility analysis of products design for recycleability and reuse", *Computers in Engineering*, 1, New York: The American Society of Mechanical Engineers, pp.105-109. 1994.

- [44] Díaz Velázquez, M; "Diccionario básico de matemáticas", Ediciones Anaya S.A. - 1980.
- [45] Dillon, PS; "Mandated electronic equipment recycling in Europe: Implications for companies and US public policy", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp.15-20. 1994.
- [46] Donald, BR; "Motion Planning with Six Degrees of Freedom". MIT AI TR-791. 1984.
- [47] Dowie, T; "Green design", World Class Design to Manufacture, Vol. 1(4), pp. 32-38. 1994.
- [48] Dutta, D; Woo, TC; "Algorithm for multiple disassembly and parallel assemblies". Journal of Engineering for Industry, Vol. 117, pp. 102-109. 1995.
- [49] Emblemsvåg, J; Bras, BA; "A method for life-cycle costing using activity-based costing and uncertainty", International Journal of Engineering Design and Automation 1997.
- [50] Everett, JW; Applegate, D; "Solid waste transfer station design", Journal of Environmental Engineering, Vol. 121(1), pp. 96-106. 1996.
- [51] Faneye, O; Anderl, R; "Optimizing Product Life Cycle Processes in Design Phase", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 138-148. 2002.
- [52] Faverjon, B; Tournassoud, P; "A local based approach for path planning of manipulators with a high number of degrees of freedom". IEEE International Conference on Robotics and Automation, USA. 1987.
- [53] Feldmann, K; Scheller, H; "Disassembly of electronic products", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 81-86. 1994.
- [54] Ferrer, G; "The economics of personal computer remanufacturing", Resources, Conservation and Recycling, Vol. 21(2), pp. 79-108. 1997.
- [55] Ferrer, G; "The economics of tire remanufacturing", Resources, Conservation and Recycling, Vol. 19(4), pp. 221-255. 1997.
- [56] Fiksel, J; "Design for environment: creating eco-efficient products and process", McGraw-Hill, 1996.
- [57] Fiksel, J; Wapman, K; "How to design for environment and minimize life cycle cost", IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 75-80. 1994.
- [58] Fiksel, J; Cook, K; Roberst, S; Tsuda, D; "Design for environment at Apple Computer: A case study of the new PowerMacintosh 7200", Proceedings of the IEEE International Symposium on Electronics and the Environment, Dallas, TX, pp. 218-223. 1996.
- [59] Flapper SDP; "Logistic aspects of reuse: an overview", Proceedings of the First International Working Seminar on Reuse, Eindhoven, The Netherlands, pp. 109-118. 1996.
- [60] Fleischmann, M; Boemhof-Ruwaard, JM; Dekker, R; Van der Lann, E; Van Nunen JAEE; Van Wassenhove, LN; "Quantitative models for reverse logistics: a review", European Journal of Operational Research, Vol. 103, pp. 1-17. 1997.
- [61] Gadh, R.; Hjalmarsson, H.; Prinz, F.B.; "On the recognition and classification of shape features using MANU-Facture", Issues in Design/Manufacture Integration, ASME, New York, DE-Vol. 39, pp. 53-58. 1992.

- [62] García, M. A.; Larré, A.; López, B.; Oller, A.; "Reducing the Complexity of Geometric Selective Disassembly", IEEE/RSJ Int. Conf. on Intelligent Robots and Systems, Takamatsu, Japan, Vol. 2, pp. 1474-1479, 2000.
- [63] Gatenby, DA; Foo, G; "Design for X(DFX): key to competitive, profitable products", AT&T Technical Journal 1990; 68(3):2-15.
- [64] Geider, D; Zussman, E; Lenz, E; "Probabilistic reactive disassembly planning". Annals of the CIRP, Vol. 45, pp. 49-52. 1996.
- [65] Geiger, D; Zussman, E; "Probabilistic reactive disassembly planning", Annals of the CIRP – Manufacturing Technology, Vol. 45(1), pp. 49-52. 1996.
- [66] Ginter, PM; Starling, JM; "Reverse distribution channels for recycling", California Management Review, Vol. 20(3), pp. 73-82. 1978.
- [67] Glantschnig, WJ; "Green design: a review of issues and challenges", Proceedings of the IEEE International Symposium on Electronics and the Environment, Arlington, VA, pp. 74-77. 1993.
- [68] Glantschnig, WJ; "Green design: an introduction to issues and challenges", IEEE Transactions on Components, Packaging and Manufacturing Technology-Part A, Vol. 17(4), pp. 508-513. 1994.
- [69] Glazebrook, B; Coulon, R; Abrassart, C; "Towards a product life cycle design tool", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 81-85. 2000.
- [70] Goh, TN; Varaprasad, N; "A statistical methodology for the analysis of the life-cycle of reusable containers", IIE Transactions, Vol. 18, pp. 42-47. 1986.
- [71] González, B; Andenso-Díaz, B; Muñoz,L; Life cycle assessment in SMES: a fuzzy approach", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 149-157. 2002.
- [72] Graedel, TE, Allenby, BR; Combire, PR; "Matrix approaches to abridged life cycle assessment", Environmental Science & Technology, Vol. 29(3), pp. 134-139. 1995.
- [73] Graedel, TE; "Prioritizing impacts: the second stage of life cycle assessment", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 89-93. 1994.
- [74] Graedel, TE; Allenby, BR; "Design for environment", Englewood Cliffs, NJ: Prentice-Hall, 1996.
- [75] Graedel, TE; Allenby, BR; "Industrial ecology", Englewood Cliffs, NJ: Prentice-Hall, 1995.
- [76] Grenchus, E; Keene, R; Nobs, C; "Demanufacturing of information technology equipment", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 157-160. 1997.
- [77] Guide Jr, VDR; "Kraus, MA; Srivastava, R; "Scheduling policies for remanufacturing", International Journal of Production Economics, Vol. 48, pp. 187-204. 1997.
- [78] Guide Jr, VDR; "Scheduling using drum-buffer-rope in a remanufacturing environment", International Journal of Production Research, Vol. 34(4), pp. 1081-1091. 1996.
- [79] Guide Jr, VDR; "Scheduling with priority dispatching rules and rum-buffer-rope in a recoverable manufacturing system", International Journal of Productions Economics, Vol. 53, pp. 101-116. 1997.

- [80] Guide Jr, VDR; Spencer, MS; "Rough-cut capacity planning for remanufacturing firms", *Production Planning & Control*, Vol. 8(3), pp. 237-244. 1997.
- [81] Guide Jr, VDR; Srivastava, R; "An evaluation of order release strategies in a remanufacturing environment", *Computers and Operations Research*, Vol. 24(1), pp. 37-47. 1997.
- [82] Guide Jr, VDR; Srivastava, R; "Buffering from material recovery uncertainty in a recoverable manufacturing environment", *Journal of the Operational Research Society*, Vol. 48, pp. 519-529. 1997.
- [83] Guide Jr, VDR; Srivastava, R; "Repairable inventory theory: models and applications", *European Journal of Operational Research*, Vol. 102, pp. 1-20. 1997.
- [84] Guide Jr, VDR; Srivastava, R; Kraus, MA; "Product structure complexity and scheduling of operations in recoverable manufacturing", *International Journal of Production Research*, Vol. 25(11), pp. 3179-3199. 1997.
- [85] Guide Jr, VDR; Srivastava, R; Kraus, ME; "Proactive expediting policies for recoverable manufacturing", *Journal of the Operational Research Society*, Vol. 48, pp. 1-13. 1997.
- [86] Guide Jr, VDR; Srivastava, R; Spencer, MS; "An evaluation of capacity planning techniques in a remanufacturing environment", *International Journal of Production Research*, Vol. 35(1), pp. 67-82. 1997.
- [87] Guiltinan, JP; Nwokoye, NG; "Developing distribution channels and systems in the emerging recycling industries", *International Journal of Physical Distribution*, Vol. 48, pp. 1-13. 1975.
- [88] Gungor, A, Gupta, SM; "An evaluation methodology for disassembly processes". *Computers and Industrial Engineering*, Vol. 33 (1-2), pp. 329-332. 1997.
- [89] Gungor, A; Gupta, SM; "Disassembly sequence plan generation using a branch-and-bound algorithm", *International Journal of Production Research*, Vol. 39(3), pp. 481-509. 2001.
- [90] Gungor, A; Gupta, SM; "Disassembly sequence planning for complete disassembly in product recovery". *Proceedings of Northeast Decision Sciences Institute -27th Annual Meeting*, Boston, Massachusetts, March 25-27, pp. 250-252. 1998.
- [91] Gungor, A; Gupta, SM; "Disassembly sequence planning for products with defective parts in product recovery", *Computers and Industrial Engineering*, Vol. 35(1-2), pp. 161-164. 1998.
- [92] Gungor, A; Gupta, SM; "Issues in environmentally conscious manufacturing and product recovery: a survey". *Computers & Industrial Engineering*, Vol. 36, pp. 811-853. 1999.
- [93] Gupta, SM; McLean, CR; "Disassembly of products", *Computers and Industrial Engineering*, Vol. 31, pp. 255-258. 1996.
- [94] Gupta, SM; Taleb, KN; "Scheduling disassembly", *International Journal of Production Research*, Vol. 32(8), pp. 1857-1866. 1994.
- [95] Gupta, SM; Veerakamolmal, P; "Profitability measure for product disassembly and recycling". *Proceedings of Production and Operations Management Society*, Cape Town, South Africa, pp. 139-147. 1998.

- [96] Hattori, M; Nomura, N; Sommer, D; Inoue, H; "Fundamentals of environmentally conscious product design", *International Journal of Environmentally Conscious Design & Manufacturing*, Vol. 4(1), pp. 3-11. 1995.
- [97] Hearn, D; Baker, MP; "Computer Graphics". Prentice Hall. Second Edition. 1994.
- [98] Hedberg, SR; "Design of a lifetime", *Byte*, pp. 103-106. 1994.
- [99] Hedge, GG; "Life cycle cost: a model and applications", *IIE Transactions*, Vol. 26(6), pp. 56-62. 1994.
- [100] Hendrix, J; Massey, KA; Whitham, E; Russel, M; Bras, BA; "Technologies for the identification, separation and recycling of automotive recycling", *International Journal of Environmentally Conscious Design and Manufacturing*, Vol. 6(2), pp. 37-50. 1997.
- [101] Henshaw, JW; "Design for recycling: new paradigm or just the latest 'design-for-X' fad?", *International Journal of Materials and Product Technology*, Vol. 9, pp. 125-138. 1994.
- [102] Hentschel, C; Seliger, G; Zussman, E; "Grouping of used products for cellular recycling system", *Annals of the CIRP*, Vol. 44(1), pp. 11-14. 1995.
- [103] Hesselbach, J; Kühn, M; "Disassembly assessment and planning for electronic consumer appliances", *Proceedings of the First International Working Seminar on Reuse*, Eindhoven, The Netherlands, pp. 136-169. 1996.
- [104] Hesselbach, J; Kühn, M; "Disassembly evaluation of electronics & electrical products", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, Oak Brook, IL, pp. 79-81. 1998.
- [105] Holloway, L; Clegg, D; Tranter, I; Cockerham, G; "Incorporating environmental principles into the design process", *Materials & Design*, Vol. 15(5), pp. 259-267. 1994.
- [106] Holt, HR; "A first step in electronic ecodesign", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, San Francisco, CA, pp. 191-195. 1994.
- [107] Homem de Mello, LS; Sanderson, A.C; "AND/OR Graph Representation of Assembly Plans", *IEEE Transaction On Robotics And Automation*, Vol. 6(2). 1990.
- [108] Hormozi, AM; "Parts remanufacturing in the automotive industry", *Production and Inventory Management Journal*, Vol. 38(1), pp. 26-31. 1997.
- [109] Hoshino, T; Yura, K; Hitomi, K; "Optimization analysis for recycle-oriented manufacturing systems", *International Journal of Production Research*, Vol. 33(8), pp. 2069-2078. 1995
- [110] Huang, HH; Wang, MH; "Optimal disassembly sequence generation using Neural Network". *Proceedings of the Fourth International Conference on Environmentally Conscious Design and Manufacturing*, Cleveland, OH, pp. 231-238. 1996.
- [111] Hundal, MS; "DFE: current status and challenges for the future", *ASME Design for Manufacturability Conference*, Chicago, IL, pp. 89-98. 1994.
- [112] Hwang, Y; Cho, K; Lee, S; Park, S; Kang, S; "Human computer cooperation in interactive motion planning". *ICAR'97*, Monterey, California, USA. 1997.

- [113] Inderfurth, K; "Simple optimal replenishment and disposal policies for a product recovery system with leadtimes", *OR Spektrum*, Vol. 19, pp. 111-122. 1997.
- [114] Isaacs, JA; Gupta, SM; "Economic consequences of increasing polymer content on the Usautomobile recycling infrastructure", *Journal of Industrial Ecology*, Vol. 1(4), pp. 19-34. 1997.
- [115] Isaacs, JA; Gupta, SM; "Effect of vehicle lightweighting on the profitability of the automobile recycling infrastructure", *Proceedings of the Julian Szekely Memorial Symposium of Materials Processing*, Cambridge, MA, pp. 669-685. 1997.
- [116] Isaacs, JA; Gupta, SM; Messac, A; "A decision tool to assess the impact of automobile design on disposal strategies", *Proceedings of the Environmentally Conscious Manufacturing and Design Conference*, Cleveland, OH, pp. 207-214. 1996.
- [117] Ishii, K; "Life-cycle engineering design", *Journal of Mechanical Design*, Vol. 117B, pp. 42-47 1995.
- [118] Ishii, K; Adler, R; Barkan, P; "Applications of design compatibility analysis to simultaneous engineering", *Journal of Artificial Intelligence for Engineering Design, Analysis and Manufacturing*, Vol. 2(1), pp. 53-65. 1998.
- [119] Ishii, K; Eubanks, CF; "Life cycle evaluation of mechanical systems", *Proceedings of the NSF Design and Manufacturing Systems Conference*, pp. 575-579. 1993.
- [120] Ishii, K; Lee, BH; Eubanks, CF; "Design for product retirement and modularity based on technology life-cycle", *Manufacturing Science and Engineering*, pp. 921-933. 1995.
- [121] Ishii, K; Eubanks, CF; Di Marco, P; "Design for product retirement and material life cycle", *Materials & Design*, Vol. 15(4), pp. 225-233. 1994.
- [122] Istvan, Z; Garamvolgyi, E; "Reverse logistics and management of end-of-life electric products", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, pp. 15-19. 2000.
- [123] Johnson, MR, Wang, MH; "Planning product disassembly for material recovery opportunities", *International Journal of Production Research*, Vol. 33(11), pp. 3119-3142. 1995.
- [124] Jovane, F; Alting, L; Armoillotta, A; Eversheim, W; Feldmann, K; Seliger, G; Roth, N; "A key issue in product life cycle: disassembly". *Annals of the CIRP*, Vol. 42(2), pp. 651-658. 1993.
- [125] Kang, HY; Lee, C; Jung, JW; "Ecodesign application to electronic products using the new software tool", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, pp. 161-165. 2000.
- [126] Kavraki, L; Svestka, P; "Probabilistic roadmaps for path planning in high-dimensional configuration spaces". *IEEE, Transactions on Robotics and Automation*. 1996.
- [127] Keldmann, R; Olsen, J; "Managing the environmental issue in product development: the environmentally oriented milestone questions and techniques", *ASME Design for Manufacturability Conference*, Chicago, IL, pp. 99-106. 1994.
- [128] Kelle, P; Silver, EA; "Forecasting the returns of reusable containers", *Journal of Operations Management* Vol. 8(1), pp. 17-35. 1989.

- [129] Kelle, P; Silver, EA; "Purchasing policy of new containers considering the random returns of previously issued containers", IIE Transactions, Vol. 21(4), pp. 349-354. 1989.
- [130] Keoleian, GA; Menerey, D; "Sustainable development by design: review of life cycle design and related approaches", Air & Waste: Journal of Air & Waste Management Association, Vol. 44(5), pp. 645-668. 1994.
- [131] Kizilkaya, EA; Gupta, SM; "Material flow control and scheduling in a disassembly environment", Computers and Industrial Engineering, Vol. 35(1-2), pp. 93-96. 1998.
- [132] Kleban, SD; Luger, GF; Watkin, RD; "Expert system support for environmental assessment of manufacturing products and facilities", Journal of Intelligent Manufacturing, Vol. 7, pp. 39-53. 1996.
- [133] Kongar, E; Gupta, SM; "A Genetic Algorithm for Disassembly Process Planning", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 54-62. 2002.
- [134] Kooi, E; Krikke, H; Schuur, P; "Physical design of a reverse logistic network: a multi-echelon model", Proceedings of the First International Working Seminar on Reuse, Eindhoven, The Netherlands, pp. 205-212. 1996.
- [135] Kopacek, B; Kopacek, P; "A semi-automated disassembly cell for printed circuit boards", Proceedings of the 2nd IFAC Workshop on Intelligent Assembly and Disassembly IAD'2001, Caneda, Brasil. 2001.
- [136] Kopacek, P; Kronreif, G; "Semi-automated robotized disassembling of personal computers", IEEE Conference on Emerging Technologies and Factory Automation, Kauai, Hawaii, pp. 567-572. 1996.
- [137] Kopacek, P; Noe, D; "Intelligent, flexible assembly and disassembly", Proceedings of the 2nd IFAC Workshop on Intelligent Assembly and Disassembly IAD'2001, Caneda, Brasil. 2001.
- [138] Kopicky, RJ; Berg, MJ; Legg, L; Dasappa, V; Maggioni, C; "Reuse and recycling: reverse logistics opportunities", Oak Brook, IL: Council of Logistics Management. 1993.
- [139] Korpalski, T; "The role of the product steward in advancing design for environmental in Hewlett-Packard's computer product organization", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 37-41. 1996.
- [140] Korugan, A; Gupta, SM; "A multi-echelon inventory system with returns", Computers and Industrial Engineering Vol. 35(1-2), pp. 145-148. 1998,
- [141] Korugan, A; Gupta, SM;" An Adaptative Kanban Control Mechanism for a Single Stage Hybrid System", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 175-181. 2002.
- [142] Kouikoglou, VS; "Optimal rate allocation in unreliable, assembly/disassembly production networks with blocking", IEEE Transactions on Robotics and Automation, Vol. 16(4), pp. 429-434. 2000.
- [143] Krikke, HR; Van Harten, A; Schuur, PC; "On a medium term product recovery and disposal strategy for durable assembly products", International Journal of Production Research, Vol. 36(1), pp. 111-139. 1998.

- [144] Kriwe, A; Zussman, E; Seliger, G; "Systematic integration of design for recycling into product design", *International Journal of Production Economics*, Vol. 28, pp. 15-22. 1995.
- [145] Kroll, E; Beardsley, B; Parulian, A; "A methodology to evaluate ease of disassembly for product recycling", *IIE Transactions*, Vol. 28(10), pp. 837-845. 1996.
- [146] Kroon, L; Vrijens, G; "Returnable containers: an example of reverse logistics", *International Journal of Physical Distribution & Logistics Management*, Vol. 25(2), pp. 56-68. 1995.
- [147] Krupp, J; "Structuring bills of material for automobile remanufacturing", *Production and Inventory Management Journal*, Vol. 34, pp. 46-52. 1993.
- [148] Kuo, TC; "Disassembly sequence and cost analysis for electromechanical products", *Robotics and Computer Integrated Manufacturing*, Vol. 16, pp. 43-54. 2000.
- [149] Kuo, TC; Zhang, HC; "Life cycle engineering: Design for recyclability", *Proceedings of the 1st World Conference on Integrated Design and Process Technology*, pp. 1-7. 1995.
- [150] Kuo, TC; Zhang, HC; Huang, SH; "Disassembly analysis for electromechanical products: a graph-based heuristic approach" *International Journal of Production Research*, Vol. 38(5), pp. 993-1007. 2000.
- [151] Kuuva, M; Airila, M; "Conceptual approach on design for practical product recycling", *ASME Design for Manufacturability Conference*, Chicago, IL, pp. 115-123. 1994.
- [152] Lambert, AJD; "Optimal disassembly of complex products". *International Journal of Production Research*, Vol. 35(9), pp. 2509-2523. 1997.
- [153] Lambert, AJD; Splinter, MAM; "Reuse of sophisticated product carriers", *Proceedings of the First International Working Seminar on Reuse*, Eindhoven, The Netherlands, pp. 213-222. 1996.
- [154] Laperiere, L; ElMaraghy, HA; "Planning of products assembly and disassembly", *Annals of the CIRP*, Vol. 41(1), pp. 5-9. 1992.
- [155] Laperriere, L; ElMaraghy, H; "GAPP: A generative assembly process planner". *Journal of Manufacturing Systems*, Vol. 15(4), pp. 282-293. 1996.
- [156] Latombe, JC; Wilson, R; "Assembly sequencing with toleranced parts". *Conference International Solid modelling 95*, Salt lake city, Utah USA, pp. 83-95. 1995.
- [157] Lave, LB; Hendrickson, CT; McMichael, FC; "Recycling decisions and green design", *Environmental Science & Technology*, Vol. 28(1), pp. 19A-24A. 1994.
- [158] Lee, D-H; Kang, J-G; Xirouchakis, P; "Disassembly planning and scheduling: review and further research". *Proceedings of Institution in Mechanical Engineers*, Vol. 215 Part B, pp. 695-709. 2001.
- [159] Lee, JJ; O'Callaghan, P; Allen, D; "Critical review of life cycle analysis and assessment techniques and thir application to commercial activities", *Conservation and Recycling*, Vol. 13, pp. 37-56. 1995.

- [160] Lee, K; Gadh, R; "Computer aided design-for-disassembly: a destructive approach". Joint Symposium on Concurrent Product and Process Engineering at International Mechanical Engineering Congress and Exposition '95, San Francisco, CA, pp. 1-13. 1995.
- [161] Lee, K; Gadh, R; "Destructive disassembly to support virtual prototyping". IEE Transactions, Vol. 30, pp. 959-970. 1998
- [162] Lee, KM; Van Kuren, MB; "Modeling and Supervisory Control of a Disassembly Automation Workcell Based on Blocking Topology". IEEE Transactions on Robotics and Automation, Vol. 16(1), pp. 67-67. 2000.
- [163] Lee, S; Yi, C; "Forced-Based reasoning in assembly planning", Vision Sensors and Control for Automated Manufacturing Systems, SPIE Vol. 2063, pp. 97-108. 1994.
- [164] Lee, YD; Lee, BH; "Genetic Trajectory Planner for a Manipulator with Acceleration Parametrization", Journal for Universal Computer Science, Vol. 3(9), pp. 1056-1073. 1997.
- [165] Lee, Y-Q; Kamara, SRT; "Individual and group disassembly sequence generation through freedom and interference spaces". Journal of Design and Manufacturing, Vol. 2, pp. 143-154. 1992.
- [166] Legarth, JB; Alting, L; Baldo, GL; "Sustainability issues in circuit board recycling", Proceedings of the IEEE International Symposium on Electronics and the Environment, Orlando, FL, pp. 126-131. 1995.
- [167] Leng, DY; Chen, M; "Robot trajectory planning using simulation", Robotics and Computer Integrated Manufacturing, Vol 13(2), pp. 121-130. 1997
- [168] Lenox, M; Jordan, B; Ehrenfeld, J; "The diffusion of design for environment: A survey of current practice", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 25-30. 1996.
- [169] Leonar, L; "Design for environment", Plastics Design Forum, pp. 25-32. 1991.
- [170] Li, W; Zhang, HP, Wang, B; Awoniyi, SA; "Design for disassembly analysis for environmentally conscious design and manufacturing", Manufacturing Science and Engineering, pp. 969-976. 1995.
- [171] Liu, HHT; Mills, JK; "Robot Trajectory Control System Design for Multiple Simultaneous Specifications: Theory and Experimentation", Journal of Dynamic Systems Measurement and Control, Vol. 120(4), pp. 520-523. 1998.
- [172] Livingstone, S; Sparks, L; "The new German packaging laws: effects on firms exporting to Germany", International Journal of Physical Distribution & Logistics Management, Vol. 24(7), pp. 15-25. 1994.
- [173] Lozano-Pérez, T; "A simple motion-planning : a configuration space approach". IEEE Robotics and Automation. 1987.
- [174] Lozano-Pérez, T; "Spatial Planning: A configuration Space approach", IEEE Transactions in Computers, Vol. 32(2), pp. 108-120. 1983.
- [175] Lund, RT; "Remanufacturing", Technology Review, Vol. 87(2), pp. 19-29. 1984.
- [176] Mabini, MC; Pintelon, LM; Gelders, LF; "EOQ type formulations for controlling repairable inventories", International Journal of Production Economics, Vol. 28, pp. 21-33. 1992.
- [177] Madu, C; "A framework for environmental quality assessment". International Journal of Quality Science, Vol. 1(3), pp. 24-28. 1996.

- [178] Madu, C; Kuei, C-H; Winokur, D; "Environmental quality planning: a strategic total quality management approach". *Futures*, Vol. 27(8), pp. 839-856. 1995.
- [179] Man, E; Díez-Campo, JE, Roche, T; "DFE Workbench: a CAD integrated DFE tool", *Proceedings of SPIE: Environmentally Conscious Manufacturing II*, Vol. 4569, pp. 93-99. 2002.
- [180] Martinez, M; Pham, V-H; Favrel, J; "Dynamic Generation of Disassembly Sequences", *IEEE International Conference On Emerging Technologies and Factory Automation, ETFA'97*, pp. 177-182, 1997.
- [181] Mascle, C; "Approche méthodologique de détermination de gammes par le désassemblage". *Tesis, Ecole polytechnique fédérale de Lausanne, Suisse*, 1990.
- [182] Mattikali, RS; Khosla, PK; "Analysis of restraints to translational and rotational motion from the geometry of contact". *Proceedings ASME winter annual meeting, Issues in Design Manufacture/Integration*, Atlanta, DE-Vol. 39. 1991.
- [183] McCue, G; "Life-cycle engineering", *Management Service*, pp. 20-23. 1993.
- [184] Miettinen, P; Hämäläinen, RP; "How to benefit from decision analysis in environmental life cycle assessment (LCA)", *European Journal of Operational Research*, Vol. 102(2), pp. 279-294. 1997.
- [185] Minami, S; Pahng, KF; Jakiela, MJ; Srivastava, A; "A cellular automata representation for assembly simulation and sequence generation", *Proceedings of the IEEE International Symposium on Assembly and Task Planning*, Pittsburgh, Pennsylvania, pp. 56-65. 1995.
- [186] Mizuki, C; Sandborn, PA; Pitts, G; "Design for environment – A survey of current practices and tools", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, Dallas, TX, pp. 1-6. 1996.
- [187] Mok, SM; Wu, CH; Lee, DT; "A system for analysing automatic assembly and disassembly operations", *Proceedings of the IEEE International Conference on Robotics and Automation*, Vol. 4, pp. 3695-3700. 2000.
- [188] Moore, KE, Gungor, A; Gupta, SM; "Disassembly process planning using Petri nets". *Proceedings of the IEEE International Symposium on Electronics and the Environment*, Oak Brook, IL, pp. 88-93. 1998.
- [189] Moore, KE; Gungor, A; Gupta, SM; "A Petri net approach to disassembly process planning". *Computers and Industrial Engineering*, Vol. 35(1-2), pp. 165-168. 1998.
- [190] Moore, KE; Gungor, A; Gupta, SM; "Disassembly Petri net generation in the presence of XOR precedence relationships". *Proceedings of the IEEE International Conference on Systems, Man and Cybernetics*, San Diego, CA, pp. 11-14. 1998.
- [191] Moyer, LK; Gupta, SM; "Environmental concerns and recycling/disassembly efforts in the electronics industry". *Journal of Electronics Manufacturing*, Vol. 7(1), pp. 1-22. 1997.
- [192] Nasr, N; Hughson, C; Varel, E; Bauer, R; "State-of-the-art assessment of remanufacturing technology", *Rochester, NY: Rochester Institute of Technology*, 1998.

- [193] Navin-Chandra, D; "Design for environmentability", ASME Design Technical Conferences – 3rd International Conference on Design Theory and Methodology, Miami, FL, pp. 119-125. 1991.
- [194] Navin-Chandra, D; "ReStar: a design tool for environmental recovery analysis". Proceedings of ICED'93: 9th International Conference on Engineering Design, The Hague, pp. 780-787. 1993.
- [195] Navin-Chandra, D; "The recovery problem in product design". Journal of Engineering Design, Vol. 5(1), pp. 65-86. 1994.
- [196] Nearchou, AC; Aspragathos, NA; "Collision-Free Trajectory Generation Using Raster Scanning and Genetic Algorithms", Journal of Intelligent and Robotic Systems, Vol. 23(2), PP. 351-377. 1998.
- [197] Noble, JS; Lim, HH; "An Evaluation of Facility Layout Alternatives for a Remanufacturing Environment", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 158-166. 2002.
- [198] Nof, SY; Chen, J; "Assembly and disassembly: A framework for cooperation requirement planning", Proceedings of the 2nd IFAC Workshop on Intelligent Assembly and Disassembly IAD'2001, Caneda, Brasil. 2001.
- [199] O'Shea, B; Grewal, SS; Kaebernick, H.; "State of the Art Literature Survey on Disassembly Planning", Concurrent Engineering: Research and Applications, Vol. 6(4), pp. 345-357. 1998.
- [200] O'Shea, B; Kaebernick, H; Grewal, SS; Perlewitz, H; Müller, K; Seliger, G; "Method for automatic tool selection for disassembly planning", Assembly Automation, Vol. 19(1), pp. 47-54. 1999.
- [201] Overby, C; "Design for the entire life cycle: a new paradigm?", Proceedings of the ASEE Annual Conference, pp. 552-563. 1990.
- [202] Pan, L; Zeid, I; "A knowledge base for indexing and retrieving disassembly plans", Journal of Intelligent Manufacturing, Vol. 12, pp. 77-94. 2001.
- [203] Panisset, BD; "MRP II for repair/refurbish industries", Production and Inventory Management Journal, Vol. 29(4), pp. 12-15. 1988.
- [204] Pechoucek, M; Marik, V; Stepankova, O; "PROPLANT – Concept of agency in production planning", Proceedings of the 2nd IFAC Workshop on Intelligent Assembly and Disassembly IAD'2001, Caneda, Brasil. 2001.
- [205] Penev, KD; Ron, AJD; "Determination of a disassembly strategy". International Journal of Production Research, Vol. 34(2), pp. 495-506. 1996.
- [206] Perlewitz, H; Müller, K; Seliger, G.; "Usage mode and effects analysis to support disassembly process planning", IFAC Intelligent Assembly and Disassembly, Bled, Slovenia, pp. 11-16, 1998
- [207] Pieper, D.; Roth, B.; "The kinematics of manipulators under computer control". Proc. of the Second International Congress on Theory of Machines and Mechanisms, Zakopane, Polonia, Vol. 2, pp. 159-169. 1969.
- [208] Pierskalla, WP; Voelker, JA; "A survey of maintenance models: the control and surveillance of deteriorating system", Naval Research Logistics Quarterly, Vol. 23, pp. 353-388. 1976.
- [209] Pitts, G; Mizuki, C; "A view of electronic products disposition", Proceedings of the IEEE International Symposium on Electronics and the Environment, Dallas, TX, pp. 66-72. 1996.

- [210] Pnueli, Y; Zussman, E; "Evaluating the end-of-life value of a product and improving it by redesign", *International Journal of Production Research*, Vol. 35(4), pp. 921-942. 1997.
- [211] Pomares, J; Torres, F; Puente, ST; "Disassembly movements for geometrical objects through heuristic methods", *Proceedings of SPIE: Environmentally Conscious Manufacturing II*, Vol. 4569, pp. 71-80. 2002.
- [212] Propuesta de directiva del parlamento europeo y del consejo sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos. Disponible: http://europa.eu.int/prelex/detail_dossier_real.cfm?CL=es&DosId=158021
- [213] Puente, ST; Torres, F; Gil, P; "An approach to disassembly sequence generation", *Proceedings of the 2nd IFAC Workshop on Intelligent Assembly and Disassembly IAD'2001*, Caneda, Brasil. 2001.
- [214] Puente-Méndez, ST; Torres-Medina, F; Pomares-Baeza, J; "Product disassembly scheduling using graph models", *Proceedings of SPIE: Environmentally Conscious Manufacturing II*, Vol. 4569, pp. 63-70. 2002.
- [215] Rank, PG; Das, S; Caudili, RJ; "A Web-oriented, virtual product disassembly and identification method for DFE and electronic demanufacturers", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, pp. 172-177. 2000.
- [216] Reid, MB; "Path Planning Using Optically Computed Potential Fields", *Proceedings of the IEEE International Conference on Robotics and Automation*, Atlanta, NC, Vol. 2, pp. 295-300. 1993.
- [217] Reimer, B; Shodhi, MS; Knight, WA; "Optimizing electronics end-of-life disposal cost", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, pp. 342-347. 2000.
- [218] Rejnri, N; "Détermination et simulation des opérations d'assemblage lors de la conception de systèmes mécaniques". Tesis para obtener el grado de DOCTEUR DE L'INPG. Institut national Polytechnique de Grenoble.
- [219] Rembert, TC; "Package deal: The European war on waste", *The Environmental Magazine*, Vol. 8(3), pp. 38. 1997.
- [220] Reyes, W; Moore, M; Bartholomew, CRM; Currence, R; Siegel, R; "Reliability assessment of used parts: An enabler for asset recovery", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, Orlando, FL, pp. 89-94. 1995.
- [221] Rhodes, SP; "Applications of life cycle assessment in the electronics industry for product design and marketing claims", *Proceedings of the IEEE International Symposium on Electronics and the Environment*, Arlington, VA, pp. 101-105. 1993.
- [222] Richter, K; "The EOQ repair and waste disposal model with variable setup numbers", *European Journal of Operational Research*, Vol. 95(2), pp. 313-324. 1996.
- [223] Richter, K; "The extended EOQ repair and waste disposal model", *International Journal of Production Economics*, Vol. 45(1-3), pp. 443-448. 1996.

- [224] Ridder, C; Scheidt, LG; "Practical experiences in the Sony disassembly evaluation workshop", Proceedings of the IEEE International Symposium on Electronics and the Environment, Oak, Brook, IL, pp. 94-99. 1998.
- [225] Romney, B; Godard, C; "An efficient system for geometric assembly sequence generation and evaluation". Proceedings 1995 ASME. International Computers in Engineering Conference, pp. 699-712. 1995.
- [226] Rose, CM; Stevels, A; Ishii, K; "A new approach to end-of-life design advisor (ELDA)", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 99-104. 2000.
- [227] Rose, EP; Evans, S; "A robust design for recyclability methodology", Proceedings of CIM-Europe Annual Conference, pp. 201-211. 1993.
- [228] Rosen, DW; Bras, BA; Hassenzahl, SL; Newcomb, PJ, Yu, T; "Computer-aided design for the life cycle", Journal of Intelligent Manufacturing, Vol. 7, pp. 145-160. 1996.
- [229] Rosen, DW; Bras, BA; Mistree, F; Goel, A; "A virtual design studio approach to virtual product demanufacture and service", ASME Computers in Engineering Conference, Boston, MA, pp. 951-958. 1995.
- [230] Ryberg, BA; "Design for environmental quality: Reap the benefits of closing the design loop", Proceedings of the IEEE International Symposium on Electronics and the Environment, Arlington, VA, pp. 37-42. 1993.
- [231] Sandborn, PA; McFall, G; "Performing design for environment concurrent with interdisciplinary tradeoff analysis of electronic systems", Proceedings of the IEEE International Symposium on Electronics and the Environment, Dallas, TX, pp. 167-172. 1996.
- [232] Sarkis, J; "Evaluating environmentally conscious business practices", European Journal of Operational Research, Vol. 107(1), pp. 159-174. 1998.
- [233] Scheidt, LG; Abdoolcader, N; Stadlbauer, H; Zong, S; Doelman, P; "Electronics recycling - Another dimension", Proceedings of the IEEE International Symposium on Electronics and the Environment, Orlando, FL, pp. 290-294. 1995.
- [234] Scheuring, J; Bras, BA; Lee, KM; "Significance of design for disassembly on integrated disassembly and assembly processes", International Journal of Environmentally Conscious Design and Manufacturing, Vol. 3(2), pp. 21-23. 1994.
- [235] Schwartz, JY; Sharir, M; "On the 'Piano Movers' Problem, II. General Techniques for Computing Topological Properties of Real Algebraic Manifolds". Computer Science Department, New York University report 41. 1982.
- [236] Seaver, WB; "Design considerations for remanufacturability, recyclability and reusability of user interface modules", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 241-245. 1994.
- [237] Seegers, HJM; "Automotive design for recycling in GE plastics", International Conference on Engineering Design, pp. 812-819. 1993.
- [238] Seliger, G; Kim, HJ; Keil, T; "Generation of Control Sequences fo a Pilot-Disassembly System", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 81-92. 2002.

- [239] Seliger, G; Zussman, E; Kriwet, A; "Integration of recycling considerations into product design - A system approach", Nof SY, editor. Information and Collaboration Models of Integration-Based on the NATO Research Workshop on Integration, Il Crocco, Italy. Dordrecht, The Netherlands: Kluwer Academic Publishers, pp. 27-41. 1994.
- [240] Senin, N; Groppetti, R; Wallace, DR; "Concurrent assembly planning with genetic algorithms", Robotics and Computer Integrated Manufacturing, Vol. 16, pp. 65-72. 2000.
- [241] Sheng, PS; Dornfeld, DA; Worhach, P; "Integration issues in green design and manufacturing", Manufacturing Review, Vol. 8(2), pp. 95-105. 1995.
- [242] Shergold, M; "Automotive materials recycling for the future", Proceedings of Institution of Mechanical Engineering, Vol. 208(2), pp. 75-82. 1994.
- [243] Shyamsundar, N; Gadh, R; "Geometric abstractions to support disassembly analysis". IIE Transactions, Vol. 31, pp. 935-946. 1999.
- [244] Siddique, Z; Rosen, DW; "A virtual prototyping approach to product disassembly reasoning", Computer-Aided Design, Vol. 29(12), pp. 847-860. 1997.
- [245] Simpson, VP; "Optimum solution structure for a repairable inventory problem", Operations Research, Vol. 26, pp. 270-281. 1978.
- [246] Sincero, AP; Sincero, GA; "Environmental engineering - A design approach", Prentice-Hall, 1995.
- [247] Srinivasan, H; Figueroa, R; Gadh R.; "Selective disassembly for virtual prototyping as applied to de-manufacturing". Robotics and Computer Integrated Manufacturing, Vol. 15 pp. 231-245. 1999.
- [248] Srinivasan, H; Gadh, R.; "A geometric algorithm for single selective disassembly using the wave propagation abstraction". Computer-Aided Design, Vol. 30(8), pp. 603-613. 1998.
- [249] Srinivasan, H; Gadh, R; "Complexity Reduction in Geometric Selective Disassembly Using the Wave Propagation Abstraction". International Conference on Robotics and Automation (ICRA), Lueven, Belgium, 1998.
- [250] Srinivasan, H; Gadh, R; "Selective disassembly of components with geometric constrains". Proc. ASME Design Engineering Technical Conferences, Las Vegas, Nevada, 1999.
- [251] Srinivasan, H; Shyamsundar, N; Gadh, R; "A framework for virtual disassembly analysis", Journal of Intelligent Manufacturing, Vol. 8, pp. 277-295. 1997.
- [252] Srinivasan, H; Shyamsundar, N; Gadh, R; "A virtual disassembly tool to support environmentally conscious product design", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 7-12. 1997.
- [253] Steinhilper, R; "Design for recycling and remanufacturing of mechatronic electronic products: challenges, solutions and practical examples from the European viewpoint". ASME Design for Manufacturability Conference, Chicago, IL, pp. 65-67. 1994.
- [254] Stock, JR; "Reverse Logistics", Oak Brook, IL: Council of Logistics Management, 1992.

- [255] Strang, G; "Linear Algebra and Its Applications", Academic Press, New York. 1976.
- [256] Subramani, AK; Dewhurs, P; "Automatic generation of product disassembly sequences". Annals of the CIRP 1991, Vol. 40(1), pp. 115-118. 1991.
- [257] Suga, T; Hosoda, N; "Active Disassembly and Reversible Interconnection", Proceedings of the 2000 IEEE International Symposium on Electronics and the Environment , pp. 330-334. 2000.
- [258] Takahashi, O; Schilling, R; "Motion planning in plane using generalised Voronoi diagrams". IEEE Robotics and Automation. 1989.
- [259] Taleb, KN; Gupta, SM; "Disassembly of multiple product structures", Computers and Industrial Engineering, Vol. 32(4), pp. 949-961 1997.
- [260] Taleb, KN; Gupta, SM; Brennan, L; "Disassembly of complex products with parts and material commonality", Production Planning and Control, Vol. 8(3), pp. 255-269. 1997.
- [261] Tang, Y; Zhon, MC; Caudill, RJ; "An integrated approach to disassembly planning and demanufacturing operation", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 354-359. 2000.
- [262] Tang, Y; Zhou, M; Zussman, E; Caudill, R; "Disassembly modelling, planning, and application: A review", Proceedings of the 2000 IEEE International Conference on Robotics & Automation, San Francisco, CA, pp. 2197-2202. 2000.
- [263] Tani, K; Güner, E; "Concept of an autonomous disassembly system using behaviour-based robotics", Advanced Robotics, Vol. 11(2), pp. 187-198. 1997.
- [264] Thierry, M; Salomon, M; Van Nunen, J; Van Wassenhove, L; "Strategic issues in product recovery management", California Management Review, Vol. 37(2), pp. 114-135. 1995.
- [265] Thurston, DL; "Internalising environmental impacts in design", ASME Design for Manufacturability Conference, Chicago, IL, pp. 107-113. 1994.
- [266] Tondu, B; Bazaz, SA; "The three-cubic method: An optimal online robot joint trajectory generator under velocity, acceleration, and wandering constraints", The International Journal of Robotics Research, Vol. 28(9), pp. 893-901. 1999.
- [267] Torres, F.; Puente, ST; Gil, P; Candelas, FA; Ortiz, FG; "MOGEDA: Modelo Genérico de Desensamblado Automático", XXI Jornadas de Automática, Sevilla. 2000.
- [268] Torres, F; Puente, ST; Aracil, R; "Disassembly planning based on precedence relations among assemblies", International Journal of Advanced Manufacturing Technology, aceptado-pendiente de publicación, 2003
- [269] Torres, F; Puente, ST; Cánovas, J; Mangas, J; Martinez-Larraz, C; "Web teleoperation of robots with simulation feedback". Proceedings of the SPIE: Telemanipulator and Telepresence Technologies VIII, Vol. 4570, pp. 105-112. 2002.
- [270] Umeda, K; Arai, T; "Three-dimensional vision system for mechanical assembly/disassembly", Advanced Robotics, Vol. 11(2), pp. 147-167. 1997.

- [271] Uzsoy, R; "Production planning for companies with product recovery and remanufacturing capability", Proceedings of the IEEE International Symposium on Electronics and the Environment, San Francisco, CA, pp. 285-290. 1997.
- [272] Van Der Laan, EA; Dekker, R; Salomon, M; "Product remanufacturing and disposal: A numerical comparison of alternative control strategies", International Journal of Production Economics, Vol. 45(1-3), pp. 489-498. 1996.
- [273] Van Der Laan, EA; Dekker, R; Salomon, M; Ridder, A; "An (s,Q) inventory model with remanufacturing and disposal", International Journal of Production Economics, Vol. 46-47, pp. 339-350. 1996.
- [274] Van Der Laan, EA; Salomon, M; "Production planning and inventory control with remanufacturing and disposal", European Journal of Operational Research, Vol. 102, pp. 264-278. 1997.
- [275] Veerakamolmal, P; Gupta, SM; "Design of an integrated recovery system". Proceedings of the IEEE International Symposium on Electronics and the Environment, Oak Brook, IL, pp 264-269. 1998.
- [276] Veerakamolmal, P; Gupta, SM; "Disassembly process planning". Proceedings of the International Conference on Engineering Design and Automation, pp. 162-165, 1997.
- [277] Veerakamolmal, P; Gupta, SM; "High-mix/low-volume batch of electronic equipment disassembly". Computers and Industrial Engineering, Vol. 35(1-2), pp. 65-68. 1998.
- [278] Veerakamolmal, P; Gupta, SM; "Planning components recovery from multiple products". Northeast Decision Sciences Institute -27th Annual Meeting, Boston, MA, pp. 270-272. 1998.
- [279] Veerakamolmal, P; Gupta, SM; McLean, CR; "Disassembly process planning". Proceedings of the International Conference on Engineering Design and Automation, Bangkok, Thailand, pp. 162-165. 1997.
- [280] Veroutic, AD; Fava, JA; "Framework for the development of metrics for design for environment assessment of products", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 13-24. 1996.
- [281] Vujosevic, R; Raskar, R; Yetukuri, NV; Jothishankar, MC; Juang, SH; "Simulation, animation and analysis of design disassembly for maintainability analysis", International Journal of Production Research, Vol. 33(11), pp. 2999-3022. 1995.
- [282] Warren, CW; "Fast path planning using modified A* method". IEEE Robotics and Automation, Atlanta, USA. 1993.
- [283] Watkins, RD; Kleban, SD; Luger, GF; "Expert system support for environmentally conscious manufacturing", International Journal of Environmentally Conscious Design & Manufacturing, Vol. 4(2), pp. 53-66. 1995
- [284] Watson, JG; "Sustainable development by design: review of life cycle design and related approaches", Air & Waste: Journal of Air & Waste Management Association, Vol. 44(9), pp. 1083-1088. 1994.
- [285] Weule, H; "Life-cycle analysis: a strategic element for future products and manufacturing technologies", Annals of the CIRP, Vol. 42, pp. 181-184. 1993.

- [286] Williams, J; Shu, L; "Analysis of toner-cartridge remanufacturer waste stream", Proceedings of the IEEE International Symposium on Electronics and the Environment, pp. 260-265. 2000.
- [287] Wilson, RH; Latombe, JC; "Geometric reasoning about mechanical assembly". Artificial Intelligence, Vol. 71(2), pp. 371-396. 1994.
- [288] Woo, TC; "Visibility maps and spherical algorithms". Computer-Aided Design, Vol. 26(1), pp. 6-16. 1994.
- [289] Woo, TC; Dutta, D; "Automatic Disassembly and Total Ordering in Three Dimension". ASME Journal of Engineering for Industry, pp. 102-109. 1991.
- [290] Xirouchakis, P; Kiritisis, D; "Petri net modelling for disassembly process planning". Concurrent Product Design and Environmentally conscious Manufacturing-ASME, 94(5), pp. 255-262. 1997.
- [291] Xu, Y; Mattikalli, R; Khosla, P; "Generation of partial medial axis for disassembly motion planning", Journal of Design and Manufacturing, Vol. 5(2), pp. 89-102. 1995.
- [292] Yan, X; Gu, P; "A graph based heuristic approach to automated assembly planning". Flexible Assembly Systems, Vol. 73, pp. 97-106. 1994.
- [293] Yokota, K; Brough, DR; "Assembly/Disassembly Sequence Planning", Assembly Automation, Vol. 12(3), pp. 31-38. 1992.
- [294] Young, SB; Vanderburg, WH; "Applying environmental life-fycle analysis to materials", JOM: The Journal of the Minerals, Metals & Materials Society, Vol. 46(3), pp. 22-27. 1994.
- [295] Zeid, I; Gupta, SM; "A computer Algorithm to Evaluate Product Disassembly Cost Index", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 23-31. 2002.
- [296] Zeid, I; Gupta, SM; Bardasz, T; "A case-based reasoning approach to planning for disassembly", Journal of Intelligent Manufacturing, Vol. 8(2), pp. 97-106. 1997.
- [297] Zeid, I; Gupta, SM; Bardasz, T; "An analogical problem solving approach to planning for disassembly", Proceedings of the Winter Annual Meeting of ASME (Design for Manufacturing and Assembly), Atlanta, GA, pp. 79-89. 1996.
- [298] Zha, XF; Lim, SYE; "Assembly/disassembly task planning and simulation using expert Petri nets", International Journal of Production Research, Vol. 38(15), pp. 3639-3676, 2000.
- [299] Zhang, HC; Kuo, TC; "A graph-based approach to disassembly model for end-of-life product recycling". Proceedings of the IEEE/CPMT International Electronics Manufacturing Technology Symposium, pp. 247-254. 1996.
- [300] Zhang, HC; Kuo, TC; "A Graph-Based Disassembly Sequence Planning for EOL Product Recycling", IEEE/CPMT Electronics Manufacturing Technology Symposium, pp. 140-151, 1997.
- [301] Zhang, HC; Kuo, TC; Huang, SH; "Recycling model for end-of-life products", Japan/USA Symposium on Flexible Automation, pp. 1127-1130. 1996.
- [302] Zhang, HC; Kuo, TC; Lu, H; Huang, SH; "Environmentally conscious design and manufacturing: a state of the art survey", Journal of Manufacturing Systems, Vol. 16(5), pp. 252-271. 1997.

-
- [303] Zorc, S; "Learning in assembly planning", IFAC Intelligent Assembly and Disassembly, Bled, Slovenia, pp. 17-22, 1998
- [304] Zuidwijk, R; Krikke, H; "Disassembly for Recovery under Uncertainty", Proceedings of SPIE: Environmentally Conscious Manufacturing II, Vol. 4569, pp. 44-53. 2002.
- [305] Zuo, BR; Stenzel, A; Seliger, G; "Flexible handling in disassembly with screwnail indentation", Proceedings of the IEEE International Conference on Robotics and Automation, Vol. 4, pp. 3681-3686. 2000.
- [306] Zussman, E; "Planning of disassembly systems". Assembly Automation, Vol. 15(4), pp. 20-23. 1995.
- [307] Zussman, E; Kriwet, A; Seliger, G; "Disassembly-oriented assessment methodology to support design for recycling". Annals of the CIRP, Vol. 43(1), pp. 9-14. 1994.
- [308] Zussman, E; Lenz, E; Shpitalni, M; "An Approach to the Automatic Assembly Planning Problem", Annals of the CIRP, Vol. 39(1). 1990.
- [309] Zussman, E; Zhou, M; Caudill, R; "Disassembly Petri net approach to modelling and planning disassembly process of electronics products", Proceedings of the IEEE International Symposium on Electronics and the Environment, Oak Brook, IL, pp. 331-336. 1998.
- [310] Zussman, E; Zhou, MC; "Design and implementation of an adaptative process planner for disassembly processes", IEEE Transactions on Robotics and Automation, Vol. 16(2), pp. 171-179. 2000.
- [311] Zust, R; Wagner, R; "Approach to the identification and quantification of environmental effects during product life", Annals of the CIRP, Vol. 1.41(1), pp. 473-476. 1992.