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### Book Chapters

Manuel Chica, Oscar Cordón, Sergio Damas, Joaquín Bautista: *A Multiobjective GRASP for the 1/3 Variant of the Time and Space Assembly Line Balancing Problem*. Trends in Applied Intelligent Systems - Series: Lecture Notes in Computer Science, Vol. 6098, First edited by Nicolás García-Pedrajas, Francisco Herrera, Colin Fyfe, José Manuel Benítez, Moonis Ali, 06/2010: chapter A multiobjective GRASP for the 1/3 variant of the time and space assembly line balancing problem; Springer Berlin Heidelberg New York., ISBN: Print ISBN: 978-3-642-13032-8 - Online ISBN: 978-3-642-13033-5

Manuel Chica, Óscar Cordón, Sergio Damas, Joaquín Bautista: *Adding Diversity to Two Multiobjective Constructive Metaheuristics for Time and Space Assembly Line Balancing*. Frontiers of Assembly and Manufacturing, First edited by Sukhan Lee, Raúl Suárez, Byung-Wook Choi, 06/2010: chapter 17; Springer Berlin Heidelberg., ISBN: 978-3-642-14115-7 / 978-3-642-14116-4

Joaquín Bautista, Raúl Suárez: *Mixed-Model Sequencing Problem with overload minimization considering workstations dependencies*. IEEE International Symposium on Assembly and Manufacturing, 2009. ISAM 2009, First edited by Institute of Electrical and Electronics Engineers, Inc, 11/2009: chapter T2B-3; IEEE Conference Publishing Services (CPS)., ISBN: 978-1-4244-4628-5

Manuel Chica, Oscar Cordón, Sergio Damas, Joaquín Bautista: *Adding diversity to a Multiobjective Ant Colony algorithm for time and Space Assembly Line Balancing*. IEEE International Symposium on Assembly and Manufacturing, 2009. ISAM 2009, First edited by Institute of Electrical and Electronics Engineers, Inc, 11/2009: chapter T2B-5; IEEE Conference Publishing Services (CPS)., ISBN: 978-1-4244-4628-5

Manuel Chica, Oscar Codón, Sergio Damas, Joaquín Bautista: *Integration of an EMO-based preference elicitation scheme into a multi-objective ACO algorithm for time and Space Assembly Line Balancing*. IEEE symposium on Computational intelligence in multi-criteria decision-making, 2009. mcdm '09, First edited by Carlos Coello Coello, Piero P. Bonissone, Yaochu Jin, IEEE MCDM 2009 Program Chairs, 03/2009: chapter 23; IEEE · Institute of Electrical and Electronics Engineers., ISBN: 978-1-4244-2764-2

Christian Blum, Joaquín Bautista, Jordi Pereira: *An Extended Beam-ACO Approach to the Time and Space constrained Simple Assembly Line Balancing Problem*. Evolutionary Computation in Combinatorial Optimization (8th European Conference, EvoCOP 2008, Naples, Italy, March 26-28, 2008. Proceedings), First edited by Jano van Hemert, Carlos Cotta, 03/2008: chapter 8; Springer Berlin Heidelberg., ISBN: 978-3-540-78603-0

## Journal Publications

- Jaime Cano-Belmán, Roger Z. Ríos-Mercado, Joaquín Bautista: *A scatter search based hyper-heuristic for sequencing a mixed-model assembly line*. *Journal of Heuristics* 12/2010; 16(6). DOI:10.1007/s10732-009-9118-2
- Manuel Chica, Óscar Cordón, Sergio Damas, Joaquín Bautista: *Multiobjective constructive heuristics for the 1/3 variant of the time and space assembly line balancing problem: ACO and random greedy search*. *Information Sciences* 09/2010; 180(18). DOI:10.1016/j.ins.2010.05.033
- Joaquín Bautista, Jordi Pereira: *A dynamic programming based heuristic for the assembly line balancing problem*. *European Journal of Operational Research* 05/2009; 194(3). DOI:10.1016/j.ejor.2008.01.016
- Joaquín Bautista, Jaime Cano: *Minimizing work overload in mixed-model assembly lines*. *International Journal of Production Economics* 03/2008; 112(1). DOI:10.1016/j.ijpe.2006.08.019
- Joaquín Bautista, Jordi Pereira, Belarmino Adenso-Díaz: *A Beam Search approach for the optimization version of the Car Sequencing Problem*. *Annals of Operations Research* 03/2008; 159(1). DOI:10.1007/s10479-007-0278-x
- Joaquín Bautista, Jordi Pereira, Belarmino Adenso-Díaz: *A GRASP approach for the extended car sequencing problem*. *Journal of Scheduling* 02/2008; 11(1). DOI:10.1007/s10951-007-0046-4

## Conference Proceedings

- Joaquín Bautista, Jordi Pereira, Alberto Cano: *Algoritmos de hormigas para minimizar la variación de las tasas de fabricación en líneas de montaje de productos mixtos*. VII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB/CEDI 2010), Valencia (Spain); 09/2010
- Manuel Chica, Oscar Cordón, Sergio Damas, Joaquín Bautista: *Incorporando preferencias basadas en EMO a un algoritmo ACO multiobjetivo para el equilibrado de líneas de montaje considerando tiempo y espacio*. VII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB/CEDI 2010), Valencia (Spain); 09/2010
- Joaquín Bautista, Raúl Suárez: *Mixed-Model Sequencing Problem with overload minimization considering workstations dependencies*. 2009 IEEE International Symposium on Assembly and Manufacturing (ISAM 2009), Suwon (Korea); 11/2009
- Manuel Chica, Oscar Cordón, Sergio Damas, Joaquín Bautista: *Adding diversity to a Multiobjective Ant Colony algorithm for time and Space Assembly Line Balancing*. 2009 IEEE International Symposium on Assembly and Manufacturing (ISAM 2009), Suwon (Korea); 11/2009
- Manuel Chica, Oscar Cordón, Sergio Damas, Joaquín Bautista: *Integration of an EMO-based Preference Elicitation Scheme into a Multi-objective ACO algorithm for Time and Space Assembly Line Balancing*. 2009 IEEE Symposium on Computational Intelligence in Multi-Criteria Decision-Making (MCDM 2009), Nashville, TN (USA); 04/2009
- Joaquín Bautista, Jordi Pereira: *Una heurística para el Equilibrado de Líneas de Montaje con Número Fijo de Estaciones*. VI Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB09), Málaga (Spain); 02/2009
- Jaime Cano Belmán, Roger Z. Ríos Mercado, Joaquín Bautista: *Combinación de reglas bajo un esquema de búsqueda dispersa para secuenciar modelos mixtos en líneas de montaje*. VI Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB09), Málaga, Spain; 02/2009

Manuel Chica, Oscar Cordon, Sergio Damas, Joaquín Bautista, Jordi Pereira: *Heurísticas constructivas multiobjetivo para el problema de equilibrado de líneas de montaje considerando tiempo y espacio*. VI Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB09), Málaga (Spain); 02/2009

Manuel Chica, Oscar Cordón, Sergio Damas, Jordi Pereira, Joaquín Bautista: *Incorporating Preferences to a Multi-objective Ant Colony Algorithm for Time and Space Assembly Line Balancing*. Ant Colony Optimization and Swarm Intelligence, 6th International Conference, ANTS 2008, Brussels (Belgium); 09/2008

Manuel Chica, Oscar Cordon, Sergio Damas, Joaquín Bautista, Jordi Pereira: *A Multiobjective Ant Colony Optimization Algorithm for the 1/3 Variant of the Time and Space Assembly Line Balancing Problem*. 12th International Conference on Processing and Management of Uncertainty in Knowledge-based Systems (IPMU'08), Málaga (Spain); 05/2008

Christian Blum, Joaquín Bautista, Jordi Pereira: *An Extended Beam-ACO Approach to the Time and Space Constrained Simple Assembly Line Balancing Problem*. Evolutionary Computation in Combinatorial Optimization, 8th European Conference, EvoCOP 2008, Naples, Italy, March 26-28, 2008. Proceedings, Naples (Italy); 03/2008