

PUBLICAÇÕES

Teses

1. António Ferrolho, “Integração, Controlo e Sequenciamento em Sistemas Robóticos Industriais”. Tese de Doutoramento, Faculdade de Ciências e Tecnologia da Universidade de Coimbra, Setembro de 2007.
2. António Ferrolho, “Desenvolvimento de uma Célula Flexível de Fabrico”. Tese de Mestrado, Faculdade de Ciências e Tecnologia da Universidade de Coimbra, Abril de 2001.

Capítulos de Livros

1. António Ferrolho e Manuel Crisóstomo, “Control and Scheduling Software for Flexible Manufacturing Cells”, Industrial Robotics: Programming, Simulation and Applications, ISBN: 3-86611-286-6, pp. 315-340, Advanced Robotic Systems, 2007.

Artigos em Revistas Internacionais

1. António Ferrolho e Manuel Crisóstomo, “Intelligent Control and Integration Software for Flexible Manufacturing Cells”, IEEE Transactions on Industrial Informatics, Vol. 3, no. 1, ISSN: 1551-3203, pp. 3-11, February 2007.
2. António Ferrolho e Manuel Crisóstomo, “Scheduling Jobs in Flexible Manufacturing Cells with Genetic Algorithms”, Research in Computing Science, Special issue: Advances in Computer Science and Engineering, Vol. 23, ISSN: 1870-4069, 2006, pp. 31-40.
3. António Ferrolho, Manuel Crisóstomo e Miguel Lima, “Scheduling in Flexible Manufacturing Cells”, International Journal of Factory Automation, Robotics and Soft Computing, Issue 2, April 2006, ISSN: 1828-6984, pp. 56-62.
4. António Ferrolho, Manuel Crisóstomo e Miguel Lima, “Scheduling in Flexible Manufacturing Cells”, Recent Advances in Control Systems, Robotics and Automation, International Society for Advanced Research, 2006, pp. 93-99. Editor: Salvatore Pennacchio, publicado por Internationalsar. ISBN: 88-901928-0-1.
5. António Ferrolho e Manuel Crisóstomo, “Scheduling and Control of Flexible Manufacturing Cells Using Genetic Algorithms”, WSEAS Transactions on Computers. Issue 6, Volume 4, June 2005, ISSN: 1109-2750, pp. 502-510.

Artigos em Conferências Internacionais

1. António Ferrolho e Manuel Crisóstomo, “Single Machine Total Weighted Tardiness Problem with Genetic Algorithms”, Proceedings of the IEEE International Conference on Computer Systems and Applications (AICCSA07), Amman, Jordania, May 13-16, 2007, em CD-ROM.
2. António Ferrolho e Manuel Crisóstomo, “Genetic Algorithm for the Single Machine Total Weighted Tardiness Problem”, Proceedings of the IEEE International Conference on E-Learning in Industrial Electronics (ICELIE06), Hammamet, Tunisia, December 18-20, 2006, ISBN: 1-4244-0324-3, pp. 17-22.
3. António Ferrolho e Manuel Crisóstomo, “Control and Scheduling in Flexible Manufacturing Cells”, Proceedings of the IEEE International Conference on Industrial Technology (ICIT06), Mumbai, India, December 15-17, 2006, ISBN: 1-4244-0726-5, pp. 1241-1246.
4. António Ferrolho e Manuel Crisóstomo, “Scheduling Jobs in Flexible Manufacturing Cells with Genetic Algorithms”, poster session in 15th International Conference on Computing (CIC2006), Mexico City, Mexico, November 21-24, 2006.
5. António Ferrolho e Manuel Crisóstomo, “A New Concept of Genetic Operators for Scheduling Problems”, Proceedings of the IEEE 4th International Conference on Computational Cybernetics, Tallinn, Estonia, August 20-22, 2006, pp. 131-136.
6. António Ferrolho, Manuel Crisóstomo e Miguel Lima, “Intelligent Control Software for Industrial CNC Machines”, Proceedings of the IEEE 9th International Conference on Intelligent Engineering Systems, Cruising on Mediterranean Sea, September 2005, em CD-ROM.
7. António Ferrolho e Manuel Crisóstomo, “Flexible Manufacturing Cell: Development, Coordination, Integration and Control”, Proceedings of the IEEE 5th International Conference on Control and Automation, Budapest, Hungary, June 2005, pp. 1050-1055.
8. António Ferrolho e Manuel Crisóstomo, “Genetic Algorithms for Solving Scheduling Problems in Flexible Manufacturing Cells”, Proceedings of the 4th WSEAS International Conference on Electronics, Signal Processing and Control (ESPOCO2005), Rio de Janeiro, Brazil, April 2005, em CD-ROM.
9. António Ferrolho e Manuel Crisóstomo, “Genetic Algorithms: concepts, techniques and applications”, Proceedings of the WSEAS International Conference on Engineering Education (EE2004), Venice, Italy, November 2004, em CD-ROM.

10. António Ferrolho e Manuel Crisóstomo, “Development of a Flexible Manufacturing Cell”, Proceedings of the 3th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA2004), Salzburg, Austria, February 2004, em CD-ROM.
11. António Ferrolho e Manuel Crisóstomo, “Software Development to Control the Scorbot ER VII Robot With a PC”, Proceedings of the 5th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE 2003)”, Vouliagmeni, Athens, Greece, December 2003, em CD-ROM.

AVALIAÇÃO DE ARTIGOS

Revistas

1. IEEE Transactions on Automation Science and Engineering, “Weighted Characteristic P-vector and Deadlock Control of WS³PR”, Março de 2007.
2. IEEE Transactions on Automation Science and Engineering, “Robust Supervisory Control for Product Routings with Multiple Unreliable Resources”, Abril de 2006.

Conferências

1. CIRA2007 - IEEE International Symposium on Computational Intelligence in Robotics and Automation, June 20-23, 2007, Jacksonville, Florida, USA, “Programming by Demonstration of Pick-and-Place Tasks for Industrial Manipulators using Task Primitives”, Março de 2007.
2. CIRA2007 - IEEE International Symposium on Computational Intelligence in Robotics and Automation, June 20-23, 2007, Jacksonville, Florida, USA, “Optimal Fuzzy Dispatching based on Hierarchical GA for Shuttle Cars in Port Terminals”, Março de 2007.