

## ***Elenco Pubblicazioni***

### ***Pubblicazioni su riviste internazionali con referee***

1. Argoneto P., **Renna P.** (in press). Capacity sharing in a network of enterprises using the Gale-Shapley model. *International Journal of Advanced Manufacturing Technology*. DOI: 10.1007/s00170-013-5155-y.
2. **Renna P.** (in press). Capacity investment decision by Monte Carlo approach in a cooperation network. *International Journal of Production Research*. ISSN: 0020-7543.
3. **Renna P.**, Magrino L., Zaffina R., (in press). Dynamic card control strategy in pull manufacturing systems. *International Journal of Computer Integrated Manufacturing*, DOI: 10.1080/0951192X.2013.799783, ISSN 0951-192X
4. **Renna P.** (in press). Controllable processing time policies for job shop manufacturing system. *International Journal of Advanced Manufacturing Technology*. DOI 10.1007/s00170-012-4635-9.
5. Carlucci D., **Renna P.**, Schiuma G. (2013). Evaluating service quality dimensions as antecedents to outpatient satisfaction using back propagation neural network. *Health Care Management Science*. ISSN: 1386-9620, 16(1), 37-44, 10.1007/s10729-012-9211-1.
6. **Renna P.** (2013). Decision model to support the SMEs' decision to participate or leave a collaborative network. *International Journal of Production Research*, 51(7), 1973-1983. ISSN: 0020-7543, DOI: 10.1080/00207543.2012.701773.
7. **Renna P.** (2013). Virtual Job Shop approach based on reconfigurable machines. *International Journal of Services and Operations Management*, 14(4), 445-465 ISSN: 1744-2370. DOI:10.1504/IJSOM.2013.052838
8. **Renna P.**, (2012). Influence of maintenance policies on multi-stage manufacturing systems in dynamic conditions. *International Journal of Production Research*, 50(2), 345-357. ISSN: 0020-7543.
9. Renna P., Argoneto P., (2012). Capacity investment decision in co-opetitive network by information sharing. *Computers and Industrial Engineering*, 62(1), 359-367. ISSN: 0360-8352.
10. **Renna P.** (2012). Simulation-based tool to analyse the effect of order acceptance policy in a make-to-order manufacturing system. *International Journal of Services and Operations Management*, 11(1), 70-86. ISSN: 1744-2370.
11. **Renna P.**, Ambrico M. (2011). Loading policies in cellular manufacturing systems with remainder cell. *International Journal of Computer Integrated Manufacturing*, 24(7), 661-675. DOI: 10.1080/0951192X.2011.570791. ISSN 0951-192X.
12. **Renna P.**, Ambrico M. (2011). Evaluation of cellular manufacturing configurations in dynamic conditions using simulation. *The International Journal of Advanced Manufacturing technology*, 56 (9-12), 1235-1251. DOI: 10.1007/s00170-011-3255-0, ISSN 0268-3768.
13. Romaniello V., **Renna P.**, Cinque V (2011). A Continuous Improvement and Monitoring Performance System: Monitor - Analysis - Action – Review (MAAR) Charts. *IBIMA Business Review*, 2011, 16 pages, DOI: 10.5171/2011.917557, ISSN: 1947-3788.
14. **Renna P.**, Argoneto P., (2011) Capacity sharing in a network of independent factories: A cooperative game theory approach. *Robotics and Computer Integrated Manufacturing*, doi:10.1016/j.rcim.2010.08.009. 27(2), 405-417. ISSN: 0736-5845.

15. **Renna P.**, (2011). Multi Agent Based Scheduling in manufacturing cells in dynamic environment. *International Journal of Production Research*, 49 (5), 1285-1301. ISSN: 1366-588X (electronic) 0020-7543 (paper).
16. **Renna P.**, (2010). Negotiation Policies and Coalition Tools in E-marketplace Environment. *Computers & Industrial Engineering*, 59, 619-629. 10.1016/j.cie.2010.07.007. ISSN: 0360-8352.
17. Dominici G., Argoneto P., **Renna P.**, Cuccia L. (2010). The Holonic Production System: A Multi Agent Simulation Approach. *iBusiness*, 2010, 2, 201-209. doi:10.4236/ib.2010.23025. ISSN Print: 2150-4075.
18. **Renna P.**, Argoneto P. (2010). Production Planning and Automated Negotiation for SMEs: an Agent Based e-Procurement Application. *International Journal of Production Economics*, 127, 73-84.10.1016/j.ijpe.2010.04.035. ISSN: 0925-5273.
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20. **Renna P.** and Argoneto P. (2010). A game theoretic coordination for trading capacity in Multi-Site Factory Environment. *International Journal of Advanced Manufacturing Technology*. <http://dx.doi.org/10.1007/s00170-009-2254-x>, 47(9), 1241-1252. ISSN: 0268-3768 (print version). ISSN: 1433-3015 (electronic version).
21. **Renna P.** (2010). Dynamic control card in a production system controlled by conwip approach. *Jordan Journal of Mechanical and Industrial Engineering*, vol. 4 (4), 425-432. ISSN: 1995-6665.
22. **Renna P.** (2010). Capacity reconfiguration management in Reconfigurable Manufacturing Systems. *International Journal of Advanced Manufacturing Technology*. <http://dx.doi.org/10.1007/s00170-009-2071-2> , 46(1-4), pp. 395-404. ISSN: 0268-3768 (print version). ISSN: 1433-3015 (electronic version).
23. **Renna P.**, ARGONETO P. (2010). Production Planning, Negotiation and Coalition integration: a new tool for an innovative e-business model. *ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING*, 26 (1), 1-12. ISSN: 0736-5845. doi:10.1016/j.rcim.2009.01.001.
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25. P. Argoneto, M. Bruccoleri, G. Lo Nigro, G. Perrone, S. Noto La Diega, **P. Renna** (2006), "High Level Planning of Reconfigurable Enterprises: a Game Theoretic Approach" *Annals of CIRP* 2006, 55/1/2006, p. 509-512. ISSN: 0007-8506.
26. Bruccoleri, M., **Renna P.**, Perrone, G., (2005) "Reconfiguration: a key to handle exceptions and performance deteriorations in manufacturing operations", on *International Journal of Production Research*, vol. 43 number 19 (1 October 2005) pp. 4125 - 4145. ISSN: 0020-7543.
27. M. Bruccoleri, G. Lo Nigro, G. Perrone, **P. Renna**,(2005) "Production planning in reconfigurable enterprises and reconfigurable production systems", *Annals of CIRP* 2005, 54/1/2005 p.433-436. ISSN: 0007-8506.
28. G. PERRONE, **RENNA P.**, M. CANTAMESSA, M. GUALANO, M. BRUCCOLERI, G. LO NIGRO. (2004). An Agent Based Architecture for Production Planning and Negotiation in Catalogue Based E-Marketplace. *CIRP JOURNAL OF MANUFACTURING SYSTEMS*. vol. 33 ISSN: 1581-5048.
29. G. Lo Nigro, S. Noto La Diega, G. Perrone, **P. Renna**, (2003), "Coordination Policies to Support Decision Making in Distributed Production Planning ", *Robotics and Computer Integrated Manufacturing* 19 (2003), 521-531.

30. **P. Renna**, G. Perrone, M. Amico, M. Bruccoleri, Noto La Diega, (2003), "A performance comparison between market like and efficiency based approaches in Agent Based Manufacturing environment", CIRP - Journal of Manufacturing Systems, Vol. 32 (2003), No 2

### ***Autore ed Editore di Libri Scientifici***

1. **Renna P.** (2012). Production and Manufacturing System Management: Coordination Approaches and Multi-Site Planning. ISBN13: 9781466620988, ISBN10: 1466620986. Information Science Reference Publishing, Hershey, New York.
2. Argoneto P., **Renna P.** (2011). Innovative Tools for Business Coalitions in B2B Applications. Springer, ISBN: 978-0-85729-706-8.
3. Argoneto, P., Perrone, G., **Renna, P.**, Lo Nigro, G., Bruccoleri, M., Noto La Diega, S., (2008) "Production Planning in Production Networks Models for Medium and Short-term Planning", Springer ISBN: 978-1-84800-057-5.
4. G. Perrone, **P. Renna**, (2005) "Implementation, Numerical Examples and Tests", Chapter 7 in "Design and Evaluating Value Added Services in Manufacturing E-Marketplace" Eds. Bruccoleri, M., Perrone, G. and **Renna, P.**, Springer ISBN: 1-4020-3151-3.

### ***Articoli in Libri Scientifici con referee***

1. **Renna P.** (in press). Integrating ERP with negotiation tools in Supply chain. In Engineering and Management of IT-based Service Systems: an intelligent Decision-Making Support System approach edited by Mora M., Garrido L., Cervantes-Perez F., Springer Series, ISBN: 978-3-642-39927-5.
2. **Renna P.** (2013). Learning methodologies to support e-business in automated negotiation process. In Computational Intelligence in Multi-Agent Systems: Theory and Practice edited by Kolomvatsos K., Anagnostopoulos C., Hadjiefthymiades S., 37-58, Information Science Reference Publishing, Hershey, New York. ISBN: 978-1-4666-4040-5.
3. **Renna P.** (2013). Order release strategies for customer order scheduling problem in dynamic environment. In Business Strategies and Approaches for Effective Engineering Management edited by Saeed S., Ayoub Khan M., Ahmad R., 1-21 Information Science Reference Publishing, Hershey, New York. ISBN: 9781466636583.
4. **Renna P.**, Padalino R. (2012). Negotiation protocol based on budget approach for adaptive manufacturing scheduling. In Customer-Oriented Global Supply Chains: Concepts for Effective Management edited by Ephrem Eyob and Edem Tetteh, 35-58, ISBN: 9781466602465. Information Science Reference Publishing, Hershey, New York.

5. Ambrico M., **Renna P.** (2012). Performance comparison of cellular manufacturing configurations in different demand profiles. In *Operations Management Research and Cellular Manufacturing: Innovative Methods and Approaches* Edited by Modrak V., 366-384, ISBN: 9781613500477. Information Science Reference Publishing, Hershey, New York.
6. Argoneto P and **Renna P.** (2011). Investing in Excess Capacity: Combining Real Options and Fuzzy Approaches in a Co-opetitive Network. In *Supply Chain Optimization, Design and Management: Advances and Intelligent Methods*, Eds, I. Minis, V. Zeimpekis, G. Dounias, N. Ampazis, ISBN 1615206337, pp. 51-72 Information Science Reference Publishing, Hershey, New York.
7. **Renna P.** and Argoneto P. (2011). Coalitional Added Services in a Linear Neutral e-Marketplace: an approach based on the Shapley Value. In *Supply Chain Optimization, Design and Management: Advances and Intelligent Methods*, Eds, I. Minis, V. Zeimpekis, G. Dounias, N. Ampazis, ISBN 1615206337, pp. 33-50, Information Science Reference Publishing, Hershey, New York.
8. **Renna P.** (2011). Dynamic Co-opetitive network organization supported by Multi Agent Architecture, 165-183. In *Business Organizations and Collaborative Web – Practices, Strategies and Patterns* edited by Malik K., Choudhary P. Information Science Reference Publishing, Hershey, New York, ISBN: 978-1-60960-581-0.
9. Bevilaqua V., Intini, F., Kuhtz, S. and **Renna P.** (2010). Cooperative inter-municipal waste collection: A Multi Agent System Approach. In *Corporate Environmental Management Information Systems: Advancements and Trends* edited by Frank Teuteberg and Jorge Gomez, ISBN, 1615209816, 236-252, Information Science Reference Publishing, Hershey, New York.
10. **P. Renna** and P. Argoneto (2011). Capacity Sharing Issue in a Co-opetitive Network: a Simulative Approach. In *Electronic Supply Network Coordination in Intelligent and Dynamic Environment: Modeling and Implementation* edited by Cho N., Mahdavi I, Mohebbi S., ISBN13: 9781605668086 ISBN10: 1605668087 pp. 291-318 Information Science Reference Publishing, Hershey, New York.
11. **P. Renna** and P. Argoneto (2011). e-Procurement process: negotiation and auction approaches for SMEs. In *E-Business Managerial Aspects, Solutions and Case Studies* edited by M. Manuela Cruz-Cunha and João Eduardo Varajão, ISBN 9781609604639, pp. 90-112. Information Science Reference Publishing, Hershey, New York.
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14. **P. Renna**, (2009), "Performance Comparison between Efficiency and Pheromone Approaches in Dynamic Manufacturing Scheduling" pp. 273-298, in *Intelligent Systems for Automated Learning and Adaptation: Emerging Trends and*

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15. **P. Renna** , Argoneto P., (2009), “Workload Assignment In Production Networks By Multi-Agent Architecture“,pp. 243-277, in Foundations of Computational Intelligence Volume 1 Learning and Approximation Series: Studies in Computational Intelligence , Vol. 201 Hassanien, A.-E.; Abraham, A.; Vasilakos, A.V.; Pedrycz, W. (Eds.) 2009, Springer, ISBN: 978-3-642-01081-1.
  16. M. Bruccoleri, G. Lo Nigro, S. Noto La Diega, G. Perrone, **P. Renna**, (2005) “A Decision Support System for Strategic Planning”,pp. 37-72, Chapter 3 in “Design of Advanced Manufacturing Systems: Models for capacity planning in Advanced Manufacturing Systems”, Eds. Semeraro, Q., and Matta, A., Springer ISBN: 1-4020-2930-6.
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### ***Pubblicazioni su atti di conferenze con referee***

1. Ambrico M., **Renna P.**, (2011). Mathematical models linked to design and reconfigure cellular manufacturing systems. X° AITeM “Enhancing the Science of Manufacturing”, 12-14 Settembre 2011, Napoli, Italy. ISBN: 978-88-906061-0-6.
2. Romaniello V., **Renna P.**, Cinque V., (2010) A methodology for performance and continuous improvement monitoring: Monitor - Analysis - Action – Review (MAAR) charts. 15th IBIMA Conference, Cairo, Egypt , 6 - 7 November 2010. ISBN: 978-0-9821489-4-5.
3. **Renna P.** (2009), “Pheromone approach coordination mechanism in dynamic manufacturing scheduling”, 9° AITeM “Enhancing the Science of Manufacturing”, 7-9 Settembre 2009, Torino, Italy. ISBN: 978-88-95057-07-4.
4. **Renna P.**, Padalino R, “Adaptive Dynamic Scheduling in Agent Based Manufacturing Environment: a Budget Approach”, in Proceeding of 11<sup>th</sup> IBIMA Conference on Innovation and Knowledge Management in Twin Track Economies, 4 – 6 January 2009, Cairo, Egypt. ISBN: 978-0-9821489-0-7 - ISI -Thompson indexed.
5. **Renna P.** “E-procurement in catalogue based E-marketplace by Multi Agent Approach”, in Proceeding of 11<sup>th</sup> IBIMA Conference on Innovation and Knowledge Management in Twin Track Economies, 4 – 6 January 2009, Cairo, Egypt. ISBN: 978-0-9821489-0-7 - ISI -Thompson indexed.
6. **Renna P.**, Padalino R., Vancza J., “A Multi-Agent Architecture for Budget-Based Scheduling in Dynamic Environments”, INTELLIGENT COMPUTATION IN MANUFACTURING ENGINEERING Innovative and Cognitive Production Technology and Systems, ISBN 978-88-900948-7-3, 23 - 25 July 2008, Naples, Italy.
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9. Argoneto P., Perrone G. **Renna, P.** (2006) ,” Medium Level Planning of Reconfigurable Enterprises: a Game Theoretical Approach”, Proceeding of 8<sup>th</sup> International conference on The Modern Information Technology in the Innovation Processes of the Industrial Enterprises, ISBN 963-86586-5-7, Budapest (Hungary) 11-12 September 2006.
10. **Renna P.**, Argoneto P., Lo Nigro G., Perrone G. and Noto La Diega S. (2005) “Coalition protocols in manufacturing e-marketplaces: creating and measuring the competitive advantage”, Proceeding of VII Convegno A.I.Te.M., ISBN:88-86406-20-7, Lecce, 7-9 Sept. 2005
11. P. Argoneto, M. Bruccoleri, G. Lo Nigro, G. Perrone, **P. Renna**, L. Sabato (2005) “ INTEGRATING ERP SYSTEMS IN VERTICAL SUPPLY CHAINS WITH NEGOTIATION TOOLS” EurOMA International Conference on Operations and Global Competitiveness, ISBN 963-218-455-6, Budapest, Hungary, June 19-22, 2005.
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17. G. Perrone, **P. Renna**, L. Sabato, U. La Commare, S. Noto La Diega, G. Sajeve, (2004) “An innovative Health Care Management System based on the Virtual Enterprise paradigm”, 13<sup>th</sup> annual IPSERA conference, The purchasing Function: walking a tightrope, April 4-7, Catania, Italy.
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22. G. Lo Nigro, S. Noto La Diega, G. Perrone, **P. Renna**, (2001) "Pianificazione della Produzione in ambiente multi-plant con tecniche Multi Agent System", *XII Riunione Scientifica Nazionale Ailg, Parma 8,9 Novembre 2001*.
23. M. Amico, M. Bruccoleri, S. Noto La Diega, G. Perrone and **P. Renna**, (2001), "An Intelligent Controller For Error Handling Scheduling Decision In Reconfigurable Manufacturing Systems", *V Convegno A.I.T.E.M.*, ISBN:88-900637-0-X, Bari, Settembre 2001: 355-364;
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### **Tesi di dottorato**

**P. Renna**, (2004) "Il coordinamento della produzione in ambiente *multiplant*; analisi e modellizzazione del problema in ambiente *Multi Agent System* mediante la simulazione ad eventi discreti", Bari 18/10/2004.