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# PUBLICATIONS

Summary:

▪ International journals:	69
▪ National journals:	17
▪ International conferences:	184
▪ National conferences:	23
▪ Books:	2
▪ Books chapters:	33
Total:	327
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▪ Books edition:	24
▪ Edition of special issues of journals:	14

Note: Publications marked with **WoS** are indexed in the **ISI Web of Science**.

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## 1 Publications in journals

### 1.1 International journals

- 1986** 1. Concurrent Pascal as a robot level language - a suggestion, A. Steiger Garção; L.M. Camarinha Matos, *Revista ROBOTICA (Cambridge University Press, U.K.)*, vol.5, n.4, Oct-Dec 86, pp. 269-272. **WoS**
- 1987** 2. Plan generation in Robotics - State of the art and perspectives, L.M. Camarinha-Matos, *Revista ROBOTICS (North-Holland)*, Vol.3, N. 3&4, Sep-Dec 1987, pp. 291-328.
3. A Conceptual Structure for a Robot Station Programming System, A. Steiger Garção; L.M. Camarinha Matos, *Revista ROBOTICS - International Journal (North-Holland)*, vol.3, n.2, Jun 1987, pp. 195-204.
- 1993** 4. A toolbox of integrated planning tools - A case study, B. Welz; L.M. Camarinha-Matos; T. Lueth; S. Münch; L. Stocchiero; J. Tramu; A. Visser, *IFIP TRANSACTIONS B-APPLICATIONS IN TECHNOLOGY 10, ISSN 0926-5481*, pp. 145-157, 1993. **WoS**
5. Hybrid Programming Paradigms in CIM-CASE, L.M. Camarinha-Matos; H. Pita; L. Osório, *IFIP TRANSACTIONS B-APPLICATIONS IN TECHNOLOGY 11, ISSN 0926-5481*, pp. 53-64, 1993. **WoS**
6. CIM-CASE Demonstration Description, L.M. Camarinha-Matos; H. Pita; L. Osório, *IFIP TRANSACTIONS B-APPLICATIONS IN TECHNOLOGY 11, ISSN 0926-5481*, pp. 263-274, 1993. **WoS**
7. CIM information management system: An express-based integration platform, L.M. Camarinha-Matos, A.L. Osório, *Control Engineering Practice*, Volume 1, Issue 5, October 1993.

pp 103-108

- 1994**
8. Information based control architecture for CIM, A.L. Osório; L.M. Camarinha-Matos, *IFIP TRANSACTIONS B-APPLICATIONS IN TECHNOLOGY 17*, ISSN 0926-5481, pp. 243-257,1994. **WoS**
  9. Control and Dynamic Scheduling in Virtual Organization of Production Resources, R. Rabelo; L.M. Camarinha-Matos, *IFIP TRANSACTIONS B-APPLICATIONS IN TECHNOLOGY 19*, ISSN 0926-5481, pp. 141-150, 1994. **WoS**
  10. Modeling, dynamic persistence and active images for manufacturing process, J. A. Barata; L.M. Camarinha-Matos; F. Rojas, *Journal Studies on Informatics and Control*, Vol. 3, N. 2-3, Sep 94, pp. 173-183.
  11. Objects dynamic behavior for graphical interfaces in VIM - An application case study, F. Negreiros; A. Alvarenga; L. Lorenzoni; H.P. Pita; L.M. Camarinha-Matos, *Journal Studies on Informatics and Control*, Vol. 3, N. 2-3, Sep 94, pp. 165-171.
  12. Design of a supervision system for integrated software architectures in CIM - A framework for concurrent engineering, A.L. Osório; L.M. Camarinha-Matos; P. E. Miyagi; J.R. Silva, *Journal Studies on Informatics and Control*, Vol. 3, N. 2-3, Sep 94, pp. 201-207.
  13. Interactive assembly task planning and execution supervision, L.M. Camarinha-Matos; H. P. Pita; L.S. Lopes; E. Rubio; J.M. Ibarra; A. Malo, *Journal Studies on Informatics and Control*, Vol. 3, N. 2-3, Sep 94, pp. 185-193.
  14. Development of a FMS/FAS system - The CRI's pilot unit, J.A. Barata; L.M. Camarinha-Matos, *Journal Studies on Informatics and Control*, Vol. 3, N. 2-3, Sep 94, pp. 231-239.
  15. Negotiation in Multi-Agent based dynamic scheduling, R. Rabelo; L.M. Camarinha-Matos, *Int. Journal on Robotics and CIM (Pergamon)*, Vol. 11, N. 4, Dec 1994, pp. 303-309. **WoS**
  16. Learning to diagnose failures of assembly tasks, L. Seabra Lopes and L. M. Camarinha-Matos, *Annual Review in Automatic Programming*, Volume 19, 1994, pp 97-103. Now *Annual Review in Control*, ISSN: 1367-5788 (Pergamon).
  17. An integrated platform for concurrent engineering, L.M. Camarinha-Matos, A.L. Osório, *Journal of the Brazilian Society of Mechanical Sciences*, vol. XVI, N. 3, 1994, pp.342-355.
  18. Graphical Interfaces supported on Objects with Dynamic Behavior: An Application in Visual Interactive Modeling, H.J. Pinheiro-Pita; L.M. Camarinha-Matos; F.J. Negreiros; L.L. Lorenzoni, *Journal of the Brazilian Society of Mechanical Sciences*, vol. XVI, N. 3, 1994, pp.328-341.
- 1995**
19. Towards a taxonomy of CIM Activities, L.M. Camarinha-Matos; H. Pita; R. Rabelo; J. Barata, *International Journal of Computer Integrated Manufacturing*, Vol. 8, N. 3, May-June 95, pp. 160-176. **WoS**
- 1996**
20. Deriving Particular Agile Scheduling Systems Using the HOLOS Methodology, Ricardo J. Rabelo, Luis Manuel Camarinha-Matos, *Journal Studies in Informatics and Control*, Vol. 5, N. 2, June 1996, pp. 89-106.

21. A Federated Multi-Agent Infrastructure for Concurrent Engineering (CIM-FACE), A. Luis Osório, L. M. Camarinha-Matos, *Journal Studies in Informatics and Control*, Vol. 5, N. 2, June 1996, pp. 143-156.
22. Integration and learning in supervision of flexible assembly systems, L.M. Camarinha-Matos, L. S. Lopes, J. Barata, *IEEE Transactions on Robotics and Automation*, Vol. 12, N. 2, Apr 96, pp. 202-219. **WoS**
23. Example Generation and Processing in Robot Programming by Demonstration, L.S. Lopes, L.M. Camarinha-Matos, *Journal of Studies in Informatics and Control*, Vol. 5, N. 3, Sep 1996, pp. 191-203.
- 1997** 24. Federated Information Management for Cooperative Virtual Organizations, H. Afsarmanesh, L.M. Camarinha-Matos, DEXA'97 – 8<sup>th</sup> Int. Conf. On Database and Expert Systems Applications, *Lecture Notes in Computer Science Nr. 1308*, Springer-Verlag, 1997, ISSN 0302-9743, pp. 561-572.
- 1998** 25. Towards an architecture for virtual enterprises, L.M. Camarinha-Matos, H. Afsarmanesh, C. Garita, C. Lima, *Journal of Intelligent Manufacturing*, Vol. 9, Issue 2, Apr 1998, ISSN 0956-5515, pp 189-199. **WoS**
26. Application of Machine Learning in Water Distribution Networks, L.M. Camarinha-Matos, F. J. Martinelli, *International Journal of Intelligent Data Analysis*, Vol. 2, N.4, pp.311-332, Oct 1998, ISSN 1088-467X, Elsevier/North-Holland.
27. Towards an open platform for supply chain management in the agribusiness sector, L.M. Spinosa, A. P. Klen, R. J. Rabelo, L.M. Camarinha-Matos, A. C. Ferreira, *RBI-Agro Revista Brasileira de Agroinformática*, Vol. 1, N.1, p.28-40, May-Aug 1998.
- 1999** 28. Multi-agent-based agile scheduling, R. Rabelo, L.M. Camarinha-Matos, H. Afsarmanesh, *Journal of Robotics and Autonomous Systems* (Elsevier), Vol. 27, N. 1-2, Apr 1999, ISSN 0921-8890, pp. 15-28. **WoS**
29. Intelligent mobile agents in elderly care, L.M. Camarinha-Matos, W. Vieira, *Journal of Robotics and Autonomous Systems* (Elsevier), Vol. 27, N. 1-2, Abril 1999, ISSN 0921-8890, pp. 59-75. **WoS**
30. Multi-agent systems applications, L.M. Camarinha-Matos, H. Afsarmanesh, V. Marik, *Journal of Robotics and Autonomous Systems* (Elsevier), Vol. 27, N. 1-2, Abril 1999, ISSN 0921-8890, pp. 1-2. **WoS**
31. Execution monitoring in adaptive mobile agents, W. Vieira, L.M. Camarinha-Matos, *Lecture Notes in Artificial Intelligence 1652* (Springer), ISSN 0302-9743, pp. 220-231, 1999. **WoS**
32. Hierarchical Coordination in virtual enterprise infrastructures, L.M. Camarinha-Matos, H. Afsarmanesh, C. Lima, *Journal of Intelligent and Robotic Systems*, Vol. 26, Issue 3/4, pp 267-287, Nov. 99, ISSN 0921-0296. **WoS**
33. Application of machine learning in water distribution networks assisted by domain experts, L.M. Camarinha-Matos, F. Martinelli, *Journal of Intelligent and Robotic Systems*, Vol. 26, Issue 3/4, pp 325-352, Nov. 99, ISSN 0921-0296. **WoS**

- 2000** 34. Towards an execution system for distributed business processes in a virtual enterprise, L. M. Camarinha-Matos, C. Lima, in High Performance Computing and Networking, *Lecture Notes in Computer Science N. 1823*, Springer, ISSN 0302-9743, May 2000, pp.149-162. **WoS**
- 2001** 35. Flexibility and safety in a web-base infrastructure for virtual enterprises, L.M. Camarinha-Matos, H. Afsarmanesh, A. L. Osório, *International Journal of Computer Integrated Manufacturing* (Taylor & Francis), Vol. 14, N. 1, Jan 2001, pp 66-82. **WoS**
36. Cooperation coordination in virtual enterprises, L.M. Camarinha-Matos, C. Lima, *Journal of Intelligent Manufacturing* (Kluwer), Vol. 12, N° 2, ISSN 0956-5515, Apr 2001, pp. 133-150. **WoS**
37. Execution system for distributed business processes in a virtual enterprise, L. M. Camarinha-Matos, *Journal Future Generation Computer Systems* (Elsevier), Vol. 17, Number 8, pp.1009-1021, Jun 2001, ISSN: 0167-739X. **WoS**
38. Virtual Enterprise Modeling and Support Infrastructures: Applying Multi-Agent Systems Approaches, L.M. Camarinha-Matos, H. Afsarmanesh, (invited) in *Lecture Notes in Artificial Intelligence LNAI N° 2086*, pp.335-364, Springer, ISSN: 0302-9743, ISBN 3-540-42312-5, July 2001, issue on Multi-Agent Systems and Applications, M. Luck, V. Marik, O. Stpankova, R. Trappl (eds.). **WoS**
- 2002** 39. A Mobile Agents Approach to Virtual Laboratories and Remote Supervision, L.M. Camarinha-Matos, O. Castolo, W. Vieira, *Journal of Intelligent and Robotic Systems*, ISSN 0921-0926, Vol. 35, Issue 1, pp. 1-22, Sep 2002. **WoS**
40. Trends in Virtual Organizations and Support Infrastructures, L.M. Camarinha-Matos, H. Afsarmanesh, **invited paper**, *Journal Systems, Control and Information*, Journal of the Institute of Systems, Control and Information Engineers, Japão, Vol. 46, N° 10, Oct 2002.
- 2003** 41. European assembly – status report, M. Onori, L.M. Camarinha-Matos, J. Barata, *J. Assembly Automation*, Vol. 23, Num. 1, 2003, pp 8-12, ISSN 0144-5154. **WoS**
42. Infrastructure developments for agile virtual enterprises, L.M. Camarinha-Matos, H. Afsarmanesh, R. Rabelo, *Int. Journal of Computer Integrated Manufacturing*, ISSN 0951-192X, Vol. 16, N. 4-5, Jun-Aug 2003, pp 235-254. **WoS**
43. Elements of a base VE infrastructure, L.M. Camarinha-Matos, H. Afsarmanesh, *J. Computers in Industry*, Vol. 51, Issue 2, Jun 2003, pp. 139-163. **WoS**
44. Coalitions of manufacturing components for shopfloor agility, J. Barata, L. M. Camarinha-Matos, in *Int. Journal of Networking and Virtual Organizations*, Vol. 2, N° 1, 2003, pp 50-77, ISSN 1470-9503.
- 2004** 45. TeleCARE: Collaborative virtual elderly care support communities, L.M. Camarinha-Matos, H. Afsarmanesh, *The Journal on Information Technology in Healthcare*, Vol. 2, Issue 2, pp 73-86, ISSN 1479-649X, London, Apr 2004.

46. TeleCARE Time Bank: A virtual community for elderly care supported by mobile agents, O. Castolo, F. Ferrada, L.M. Camarinha-Matos, *The Journal on Information Technology in Healthcare*, Vol. 2, Issue 2, pp 119-133, ISSN 1479-649X, London, Apr 2004.
47. A multi-agent based infrastructure to support virtual communities in elderly care, L.M. Camarinha-Matos, H. Afsarmanesh, *Int. J. Networking and Virtual Organisations*, Vol. 2, No. 3, 2004, pp.246–266, ISSN 1470-9503.
- 2005** 48. Collaborative networks: A new scientific discipline, L.M. Camarinha-Matos, H. Afsarmanesh, *J. Intelligent Manufacturing*, vol. 16, N° 4-5, pp439-452, ISSN: 0956-5515 , 2005. **WoS**
- 2006** 49. Results assessment and impact creation in collaborative research - An example from the ECOLEAD project, L.M. Camarinha-Matos, H. Afsarmanesh, *TECHNOVATION - International Journal of Technological Innovation, Entrepreneurship and Technology Management* (Elsevier), electronic version: Oct 2006, printed version: vol. 27(1-2), pp 65-77, 2007. **WoS**
- 2007** 50. A framework for virtual organization creation in a breeding environment, L.M. Camarinha-Matos, H. Afsarmanesh, *IFAC Journal Annual Reviews in Control* (Elsevier), Volume 31, Issue 1, 2007, pp 119-135. **WoS**
51. Performance indicators for collaborative networks based on collaboration benefits, Luis M. Camarinha-Matos, António Abreu, *Journal of Production Planning and Control*, Vol. 18, Issue 7, 2007, pp 592 – 609. **WoS**
52. A comprehensive modeling framework for collaborative networked organizations, L.M. Camarinha-Matos, H. Afsarmanesh, *Journal of Intelligent Manufacturing*, Volume 18, Number 5 / October, 2007, pp 527-615. **WoS**
53. On the role of value systems to promote the sustainability of collaborative environments, A. Abreu, L.M. Camarinha-Matos, *International Journal of Production Research*, Online Publication Date: 01 January 2007, Printed version: Volume 46, Issue 5 March 2008, pages 1207 – 1229. **WoS**
- 2008** 54. Enhancing performance in industrial collaborative networks, H. Afsarmanesh, L.M. Camarinha-Matos, (short article) *International Journal of Production Research*, Vol. 46, No. 5, 1 March 2008, 1203–1205. **WoS**
55. On reference models for collaborative networked organizations, L.M. Camarinha-Matos, H. Afsarmanesh, *International Journal Production Research*, Vol 46, N° 9, May 2008, pp 2453 – 2469. **WoS**
56. A multiagent-based control system applied to an educational shop floor, J. Barata, L. M. Camarinha-Matos, G. Cândido, *Journal of Robotics & Computer Integrated Manufacturing*, Volume 24, Issue 5, pp 597-605, Oct 2008. **WoS**
57. Distributed process execution in collaborative networks, A. L. Osório, Luis M. Camarinha-Matos, *Journal of Robotics & Computer Integrated Manufacturing*, Volume 24, Issue 5, pp 647-655, Oct 2008. **WoS**
- 2009** 58. Towards a conceptual model of value systems in collaborative networks, L.M. Camarinha-Matos, Patrícia Macedo, *Journal of* **WoS**

*Intelligent Manufacturing*. Published online 18 Nov 2008.

59. Collaborative Networked Organizations - Concepts and practice in Manufacturing Enterprises, L.M. Camarinha-Matos, H. Afsarmanesh, N. Galeano, A. Molina. *Journal of Computers & Industrial Engineering*, vol. 57 (2009), pp 46–60. Available online 7 December 2008. **WoS**
60. On the classification and management of Virtual Organisation Breeding Environments, Hamideh Afsarmanesh, Luis M. Camarinha-Matos, *International Journal of Information Technology & Management*, Vol. 8, No. 3, pp 234 – 259, 2009.
61. An approach to assess collaboration readiness, J. Rosas, L. M. Camarinha-Matos. *International Journal of Production Research*, Vol 47, Issue 17 (2009), pp 4711 – 4735. **WoS**
62. A framework for computer-assisted creation of dynamic virtual organizations, L. M. Camarinha-Matos, A. I. Oliveira, M. Sesana, N. Galeano, D. Demsar, F. Baldo, T. Jarimo. *International Journal of Production Research*, Vol 47, Issue 17 (2009), pp 4661 – 4690. **WoS**
63. Elements of a methodology to assess the alignment of core-values in collaborative networks, A. Abreu, P. Macedo, L. M. Camarinha-Matos. *International Journal of Production Research*, Vol 47, Issue 17 (2009), pp 4907 – 4934. **WoS**
64. Collaborative Networked Organizations: Status and Trends in Manufacturing, L. M. Camarinha-Matos. *Annual Reviews in Control*, Vol. 33, Issue 2, pp 199–208, 2009. **WoS**
65. On Management of 2nd Generation Virtual Organizations Breeding Environments, H. Afsarmanesh, L. M. Camarinha-Matos. *Annual Reviews in Control*, Vol. 33, Issue 2, pp 209–219, 2009. **WoS**
- 2010** 66. A method to analyse the alignment of core-values in collaborative networked organizations, P. Macedo, A. Abreu, L. M. Camarinha-Matos. *Journal of Production Planning and Control*, Vol. 21, No. 2, March 2010, 145–159. **WoS**
67. Agreement negotiation support in VO creation – an illustrative case, A. I. Oliveira, L. M. Camarinha-Matos, M. Pouly. *Journal of Production Planning and Control*, Vol. 21, No. 2, March 2010, pp 160–180. **WoS**
68. A conceptual model of value systems in collaborative networks, L. M. Camarinha-Matos P. Macedo. *Journal of Intelligent Manufacturing*, vol. 21, issue 3, Jun 2010, pp 287 – 299. DOI: 10.1007/s10845-008-0180-7. **WoS**
69. Models, Methodologies, and Tools Supporting Establishment and Management of Second-Generation VBEs, H. Afsarmanesh, L. M. Camarinha-Matos, S. S. Msanjila, to appear in *IEEE Transactions on Systems, Man and Cybernetics – C*. **WoS**

## **1.2 National journals**

- 1980** 1. Técnicas de ordenação, L.M. Camarinha Matos; J. Oliveira; A. Oliveira, *Revista de INFORMATICA (API)* - Vol.1, N.4, Oct - Dec 1980, pp. 31-37.

- 1981** 2. Instalação de Sistemas de Exploração em Microsistemas, L.M. Camarinha Matos, *Revista INFORMATICA (API)*, Vol. 3, N. 2, Jul-Sep 1981, pp. 43-47.
- 1982** 3. Notas sobre a Aplicação da Microinformática à Gestão, L.M. Camarinha Matos; Costa Cabral, *Revista INFORMATICA (API)*, Vol. 4, N. 1, Jan 1982, pp. 31-37.
- 1983** 4. Curso Software de Sistema para Microcomputadores - relatório de ocorrência. L.M. Camarinha Matos, *Revista INFORMATICA (API)*, vol.5,n.1, Jan 1983.
- 1991** 5. Robótica e CIM - Integração, Autonomia, Flexibilidade L.M. Camarinha Matos, *Revista Robótica e Automatização*, N°6, Julho 91, pp 36-44.
- 1992** 6. Integração de Informação para Arquitecturas CIM, L.M. Camarinha Matos; A.L. Osório; L. Seabra Lopes, *Revista INGENIUM da Ordem dos Engenheiros*, N. 59, Apr 92, pp. 38-48.
7. Uma aproximação ao escalonamento dinâmico com base em negociação, R. Rabelo; L.M. Camarinha-Matos, *Proceedings do Workshop Iberoamericano de Sistemas Autónomos em Robótica e CIM*, Lisboa, 2-4 Nov 92 [*Revista Robótica e Automatização*, N. 10, Oct 92], pp. 45-54.
- 1993** 8. Escalonamento dinâmico: Estado actual e tendências, R. J. Rabelo; L.M. Camarinha Matos, *Revista Robótica e Automatização*, N. 11, Jan 93, pp. 21-32.
9. Arquitectura de controlo para sistemas integrados de manufactura, A.L. Osório; L.M. Camarinha-Matos, *Revista INGENIUM*, N. 72, Jul/Aug 1993, pp. 53-65, ISSN 0870-5968.
10. Projecto, Planeamento e Produção Assistidos por Computador - relato das 4<sup>as</sup> jornadas, L.M. Camarinha-Matos, *Revista INGENIUM [Ordem dos Engenheiros]*, N. 72, Jul- Aug 1993, pp. 5-10, ISSN 0870-5968.
- 1995** 11. Tecnologias para uma nova indústria - As Tecnologias da Informação e os novos paradigmas da produção em debate nas 5.as Jornadas PPP/AC, L.M. Camarinha-Matos, *Revista INGENIUM*, N. 84, May-Jun 1995, pp. 95-104.
- 2000** 12. Empresas virtuais, organizações virtuais e comércio electrónico, L. M. Camarinha-Matos, **invited paper**, *Revista SENSUS*, N. 1, pp 40-43, 2000
- 2001** 13. Integração de sistemas de manufactura – Das ilhas de automação às empresas virtuais, L.M. Camarinha Matos, *Revista INGENIUM [Ordem dos Engenheiros]*, 2<sup>a</sup> série, N° 56, Mar 2001, pp.68-74, ISSN 0870-5968.
14. Agentes móveis em operação remota: Uma aplicação em telerobótica, L.M. Camarinha Matos, W. Vieira, O. Castolo, *Revista ROBÓTICA*, ISSN 0874-9019, N° 45, 4° Trimestre, Oct 2001, pp 40-48.
15. Interoperabilidade em sistemas de manufactura, L. M. Camarinha-Matos, *Revista ROBÓTICA*, N° 44, 3° Trim. 2001, pp. 6-7.
16. Por um programa de investigação e desenvolvimento em organizações virtuais dinâmicas e sustentáveis, L. M. Camarinha-Matos, *Revista ROBÓTICA*, N° 45, 4° Trim. 2001, pp. 6-8.
- 2004** 17. Tecnologia na assistência à terceira idade, L. M. Camarinha Matos, *Revista ROBÓTICA*, N° 55, 2° Trim. 2004, pp. 4-5.

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## 2 Publications in conference proceedings

### 2.1 International conferences with referees

- 1986**
1. Robotic Cell Programming: A Knowledge-based Approach, L.M. Camarinha Matos; A. Steiger Garção, *Proceedings of 8<sup>th</sup> IASTED / AFCET International Symposium on Robotics and Artificial Intelligence*, Toulouse 18-20 Jun 86, vol. II, pp. 533-551.
  2. A Knowledge Based Approach for Multisensorial Integration, A. Steiger-Garção; L.M. Camarinha-Matos, *Proceedings of NATO Advanced Research Workshop on Languages for sensor-based control in Robotics*, Castelvecchio Pascoli, Italy, Sep 1-5, 1986. Editado pela Springer-Verlag, Nato ASI Series N. 29, 1987, ISBN 3-540-17665-9, pp. 217-232.
  3. An Architecture for Sensor Integration and Interpretation, F.J. Moura Pires; A. Steiger Garção; L.M. Camarinha Matos, *Proceedings of MECO'86 - International Symposium on Measurement, Signal Processing and Control*, Taormina, Italy, 3-5 Sep 86, Acta Press, ISBN 0-88986-096-3, pp. 217-221.
  4. Education in Robotics: Guidelines for a Curriculum, A. Steiger Garção; L.M. Camarinha Matos; F.J. Moura Pires, *Proceedings of the 1st IASTED International Symposium on Robot Manipulators: Modelling, Control and Education*, Albuquerque, USA, 12-14 Nov 1986, ISBN 0-88986-096-3, pp. 217-221.
- 1987**
5. An Information System Architecture for Robot Cell Programming, L. Camarinha-Matos; A. Steiger-Garção, *Proceedings of Nato Advanced Study Institute on CIM: Current Status and Challenges*, Istanbul, Turkey, Aug 31- Sep 12, 1987, Springer-Verlag, Nato ASI Series, vol. 49, series F, ISBN 3-540-50220-3, 1988, pp. 197-212.
- 1988**
6. An Integrated Robot Cell Programming System, L. M. Camarinha-Matos; A Steiger-Garção, *Proceedings of the International Symposium and Exposition on Robotics (ISER / 19th ISIR)*, Sydney, Australia, 6-10 Nov. 1988, ISBN 0-7316-2571-4, pp. 1297-1315.
  7. An Integrated Architecture for Robot Cell Programming and Monitoring, A. Steiger Garção; L.M. Camarinha Matos, *Proceedings of the 2nd International Symposium on Robotics and Manufacturing Research, Education and Applications*, SME Press, Albuquerque, USA, 16-18 Nov. 1988, ISBN 0-7918-0006-7, pp. 665-674.
- 1989**
8. Research and industrial exploitation perspectives on Robotics and CIM, A. Steiger-Garção; L.M. Camarinha-Matos, *Proceedings of the 1st UNIDO Workshop on Robotics and CIM*, Lisboa 11-15 Sep. 1989, vol. I, pp. A1-A11.
  9. Information integration for assembly cell programming and monitoring in CIM, L.M. Camarinha-Matos; J. Moura-Pires; R. Rabelo; U. Negretto; G.R. Meijer, *Proceedings of the 21st ISATA - International Symposium on Automotive Technology and Automation*, Wiesbaden, Germany, 6-10 Nov. 1989, ISBN 0-947719 33 4, vol. III, pp. 1933-1953.
  10. Information and Knowledge integration for CIM - concept summary, A. Steiger- Garção; L.M. Camarinha-Matos, *Proceedings of the 21st ISATA - International Symposium on Automotive Technology and Automation*, Wiesbaden, Germany, 6-10 Nov. 1989, ISBN 0-947719 33 4, vol. III, pp. 1921-1931.
  11. Human-oriented control of robotic cells, L. M. Camarinha-Matos, J

- Moura-Pires, H Pinheiro-Pita, *Proceedings of the ROBCON 5: International Conference on Industrial Robots*, Varna, Bulgaria, 9-11 Oct 89, vol. 1, pp. 91-103.
12. Knowledge architecture for flexible programming of robotic cells, L.M. Camarinha-Matos; A. Steiger-Garção, *Proceedings of the 20th International Symposium on Industrial Robotics*, Tokyo, 4-6 Oct. 1989, Japan Industrial Robot Association, pp. 759-766.
  13. Knowledge-supported autonomy for robotic systems in CIM A. Steiger-Garção; L.M. Camarinha-Matos, *Proceedings of the IAS2 - Intelligent Autonomous Systems 2*, Amsterdam, 11-14 Dec 1989, ISBN 90-800410-1-7, pp. 792-802.
  - 1990**
    14. Interactive planning of motion and assembly operations, L.M. Camarinha-Matos; H.J. Pinheiro-Pita, *Proceedings of the IEEE International Workshop on Intelligent Motion Control*, Istanbul, 20-22 Aug 1990, IEEE catalog N. 90TH 0272-5, vol. II, pp. 587-592.
    15. Execution monitoring in robotized assembly, L.M. Camarinha-Matos; A.L. Osório, *Proceedings of the Symposium on Electronics Technology'90*, Optical, Acoustical and Filmtechnical Society, Budapest, Hungary, 17-21 Sep 90, pp. 121-128.
    16. Strategies for knowledge & information integration in CIM, L.M. Camarinha-Matos; H.P. Pita; J. Moura-Pires, *Proceedings of the 4th Latin-American Conference on Automation*, Puebla, Mexico, 26-30 Nov. 1990, vol. 1, pp. 153-158.
    17. Monitoring and Error Recovery in Assembly Tasks, L.M. Camarinha-Matos; A. Osório, *Proceedings of the 23rd ISATA - International Symposium on Automotive Technology and Automation*, Vienna, Austria, Nov. 1990, ISBN 0 947719 39 3, vol. II, pp. 453-460.
  - 1991**
    18. Information Integration for CIM Planning Tools, L.M. Camarinha-Matos; F. Sastron, *Proceedings of CAPE'91 - 4th IFIP Conference on Computer Applications in Production and Engineering*, Bordeaux, 10-12 Sep 91, North-Holland, ISBN 0-44489159-5, pp. 769-776. **WoS**
  - 1992**
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  135. ECOLEAD: A holistic approach to creation and management of dynamic virtual organizations, L.M. Camarinha-Matos, H. Afsarmanesh, M. Ollus, in *Proceedings of PRO-VE'05 – Collaborative Networks and their Breeding Environments*, Springer, pp. 3-16, Valencia, Spain, 26-28 Sep 2005. **WoS**
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144. A modeling framework for collaborative networked organizations, L. M. Camarinha-Matos, H. Afsarmanesh, in *Proceedings of PRO-VE'06, Network-centric collaboration and Supporting Frameworks* (Springer), pp 3-14, 25-27 Sep 2006, Helsinki, Finland. **WoS**
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153. Collaborated Networked Organizations in manufacturing, L. M. Camarinha-Matos, (**invited keynote**), *Proceedings of IFAC Conference on Cost Effective Automation in Networked Product Development and Manufacturing*, Monterrey, Mexico, 2-5 Oct 2007.
- 2008** 154. Advances in collaborative networked organizations, L. M. Camarinha-Matos, (**invited keynote**), *Proceedings of BASYS'08, 23-25 Jun 08, Porto, Portugal, Innovation in Manufacturing Networks (A. Azevedo, Ed.)*, Springer, pp. 3-16. **WoS**
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158. Agreement negotiation support in VO creation, A. I. Oliveira, L. M. Camarinha-Matos, M. Pouly, *Proceedings of PRO-VE'08, Pervasive Collaborative Networks*, Springer, pp.107-118. **WoS**
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160. Management of Information Supporting Collaborative Networks, H. Afsarmanesh, L. M. Camarinha-Matos, in *Proceedings of DEXA'09 - 20th International Conference on Database and Expert Systems Applications (Keynote)*, 31 Aug- 4 Sep 2009, Linz, Austria. *Lecture Notes in Computer Science 5690*, pp 1-6. **WoS**
161. An Organization's Extended (Soft) Competencies Model, J. Rosas, P. Macedo, L. M. Camarinha-Matos, *Proceedings of PRO-VE'09, 7-9 Oct 09, Thessaloniki, Greece, Leveraging knowledge for innovation in Collaborative Networks*, Springer, pp. 247-258. **WoS ?**
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163. A Well-conceived Vision for Extending Professional Life of Seniors, H. Afsarmanesh, L. M. Camarinha-Matos, S. Msanjila, *Proceedings of PRO-VE'09, 7-9 Oct 09, Thessaloniki, Greece, Leveraging knowledge for innovation in Collaborative Networks*, Springer, pp. 681-692. **WoS ?**
164. New Organizational Forms to Extend the Professional Active Life, A. del Cura, L. M. Camarinha-Matos, F. Ferrada, P. del Cura, *Proceedings of PRO-VE'09, 7-9 Oct 09, Thessaloniki, Greece, Leveraging knowledge for innovation in Collaborative Networks*, Springer, pp. 707-718. **WoS ?**
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166. Collaborative networks contribution to sustainable development, L. M. Camarinha-Matos, *Proceedings of SWIIS 2009 – IFAC Workshop on Supplementary Ways for Improving International Stability (invited)*, Bucharest, Romania, 28-30 Oct 2009.
- 2010** 167. Applying causal reasoning to analyze value systems, P. Macedo, L.M. Camarinha-Matos, *Proceedings of DoCEIS'10 – Emerging Trends in Technological Innovation, IFIP AICT 314*, Springer, pp 3-13. **WoS**
168. Assessment of the willingness to collaborate in enterprise networks, J. Rosas, L.M. Camarinha-Matos, *Proceedings of DoCEIS'10 – Emerging Trends in Technological Innovation, IFIP AICT 314*, Springer, pp 14-23. **WoS**
169. The virtual enterprise from a governance perspective, D. Romero, A.I. Oliveira, L.M. Camarinha-Matos, A. Molina, *Proceedings of DoCEIS'10 – Emerging Trends in Technological Innovation, IFIP AICT 314*, Springer, pp 73-82. **WoS**
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172. ePAL Roadmap for Active Ageing: A Collaborative Networks Approach to Extending Professional Life, L.M. Camarinha-Matos, H. Afsarmanesh, A. del Cura, J. Playfoot, *Proceedings of Pervasive Health 2010 - 4th International ICST Conference on Pervasive Computing Technologies for Healthcare 2010 / AGEmap workshop, 22-25 Mar 2010, Munich, Germany*. **IEEE Xplore**
173. On Technological Aspects of Active Ageing, H. Afsarmanesh, S. Msanjila, L.M. Camarinha-Matos, *Proceedings of Pervasive Health 2010 - 4th International ICST Conference on Pervasive Computing Technologies for Healthcare 2010 / AGEmap workshop, 22-25 Mar 2010, Munich, Germany*. **IEEE Xplore**
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175. Open Services Ecosystem Supporting Collaborative Networks, A. Luis Osório, Hamideh Afsarmanesh and Luis M. Camarinha-Matos, **WoS ?**

Proceedings of BASYS'10, Balanced Automation Systems for Future Manufacturing Networks, IFIP AICT Series 322/2010, Springer, pp 80-91.

176. Understanding Social Capital in Collaborative Networks, António Abreu and L. M. Camarinha-Matos, Proceedings of BASYS'10, Balanced Automation Systems for Future Manufacturing Networks, IFIP AICT Series 322/2010, Springer, pp 109-118. **WoS ?**
177. The Role of Collaborative Networks in Sustainability, L.M. Camarinha-Matos, H. Afsarmanesh, X. Boucher, Proceedings of PRO-VE'10, 11-13 Oct 10, St.-Etienne, France, Collaborative Networks for a Sustainable World, IFIP AICT Series 336/2010, Springer, pp. 1-16. **WoS ?**
178. Active Ageing Roadmap – A Collaborative Networks Contribution to Demographic Sustainability, L.M. Camarinha-Matos, H. Afsarmanesh, Proceedings of PRO-VE'10, 11-13 Oct 10, St.-Etienne, France, Collaborative Networks for a Sustainable World, IFIP AICT Series 336/2010, Springer, pp. 46-59. **WoS ?**
179. Pro-Active Service Entity Framework for a Better Mapping between Business and Software, T. Cardoso, L. M. Camarinha-Matos, Proceedings of PRO-VE'10, 11-13 Oct 10, St.-Etienne, France, Collaborative Networks for a Sustainable World, IFIP AICT Series 336/2010, Springer, pp. 451-460. **WoS ?**
180. Towards a Reference Architecture for a Collaborative Intelligent Transport System Infrastructure, A. L. Osório, H. Afsarmanesh, L. M. Camarinha-Matos, Proceedings of PRO-VE'10, 11-13 Oct 10, St.-Etienne, France, Collaborative Networks for a Sustainable World, IFIP AICT Series 336/2010, Springer, pp. 469-477. **WoS ?**

## 2.2 National conferences (with referees)

- 1980**
1. Processador de Disquete, A. Steiger Garção; C. Manso; A. Sarmento; L.M. Camarinha Matos, *Actas do I Congresso Português de Informática*, API, Lisboa, May 1980.
  2. Instalação de Sistemas de Exploração em Microsistemas, L.M. Camarinha Matos, *Actas do Seminário MICROCOMPUTADORES III*, LNEC, Oct 1980.
  3. Uma Aplicação da Microinformática: Gestão de Stocks, L.M. Camarinha Matos, *Actas do Seminário MICROCOMPUTADORES III*, LNEC, Oct 80.
- 1986**
4. Programação de Estações Robóticas a nível tarefa, L.M. Camarinha Matos; A. Steiger Garção, *Actas do 4º Congresso Português de Informática*, Lisboa 23-27 Junho 1986, vol. 2-a, pp.1061-1090.
- 1987**
5. CAD no contexto duma estação robótica de montagem, L. M. Camarinha Matos; A. Steiger Garção, *Actas das 1.as Jornadas Nacionais de Projecto, Planeamento e Produção Assistidos por Computador*, Ordem dos Engenheiros, Lisboa, 9-11 Dec 1987, pp. 233-236.
- 1988**
6. Uma perspectiva integrada para a programação de células robóticas, A. Steiger Garção; L.M. Camarinha Matos, *Actas do 5º Congresso Português de Informática*, Lisboa, May 1988, vol. 1, pp. 340-355.
  7. Integração de Sistemas de Gestão de Dados e Conhecimento para Modelação em Robótica, L.M. Camarinha Matos; D. Ferreira; J. Moura Pires, *Actas do 5º Congresso Português de Informática*, Lisboa, May 1988, vol. 1, pp. 235-254.
  8. Programação orientada por objectos no controle de estações robóticas,

- L.M. Camarinha Matos; L. Correia, *Actas do 5º Congresso Português de Informática*, Lisboa, May 1988, vol. 1, pp. 310-322.
- 1989**
9. Simulação e especificação interactiva de tarefas de montagem, L.M. Camarinha Matos; A. Steiger Garção; H. Pinheiro Pita, *Actas das 2.as Jornadas Nacionais de Projecto, Planeamento e Produção Assistidos por Computador*, Ordem dos Engenheiros, Lisboa, 10-12 May 1989, pp. 263-271.
  10. Perspectivas para a formação em produção integrada, A. Steiger Garção; L.M. Camarinha Matos; F. Moura Pires, *Actas das 2.as Jornadas Nacionais de Projecto, Planeamento e Produção Assistidos por Computador*, Ordem dos Engenheiros, Lisboa, 10-12 May 1989, pp. 115-122.
- 1991**
11. Integração de Informação para Arquitecturas CIM, L.M. Camarinha Matos; A.L. Osório; L. Seabra Lopes, *Actas das 3.as Jornadas Nacionais de Projecto, Planeamento e Produção Assistidos por Computador*, Lisboa, 4-6 Dec 91. Publicado também na Revista INGENIUM da Ordem dos Engenheiros, pp. 19-27.
  12. Configuração de sistemas CIM - Um conceito de CIM-CASE, L.M. Camarinha Matos; H.J. Pinheiro Pita, *Actas das 3.as Jornadas Nacionais de Projecto, Planeamento e Produção Assistidos por Computador*, Lisboa, 4-6 Dec 91, pp. 29-36.
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- 2008** 2. Collaborative Networks: Reference Modeling, L.M. Camarinha-Matos, H. Afsarmanesh, Springer: New York, 2008. ISBN 978-0-387-79425-9.

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- 1997** 2. Balanced Automation, L.M. Camarinha-Matos, R. Rabelo, A. L. Osório, in the book “*Computer Assisted Management and Control of Manufacturing Systems*” edited by Prof. S. Tzafestas, Springer-Verlag, London.1997, ISBN 3-540-76110-1, cap. 14, pp. 376-414.
- 1998** 3. Virtual Enterprises: Life cycle supporting tools and technologies, L.M. Camarinha-Matos, H. Afsarmanesh, in *Handbook of Life Cycle Engineering: Concepts, models and technologies*, A. Molina, A. Kusiak, J. Sanchez (Eds.), Kluwer Academic Publishers, 1998, pp. 535-571, ISBN 0-412-81250-9.
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## 5 Editorship

### 5.1 Books editorship

- 1993** 1. Proceedings of the ECLA.CIM'93 Workshop, L.M. Camarinha-Matos; A.L. Osório, UNL, Nov. 1993.
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- 1996** 3. Balanced Automation Systems II - Implementation Challenges for Anthropocentric Manufacturing, (L.M. Camarinha-Matos, H. Afsarmanesh - Editores), Chapman & Hall, ISBN 0-412-78890-X, IFIP Vol. 58, Jun. 96.
- 1997** 4. Re-engineering for Sustainable Industrial Production, (L.M. Camarinha-Matos, editor), Chapman & Hall, May 1997, ISBN 0-412-79950-2, IFIP Vol. 88.
- 1998** 5. Intelligent Systems for Manufacturing – Multi-agent systems and virtual organizations, (L.M. Camarinha-Matos, H. Afsarmanesh, V. Marik - Editores), Kluwer Academic Publishers, Jul. 1998, ISBN 0-412-84670-5, IFIP Vol. 130, Aug 1998.
- 1999** 6. Infrastructures for Virtual Enterprises – Networking industrial enterprises, (L.M. Camarinha-Matos, H. Afsarmanesh – Editores), Kluwer Academic Publishers, ISBN 0-7923-8639-6, IFIP Vol. 153, Sep. 1999.
- 2000** 7. Advances in Networked Enterprises – Virtual Organizations, Balanced Automation, and Systems Integration, (L.M. Camarinha-Matos, H. Afsarmanesh, H.-H. Erbe – Editores), Kluwer Academic Publishers, ISBN 0-7923-7958-6, IFIP Vol. 181, Sep 2000.
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- 2002** 9. Collaborative Business Ecosystems and Virtual Enterprises, (L.M. Camarinha-Matos, Editor), Kluwer Academic Publishers, ISBN 1-4020-7020-9, May 2002.

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14. Virtual Enterprises and Collaborative Networks, (L. M. Camarinha-Matos, Editor), Kluwer Academic Publishers, ISBN 1-4020-8138-3, IFIP Vol. 149, Aug 2004.
15. Emerging Solutions for Future Manufacturing Systems, (L.M. Camarinha-Matos, Editor), Springer, ISBN 0-387-22828-4, IFIP Vol. 159, Sep 2004.
- 2005** 16. Virtual Organizations: Systems and Practices, (L.M. Camarinha-Matos, H. Afsarmanesh, M. Ollus, Editors), Springer, ISBN 0-387-23755-0, Jan 2005.
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- 2007** 19. Establishing the foundation of collaborative networks, (L.M. Camarinha-Matos, H. Afsarmanesh, P. Novais, C. Analide, Editors), ISBN: 978-0-387-73797-3, IFIP Vol. 243, Springer, 2007.
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21. Pervasive Collaborative Networks, (L.M. Camarinha-Matos, W. Picard, Editors), Springer, New York, 2008.
- 2009** 22. Leveraging Knowledge for Innovation in Collaborative Networks, (L.M. Camarinha-Matos, I. Paraskakis, H. Afsarmanesh, Editors), IFIP AICT 307, Springer, 2009.
- 2010** 23. Emerging Trends in Technological Innovation, (L.M. Camarinha-Matos, P. Pereira, L. Ribeiro, Editors), IFIP AICT 314, Springer, 2010.
24. Collaborative Networks for a Sustainable World, (L.M. Camarinha-Matos, X. Boucher, H. Afsarmanesh, Editors), IFIP AICT Series 336/2010, Springer.

## 5.2 Special issues of journals

Guest editor or co-editor of the following special issues:

- 1992** 1. Revista Robótica e Automatização ("Proceedings" do Workshop Iberoamericano de Sistemas Autônomos em Robótica e CIM), N.10, Oct. 92.
- 1994** 2. Journal Studies on Informatics and Control, Special issue on ECLA.CIM'93, Vol. 3, N. 2-3, Sep. 94.
- 1995** 3. International Journal of Computer Integrated Manufacturing, Special issue on CIM Taxonomies, Vol. 8, N. 3, May-Jun 95.
- 1996** 4. Journal Studies in Informatics and Control, Special issue on Balanced Automation Systems, Vol. 5, N. 2, May 96.
5. Journal Studies in Informatics and Control, Special issue on Robot Learning, Vol. 5, N. 3, Sep 96.
- 1999** 6. Journal Robotics and Autonomous Systems (Elsevier), Special issue on Multi-Agent Systems Applications, Vol. 27, N. 1-2, 30 April 99.
7. Journal of Intelligent and Robotic Systems (Kluwer Academic), Special issue on Intelligent Manufacturing Systems, Vol. 26, Issue 3/4, Novembro 99, ISBN 0921-0296.
- 2001** 8. Journal of Intelligent Manufacturing (Kluwer Academic), Special issue on Virtual Enterprises, Vol. 12, N.2, ISSN 0956-5515, Apr 2001.
- 2003** 9. International Journal of Networking and Virtual Organizations (Inderscience), Special issue on Brokerage and contract negotiation, Vol. 2, N. 1, Aug 2003.
- 2004** 10. International Journal of Networking and Virtual Organizations (Inderscience), Special issue on Infrastructures for New Virtual Organisations, Vol. 2, N. 3, Oct 2004.
- 2007** 11. Journal of Intelligent Manufacturing (Springer), Special Issue: on Modeling approaches and frameworks for collaborative networks, L. M. Camarinha-Matos (Guest editor), Volume 18, Number 5 / Oct 2007.
- 2008** 12. International Journal of Production Research, Special issue on Enhancing Performance in Industrial Collaborative Networks—a Selection of Papers from the PRO-VE'06 Conference, H. Afsarmanesh, L. M. Camarinha-Matos (Guest editors), Volume 46 Issue 5 2008.
13. Journal of Robotics and Computer-Integrated Manufacturing, Special issue on multi-agent and holonic systems in manufacturing, Weiming Shen, Luis M. Camarinha-Matos and Robert Brennan (Guest editors), Volume 24, Issue 5, Oct 2008.
- 2009** 14. International Journal of Information Technology and Management (IJITM), Special issue on Information Management for Collaborative Networks, X. Boucher, L.M. Camarinha-Matos and H. Afsarmanesh (Guest editors), Volume 8, Issue 3, 2009.
- 2010** 15. Journal of Intelligent Manufacturing (Springer), Special Issue on Trust, Value Systems and Governance in Collaborative Networks, L.M. Camarinha-Matos and Arturo Molina (Guest Editors), Volume 21, Number 3 / June, 2010.