

Sven-Arne Andréasson: International publications

Invited book chapter

- [1] A. Adlemo, S.-A. Andréasson, “Fault Tolerance in Flexible Manufacturing Systems”, in *Modern Manufacturing: Information Control and Technology*, Springer Verlag - Advanced Manufacturing Series, Eds. Zaremba & Prasad, 1994, pp 287-326.
(invited chapter, 40 pages)

Journal papers

- [2] A. Adlemo, S.-A. Andréasson, “Models for Fault Tolerance in Manufacturing Systems”, *Journal of Intelligent Manufacturing*, vol. 3, no. 1, February 1992, pp. 1-10.
- [3] A. Adlemo, S.-A. Andréasson, M. I. Johansson, “Fault Tolerance Strategies in an Existing FMS Installation”, *Control Engineering Practice*, vol. 1, no. 1, February 1993, pp. 127-134.
- [4] A. Adlemo, S.-A. Andréasson, “Fault Tolerance in Partitioned Manufacturing Networks”, *Journal of Systems Integration*, vol.3, no. 1, March 1993, pp. 63-84.
- [5] A. Adlemo, S.-A. Andréasson, M. Fabian, P. Gullander, B. Lennartsson, “Towards a Truly Flexible Manufacturing System”, *Control Engineering Practice*, vol. 3, no. 4, April. 1995, pp 545-554.
- [6] A. Adlemo, S.-A. Andréasson, “A Dependability Taxonomy for Intelligent Manufacturing Systems”, *International Journal of Computer Integrated Manufacturing*, vol. 8, no 3, 1995, pp 189-196.
- [7] A. Adlemo, S.-A. Andréasson, “Balanced Automation in Flexible Manufacturing Systems”, in *International Journal of Studies in Informatics and Control*, vol. 5, no. 2, June 1996, pp. 179-187.
- [8] A. Adlemo, S.-A. Andréasson, P. Gullander, M. Fabian, B. Lennartsson, “Operator Control Activities in Flexible Manufacturing Systems”, in *International Journal of Computer Integrated Manufacturing*, vol. 10, no. 1, 1997, pp. 221-231.
- [9] P. Gullander, S.-A. Andréasson, A. Adlemo, “Database Design for Flexible Manufacturing Cells”, *Control Engineering Practice*, vol. 6, no. 11, November 1998, pp. 1411-1420.

Invited conference papers

- [10] A. Adlemo, S.-A. Andréasson, “Communication Protocols and Failure Semantics in a Material-Driven Intelligent Manufacturing Systems”, presented at the AAAI 1994 Spring Symposium on *Detecting and Resolving Errors in Manufacturing Systems*, Stanford University, California, U.S.A., March 1994.
(invited paper)

- [11] A. Adlemo, S.-A. Andréasson, “Fault Tolerance Aspects in Computerized Systems”, in proceedings of *MELECON’94 Mediterranean Electrotechnical Conference*, IEEE, Antalya, Turkey, April 1994, pp. 1024-1028.
(invited paper)
- [12] A. Adlemo, S.-A. Andréasson, “Dependability in Distributed Computerized Manufacturing Systems”, in proceedings of *MELECON’94 Mediterranean Electrotechnical Conference*, IEEE, Antalya, Turkey, April 1994. pp. 1041-1045.
(invited paper)
- [13] A. Adlemo, S.-A. Andréasson, M. Fabian, P. Gullander, B. Lennartsson, “Towards a True Flexible Manufacturing System”, in proceedings of *the 10th ISPE/IFAC Conference on CAD/CAM, Robotics and Factories of the future*, Ottawa, Canada, August 1994, pp. 401-410.
(invited paper)
- [14] A. Adlemo, S.-A. Andréasson, M. Fabian, P. Gullander, B. Lennartsson, “Control System Support for Manual Interaction in Flexible Manufacturing Systems”, in proceedings of *the International Conference on Recent Advances in Mechatronics*, Istanbul, Turkey, August 1995, pp. 333-339.
(invited paper)
- [15] S.-A. Andréasson, A. Adlemo, M. Fabian, P. Gullander, B. Lennartsson, “Database Design for Machining Cell Level Product Specification”, in proceedings of *IECON’95, 1995 IEEE 21st International Conference on Industrial Electronics, Control, and Instrumentation*, Orlando, U.S.A., November 1995, pp 121-126.
(invited paper)
- [16] P. Gullander, A. Adlemo, S.-A. Andréasson, “Fault Handling in Flexible Machining Cells”, *World Automation Congress (WAC96): Robotic and Manufacturing Systems (Vol 3)*, Montpellier, France, May 1996, pp 319-326.
(invited paper)
- [17] A. Adlemo, S.-A. Andréasson, “A Fault-Tolerant Cell Control System”, WAC’98, Anchorage, May 1998.
Robotics and Manufacturing Systems, Volume 7, Proceedings of ISORA ’98 Symposium, TSI Press, Albuquerque, NM, USA, pp. 1-8.
(invited paper)
- [18] A. Hellgren, S.-A. Andréasson, P. Gullander, M. Fabian, B. Lennartsson, “Database Design for Machining Cell Resource Models”, IFAC Large Scale Systems 1998 conference, IFAC LSS’98, Patras, July 1998. Preprints pp 1205-1210. Proceedings will appear.
(invited paper)
- [19] B. Lennartsson, M. Tittus, M. Fabian, A. Hellgren, S.-A. Andréasson, “Specification Structures for Supervisory Control”, WODES’98.
(invited paper)

- [20] A. Adlemo, S.-A. Andréasson, “Fault Handling in the CHAMP System”, in proceedings (CD) of ANS 8th Topical Meeting on Robotics & Remote Systems, Pittsburgh, PA USA, April 25-29, 1999.
(invited paper)

Regular conference papers

- [21] S.-A. Andréasson, C. Carlsson, “The PLURIX Distributed Filesystem”, in proceedings of *the 8th International Computing Symposium*, Florence, Italy, March 1985, pp. 3-9.
- [22] S.-A. Andréasson, “Minimizing a Virtual Control Token Ring”, in proceedings of *the 1st International Workshop on Distributed Algorithms on Graphs*, Ottawa, Canada, August 1985, pp. 13-26.
- [23] S.-A. Andréasson, C. Carlsson, “On Partitions in Distributed Filesystems”, in proceedings of *the 1st Pacific Computer Communications Symposium*, Seoul, Korea, October 1985, pp. 296-302.
- [24] A. Adlemo, S.-A. Andréasson, T. Andréasson, C. Carlsson, A. Dahlberg and G. Lindberg, “A Recursive Model for Analyzing Fault Tolerance in Manufacturing Systems”, in proceedings of *the 12th International Conference on Fault-Tolerant Systems and Diagnostics*, Prague, Czechoslovakia, September 1989, pp. 56-61.
- [25] S.-A. Andréasson, T. Andréasson, C. Carlsson, “An Abstract Data Type for Fault Tolerant Control Algorithms in Manufacturing Systems”, *Information Control Problems in Manufacturing Technology*, E. A. Puente and L. Nemes (Eds.), IFAC Proceedings Series, Pergamon Press, Oxford, U.K., no. 13, 1990, pp. 51-56.
- [26] A. Adlemo, S.-A. Andréasson, T. Andréasson, C. Carlsson, “Achieving Fault Tolerance in Factory Automation Systems by Dynamic Configuration”, in proceedings of *the 1st International Conference on Systems Integration*, Morristown, U.S.A., April 1990, pp. 396-402.
- [27] A. Adlemo, S.-A. Andréasson, C. Carlsson, “A Model for Network Partitionings with Caching in Manufacturing Systems”, in proceedings of *the 10th SCCC International Conference on Computer Science*, Santiago de Chile, Chile, July 1990, pp. 195-206.
- [28] A. Adlemo, S.-A. Andréasson, “Fault Tolerant Information Distribution in Partitioned Manufacturing Networks”, in proceedings of *the 1991 IEEE International Conference on Robotics and Automation, ICRA'91*, Sacramento, U.S.A., April 1991, pp. 2238-2245.
- [29] A. Adlemo, S.-A. Andréasson, “Fault Detection in Manufacturing Systems with Data Network Partitions”, in proceedings of *the 1992 IEEE International Conference on Robotics and Automation, ICRA'92*, Nice, France, May 1992, pp. 975-980.
- [30] A. Adlemo, S.-A. Andréasson, “Failure Semantics in Intelligent Manufacturing Systems”, in proceedings of *the 1993 IEEE International Conference on Robotics and Automation, ICRA'93*, Atlanta, U.S.A., May 1993, vol. 2, pp. 166 - 173.

- [31] A. Adlemo, S.-A. Andréasson, M. I. Johansson, "Information Accessibility and Reliability Improvement in an Automated Kitting System", in proceedings of *the 12th World Congress of the International Federation of Automatic Control, IFAC'93*, Sydney, Australia, July 1993, pp. 99-106.
- [32] A. Adlemo, S.-A. Andréasson, "Communication Protocols and Failure Semantics in Intelligent Manufacturing Systems", in proceedings of *the 1994 IEEE International Conference on Robotics and Automation, ICRA'94*, San Diego, U.S.A., May 1994, pp. 3453-3458.
- [33] A. Adlemo, S.-A. Andréasson, "Two Strategies for Improved Availability in Partitioned Computerized Systems", *Safeprocess'94*, Esbo, Finland, June 1994. Preprint volume pp 778-783. IFAC Symposium Postprint Volume pp. 749-754.
- [34] A. Adlemo, S.-A. Andréasson, E. Jonsson, "Dependability Improvement in Computerized Manufacturing Systems", *Intelligent Automation and Soft Computing*, M. Jamshidi, C.G. Nguyen, R. Lumia and J. Yuh (Eds.), TSI Press, Albuquerque, USA, Vol 1, 1994, pp. 1-6.
- [35] P. Gullander, M. Fabian, S.-A. Andréasson, B. Lennartsson, A. Adlemo, "Generic Resource Models and a Message-Passing Structure in an FMS Controller", in proceedings of *the 1995 IEEE International Conference on Robotics and Automation, ICRA'95*, Nagoya, Japan, May 1995, pp. 1447-1454.
- [36] A. Adlemo, S.-A. Andréasson, "Improved Availability in Manufacturing Systems through Graceful Degradation: Case Study of a Machining Cell", in proceedings of *the 1995 IEEE International Conference on Robotics and Automation, ICRA'95*, Nagoya, Japan, May 1995, pp. 1744-1750.
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- [44] A. Adlemo, S.-A. Andréasson, “Debugging Support for Flexible Manufacturing Systems”, in proceedings of *the 1996 IEEE International Conference on Robotics and Automation, ICRA'96*, Minneapolis, U.S.A., April 1996, pp. 521-526.
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- [46] S.-A. Andréasson, “Using Databases for Real-Time Systems”, Proceedings of the IFAC Workshop on Real-Time Programming, WRTP'96, Gramado, RS, Brazil, 4-6 November 1996. Published by Pergamon, Elsevier Science.
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- [51] A. Adlemo, S.-A. Andréasson, “Operator Control Flow Interaction with a Cell Control System”, in proceedings of *the International Symposium on Manufacturing Systems (ISMS'97)*. Editors: S. Nahavandi & M. Saadat. ICSC Academic Press, Auckland, November 1997, pp. 104-112.

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- [56] S.-A. Andréasson, A. Adlemo, “Database Model Update Ordering for Fault Handling in Manufacturing Cells”, the IFAC Workshop on Real Time Programming 2000, W RTP'2000, Palma de Mallorca, May 17-19, 2000. In Proceedings edited by A. Crespo, J. Vila, published by PERGAMON, Elsevier Science.
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- [59] S.-A. Andréasson, “Implementation in Java of The Champ Dispatcher”, the 6th IFAC Workshop on Intelligent Manufacturing Systems, IMS 2001, Poznan, Poland. April 2001.
Preprints pp 11-16
Proceedings will appear.
- [60] S.-A. Andréasson, “Commands and States in the Champ Dispatcher”, will appear in Proceedings of *Information Control Problems in Manufacturing Technology, INCOM'01*, Vienna. September 2001.
- [61] S.-A. Andréasson, J. Valdman, “Redesign of CHAMP Control System Using SOFA Components”, will appear in Proceedings of the *ISPE/IFAC Conference on CAD/CAM, Robotics and Factories of the future, CARS-FOF'02*, Porto, July 2002.

In the pipeline:

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