



# Business Process Automation – Where to look?

August 5<sup>th</sup>, 2004

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# Websites to get started

- [www.e-workflow.org](http://www.e-workflow.org)
  - Case Studies
- [www.workflow-research.de](http://www.workflow-research.de)
  - Discussion Forum & Papers (& this Tutorial)
- [www.processmining.org](http://www.processmining.org)
  - Tools & Papers
- [www.workflowdownload.com](http://www.workflowdownload.com)
  - Links to demo versions of commercial systems
- <http://dmoz.org/Computers/Software/Workflow/>
  - Directory of workflow web sites

# Standards and Open Source Projects

- [www.wfmc.org](http://www.wfmc.org)
  - Glossary, XPD, Wf-XML
- [www.bpml.org](http://www.bpml.org)
  - BPML
- [www.bpmn.org](http://www.bpmn.org)
  - BPMN
- [www.oasis-open.org](http://www.oasis-open.org)
  - ASAP, BPEL, BPSS
- [www.w3c.org](http://www.w3c.org)
  - WS-CDL working group
- [www.omg.org](http://www.omg.org)
  - Workflow Facility
- [jawe.objectweb.org](http://jawe.objectweb.org)
  - XPD editor
- [enhydra.objectweb.org](http://enhydra.objectweb.org)
- [www.jbpm.org](http://www.jbpm.org)
- [www.openbusinessengine.org](http://www.openbusinessengine.org)
- [bonita.objectweb.org](http://bonita.objectweb.org)
- [xflow.sourceforge.net](http://xflow.sourceforge.net)
- [wfmopen.sourceforge.net](http://wfmopen.sourceforge.net)

# Good Introductory Articles

- van der Aalst, W. M. P.; ter Hofstede, A. H. M.; Kiepuszewski, B.; Barros, A. P.: Workflow Patterns. *Distributed and Parallel Databases*, 14 (2003) 3, pp. 5-51.
- van der Aalst, W. M. P.: The Application of Petri Nets to Workflow Management. *The Journal of Circuits, Systems and Computers*, 8 (1998) 1, pp. 21-66.
- Basu, A.; Kumar, A.: Research Commentary: Workflow Management Issues in e-Business. *Information Systems Research*, 13 (2002) 1, pp. 1-14.
- Kumar, A.; Zhao, J. L.: Workflow support for electronic commerce applications. *Decision Support Systems*, 32 (2002) 3, pp. 265-278.
- Stohr, E. A.; Zhao, J. L.: Workflow Automation: Overview and Research Issues. *Information Systems Frontiers*, 3 (2001) 3, pp. 281-296.
- zur Muehlen, M.: Evaluation of Workflow Management Systems Using Meta Models. In: 32nd Hawaii International Conference on Systems Sciences (HICSS 1999). Ed.: Ralph Sprague, Jr., Wailea, HI, 1999.

# History

- Zisman, M.: Representation, Specification, and Automation of Office Procedures. PhD Thesis, Wharton Business School, University of Pennsylvania, Philadelphia (PA) 1977.
- Ellis, C. A.; Nutt, G. J.: Office Information Systems and Computer Science. *ACM Computing Surveys*, 12 (1980) 1, pp. 27-60.
- Suchman, L. A.: Plans and Situated Actions. The problem of human machine communication. Cambridge (MA) 1987.
- Medina-Mora, R.; Winograd, T.; Flores, R.; Flores, F.: The Action Workflow Approach to Workflow Management Technology. In: Proceedings of the 1992 Conference on Computer Supported Cooperative Work (CSCW '92). New York (NY), 1992, pp. 281-288.
- Abbott, K. R.; Sarin, S. K.: Experiences with VWorkflow Management: Issues for the Next Generation. In: Proceedings of the conference on Computer supported cooperative work. Chapel Hill, 1994, pp. 113-120.
- Georgakopolous, D.; Hornick, M.; Sheth, A.: An Overview of Workflow Management: From Process Modeling to Workflow Automation Infrastructure. *Distributed and Parallel Databases*, 3 (1995) 2, pp. 119-153.

# Books

- van der Aalst, W. M. P.; van Hee, K.: Workflow Management. Models, Methods, and Systems. MIT Press, Cambridge, MA 2002.
- Jablonski, S.; Bussler, C.: Workflow Management. Modeling Concepts, Architecture and Implementation. Thomson, London et al. 1996. (out of print, but good)
- Leymann, F.; Roller, D.: Production Workflow: Concepts and Techniques. Prentice Hall, Upper Saddle River (NJ) 2000.
- Reijers, Hajo A.: Design and Control of Workflow Processes: Business Process Management for the Service Industry (Lecture Notes in Computer Science, 2617), Springer, Berlin 2003.
- zur Muehlen, M.: Workflow-based Process Controlling. Foundation, Design, and Implementation of Workflow-driven Process Information Systems. Logos, Berlin 2004. (yeah, I know... shameless marketing)
- Proceedings of BPM 2003 and 2004 (Springer LNCS)
- Fischer, L. (Ed.): Excellence in Practice Series (several volumes), Future Strategies, Lighthouse Point (FL).
- Fischer, L. (Ed.): Workflow Handbook (editions 2000-2004). Future Strategies, Lighthouse Point (FL).