

# Web Engineering Resources

The following are some useful resources on Web engineering.

## 1 Books

1. J.R. Burdman, Collaborative Web Development: Strategies and Best Practices for Web Teams, Addison Wesley Longman, Reading, Mass., 1999.
2. S. Dart, Configuration Management: A Missing Link in Web Engineering, Arttech House, Norwood, Mass., 2001.
3. D. Lowe and W. Hall, Hypermedia and the Web: An Engineering Approach, John Wiley & Sons, New York, 1999.
4. D.A. Menasce and V.A.F. Almeida, Capacity Planning for Web Performance: Metrics, Models, and Methods, Prentice Hall, Upper Saddle River, N.J., 1998.
5. D.A. Menasce and V.A.F. Almeida, Scaling for E-Business: Technologies, Models, Performance and Capacity Planning, Prentice Hall, Upper Saddle River, N.J., 2000.
6. D.J. Mosley, Client-Server Software Testing on the Desk Top and the Web, Prentice Hall, Upper Saddle River, N.J., 1999.
7. J. Nielsen, Designing Web Usability: The Practice of Simplicity, New Riders Publishing, Indianapolis, Ind., 1999.
8. T.A. Powell, Web Site Engineering: Beyond Web Page Design, Prentice Hall, Upper Saddle River, N.J., 1998.
9. T.A. Powell, Web Design: The Complete Guide, McGraw-Hill, New York, 2000.
10. L. Rosenfeld and P. Morville, Information Architecture for the World Wide Web, O'Reilly & Associates, Sebastopol, Calif., 1998.
11. D. Sano, Designing Large-Scale Web Sites: A Visual Design Methodology, Wiley Computer, New York, 1996.
12. D. Siegel, Secrets of Successful Web Sites: Project Management on the World Wide Web, Hayden Books, 1997.

## 2 Special issues

1. Web Engineering, *IEEE MultiMedia*, Jan.-Mar. 2001 (Part 1) and April-June 2001 (Part 2); <http://www.computer.org/multimedia/mu2001/u1toc.htm>  
<http://www.computer.org/multimedia/mu2001/u2toc.htm>

## 3 General articles

1. R.S. Pressman, "Can Internet-Based Applications be Engineered?" *IEEE Software*, vol. 15, no. 5, Sept./Oct. 1998, pp 104-110.
2. R.S. Pressman, "What a Tangled Web We Weave," *IEEE Software*, Jan./Feb. 2001, vol. 18, no. 1, pp. 18-21.

## 4 Technical Articles

1. Iyengar, et al., High-Performance Web Site Design, *IEEE Internet Computing*, March-April 2000.
2. V. Balasubramanian, et al., A Systematic Approach to Designing a WWW Application, *Comm of ACM*, Vol. 38., No 8, August 1995, pp 47-48.
3. S.A. Becker and F. E. Mottay, A Global Perspective on Web Site Usability, *IEEE Software*, Jan/Feb 2001, Vol. 18, No 1, pp 54 – 61.
4. V. Cardellini, M. Colajanni and P.S. Yu, Dynamic Load Balancing on Web-Server Systems, *IEEE Internet Computing*, Vol. 3; No. 3, May-June 1999, pp 28-39.
5. M.H. Cloyd, Designing User-Centered Web Applications in Web Time, *IEEE Software*, Jan/Feb 2001, Vol. 18, No 1, pp 62-69.
6. P. Fraternali, Tools and approaches for developing data-intensive Web applications: a survey; *ACM Computing Surveys*. 31, 3, Sep. 1999, Pages 227 – 263.
7. H. Gellersen, and M. Gaedke, Object-Oriented Web Application Development, *Internet Computing*, January-February, 1999, pp 60-68.
8. D.B. Ingham, and S.K. Shrivastava, and F. Panzieri, Constructing Dependable Web Services, *IEEE Internet Computing*, Vol.4, No. 3, Jan-Feb 2000, pp 25-33
9. F. Manola, Technologies for a Web Object Model, *Internet Computing*, January-February, 1999, pp 60-68.
10. D. Reifer, Web Development: Estimating Quick-t0-Market Software, *IEEE Software*, Nov./Dec. 2000, pp 57-64.
11. P.R. Vora, Design/Methods Tools Designing for the Web: a survey, *ACM Interactions* 5, 3 May. 1998, Pages 13 – 30.

## 5 Web Sites

1. Web Engineering Homepage; <http://aeims.uws.edu.au/WebEhome/>
2. WebEngineering.org Community Homepage; <http://www.webengineering.org/>
3. Web Engineering Resources, R.S. Pressman and Associates, <http://www.rsps.com/spi/webe.html>
4. World Wide Web Consortium; <http://www.w3.org/>
5. Internet Engineering Task Force; <http://www.ietf.org>
6. Web Standards; <http://www.webstandards.org>

## 6 Workshop Proceedings

1. *Proc. First Int'l Workshop on Web Engineering (WWW7 Conference)*, Univ. of Western Sydney, Australia, April 1998, <http://fistserv.macarthur.uws.edu.au/san/WebE98>.
2. *Proc. Second Int'l Workshop on Web Engineering (WWW8 Conference)*, Univ. of Wollongong, Wollongong, Australia, May 1999, [http://budhi.uow.edu.au/web-engineering99/web\\_engineering.html](http://budhi.uow.edu.au/web-engineering99/web_engineering.html).

3. *Proc. Third Int'l Workshop on Web Engineering (WWW9 Conference)*, May 2000. Also published in *Web Engineering* (Lecture Notes in Computer Science), S. Murugesan and Y. Deshpande, eds., Springer Verlag, Heidelberg, Germany, 2001.
4. *Proc. First Int'l Conf. Software Engineering (ICSE) Workshop on Web Engineering*, Univ. of Western Sydney, Australia, May 1999, <http://fistserv.macarthur.uws.edu.au/san/icse99-webe/>.
5. *Proc. Second ICSE Workshop on Web Engineering*, June 2000, Also published in *Web Engineering* (Lecture Notes in Computer Science), S. Murugesan and Y. Deshpande, eds., Springer Verlag, Heidelberg, Germany, 2001.

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