

References

- Aamodt, A. and Plaza, E. (1994) **Case-based reasoning: foundational issues, methodological variations, and system approaches**, *Artificial Intelligence Communications*, 7(1): 39-59.
- Abowd, G. D., Atkeson, C. G., Hong, J., Long, S., Kooper, R. and Pinkerton, M. (1997) **CyberGuide: a mobile context-aware tour guide**, *Wireless Networks*, 3(5): 421-433.
- Abowd, G. D., Dey, A. K., Brown, P. J., Davies, N., Smith, M. and Steggles, P. (1999) **Towards a better understanding of context and context awareness**, *Proceedings of the 1st International Symposium on Handheld and Ubiquitous Computing, Karlsruhe, Germany*, Springer-Verlag, pp. 304-307.
- Addlesee, M., Curwen, R., Hodges, S., Newman, J., Steggles, P., Ward, A. and Hopper, A. (2001) **Implementing a sentient computing system**, *Computer*, 34(8): 50-56.
- Balakrishnan, H. and Priyantha, N. B. (2003) **The Cricket indoor location system: experience and status**, *Proceedings of the 2003 Workshop on Location Aware Computing, Seattle, Washington, USA.*, ACM Press, pp. 7-9.
- Bauer, T. and Leake, D. B. (2001) **WordSieve: a method for real-time context extraction**, *Proceedings of the 3rd International and Interdisciplinary Conference on Modelling and Using Context, Dundee, UK*, Springer-Verlag, pp. 30-44.
- Beckwith, R. (2003) **Designing for ubiquity: the perception of privacy**, *IEEE Pervasive Computing*, 2(2): 40-46.
- Bellavista, P., Corradi, A., Montanari, R. and Stefanelli, C. (2006) **A mobile computing middleware for location and context-aware internet data services**, *ACM Transactions on Internet Technology*, 6(4): 356-380.
- Biegel, G. and Cahill, V. (2004) **A framework for developing mobile, context-aware applications**, *Proceedings of the 2nd IEEE Annual Conference on Pervasive Computing and Communications, Orlando, Florida, USA*, IEEE Computing Society Press, pp. 361-365.
- Borriello, G. and Deshpande, N. (2002) **Location-aware computing: creating innovative and profitable applications and services**, *Intel Developer Magazine*, December 2002, pp. 1-6.
- Bray, J. and Sturman, C. F. (2002) **Bluetooth 1.1: Connect Without Cables**, Prentice Hall, 624 pp.
- Brown, P. J. (1995) **The Stick-e document: a framework for creating context aware applications**, *Electronic Publishing*, 8(3): 259-272.
- Brown, P. J. and Jones, G. J. F. (2001) **Context-aware retrieval: exploring a new environment for information retrieval and information filtering**, *Personal and Ubiquitous Computing*, 5(4): 253-263.
- Brown, P. J. and Jones, G. J. F. (2002) **Exploiting contextual change in context-aware retrieval**, *Proceedings of the 2002 ACM Symposium on Applied Computing, Madrid, Spain*, ACM Press, pp. 650-656.

- Cadman, J. (2003) **Deploying commercial location-aware systems**, *Proceedings of the 2003 Workshop on Location Aware Computing, Seattle, Washington, USA*, ACM Press, pp. 4-6.
- Chen, G. and Kotz, D. (2000) **A survey of context-aware mobile computing research**. Dartmouth Computer Science Faculty. *Hanover, New Hampshire, USA*. pp. 1-16.
- Chen, G., Li, M. and Kotz, D. (2004) **Design and implementation of a large-scale context fusion network**, *Proceedings of the 1st Annual International Conference on Mobile and Ubiquitous Systems: Networking and Services, Boston, Massachusetts, USA*, IEEE Computing Society, pp. 246-255.
- Cheverst, K., Davies, N., Mitchell, K. and Friday, A. (2000) **Experiences of developing and deploying a context-aware tourist guide: the GUIDE project**, *Proceedings of the 6th Annual International Conference on Mobile Computing and Networking, Boston, Massachusetts, USA*, ACM Press, pp. 20-31.
- Clancey, W. J. (1995) **A tutorial on situated learning**, in J. A. Self (eds), *Proceedings of the International Conference on Computers and Education, Taiwan*, pp. 49-70.
- Clancey, W. J. (1997) **Situated Cognition: On Human Knowledge and Computer Representations**, Cambridge University Press, 426 pp.
- Connolly, J. H. (2001) **Context in the study of human languages and computer programming languages**, *Proceedings of the 3rd International and Interdisciplinary Conference on Modeling and Using Context, Dundee, UK*, Springer-Verlag, pp. 116-128.
- Dearman, D. (2004) **Let's rendezvous: application of location-aware computing**, *Proceedings of the 2004 Workshop on Location Aware Computing, Nottingham, UK*, ACM Press, pp. 3.
- Dey, A. K. and Abowd, G. D. (1997) **CyberDesk: the use of perception in context-aware computing**, *Proceedings of 1st Workshop on Perceptual User Interfaces, Banff, Canada*, pp. 26-27.
- Dey, A. K., Abowd, G. D. and Salber, D. (1999a) **A context-based infrastructure for smart environments**, *Proceedings of the 1st International Workshop on Managing Interactions in Smart Environments, Dublin, Ireland*, IEEE Computer Society Press, pp. 114-128.
- Dey, A. K., Salber, D., Abowd, G. D. and Futakawa, M. (1999b) **The conference assistant: combining context-awareness with wearable computing**, *Proceedings of the 3rd IEEE International Symposium on Wearable Computers, San Francisco, California, USA*, IEEE Computer Society Press, pp. 21-28.
- Dey, A. K. and Abowd, G. D. (2000) **CybreMinder: a context-aware system for supporting reminders**, *Proceedings of the 2nd International Symposium on Handheld and Ubiquitous Computing, Bristol, UK*, Springer-Verlag, pp. 172-186.
- Dey, A. K. (2001) **Understanding and using context**, *Personal and Ubiquitous Computing*, 5(1): 4-7.
- Dey, A. K., Abowd, G. D. and Salber, D. (2001) **A conceptual framework and a toolkit for supporting the rapid prototyping of context-aware applications**, *Human Computer Interaction*, 16(2-4): 97-166.
- Ebling, M. R., Hunt, G. D. H. and Lei, H. (2001) **Issues for context services for pervasive computing**, *Proceedings of the Advanced Workshop on Middleware for Mobile Computing, Heidelberg, Germany*, IBM Corporation, pp. 1-6.

- Gero, J. S. (1999) **Constructive memory in design thinking**, in G. Goldschmidt and W. Porter (eds), *Design Thinking Research Symposium: Design Representation*, MIT, Cambridge, pp. 29-35.
- Gero, J. S. (2003) **Situated computing: a new paradigm for design computing**, in A. Choutgrajank, E. Charoensilp, K. Keatruangkamala and W. Nakapan (eds), *Proceedings of the 8th Computer Aided Architectural Design Research In Asia (CAADRRIA)*, Bangkok, Thailand, pp. 579-587.
- Hannon, C., Huber, M. and Burnell, L. (2005) **Research to classroom: experiences from a multi-institutional course in smart home technologies**, *Proceedings of the 36th SIGCSE Technical Symposium on Computer Science Education, St. Louis, Missouri, USA*, ACM Press, pp. 121-125.
- Hazas, M., Scott, J. and Krumm, J. (2004) **Location-aware computing comes of age**, *Computer*, **37**(2): 95-97.
- Henricksen, K., Indulska, J., McFadden, T. and Balasubramaniam, S. (2005) **Middleware for distributed context-aware systems**, *International Symposium on Distributed Objects and Applications*, **3760**(1): 846-863.
- Henricksen, K. and Indulska, J. (2006) **Developing context-aware pervasive computing applications: models and approach**, *Journal of Pervasive and Mobile Computing*, **2**(1): 37-64.
- Hirsh, H., Coen, M. H., Mozer, M. C., Hasha, R. and Flanagan, J. L. (1999) **Room service, AI-style**, *IEEE Intelligent Systems and Their Applications*, **14**(2): 8-19.
- Hong, J. I. and Landay, J. A. (2001) **An infrastructure approach to context-aware computing**, *Human Computer Interaction*, **16**(2): 401-419.
- Hong, J. I. and Landay, J. A. (2004) **An architecture for privacy-sensitive ubiquitous computing**, *Proceedings of the 2nd International Conference on Mobile Systems, Applications, and Services, Boston, Massachusetts, USA*, ACM Press, pp. 177-189.
- Hopkins, B. and Antony, R. (2003) **Bluetooth for Java**, Apress Publishers, 352 pp.
- Hull, R., Neaves, P. and Bedford-Roberts, J. (1997) **Towards situated computing**, *Proceedings of 1st International Symposium on Wearable Computers, Massachusetts, USA*, Springer-Verlag, pp. 146-153.
- Intille, S. S., Larson, K. and Kukla, C. (2002) **Just-in-time context-sensitive questioning for preventative health care**, *Proceedings of the AAAI 2002 Workshop on Automation as Caregiver: The Role of Intelligent Technology in Elder Care, Menlo Park, California, USA*, AAAI Press, pp. 1-6.
- James, W. (1892) **Psychology: Briefer Course**, Harvard University Press, 343 pp.
- Jenkins, J. (1974) **Remember that old theory of memory? Well forget it!**, *American Psychologist*, **29**(11): 785-795.
- Jiang, C. and Steenkiste, P. (2002) **A hybrid location model with a computable location identifier for ubiquitous computing**, *Proceedings of the 4th International Conference on Ubiquitous Computing, Göteborg, Sweden*, Springer-Verlag, pp. 246-263.

- Judd, G. and Steenkiste, P. (2003) **Providing contextual information to pervasive computing applications**, *Proceedings of the 1st IEEE International Conference on Pervasive Computing and Communications, Dallas Fort-Worth, Texas, USA*, IEEE Computer Society, pp. 133-142.
- Keogh, J. (2003) **The Complete Reference: J2ME**, McGraw-Hill/Osborne, 747 pp.
- Kindberg, T., Barton, J., Morgan, J., Becker, G., Caswell, D., Debaty, P., Gopal, G., Frid, M., Krishnan, V., Morris, H., Schettino, J., Serra, B. and Spasojevic, M. (2002) **People, places, things: web presence for the real world**, *Mobile Networks and Applications*, 7(5): 365-376.
- Knudsen, J. and Li, S. (2005) **Beginning J2ME: From Novice to Professional (3rd Edition)**, Apress Publishers, 456 pp.
- Kumar, B., Kline, P. and Thompson, T. (2003) **Bluetooth Application Programming with the Java API's**, Morgan Kaufmann Publishers, 498 pp.
- Leake, D. B. (1996) **Case-based Reasoning: Experiences, Lessons and Future Directions**, AAAI Press, 436 pp.
- Leroy, G., Lally, A. M. and Chen, H. (2003) **The use of dynamic contexts to improve casual internet searching**, *ACM Transactions on Information Systems*, 21(3): 229-253.
- Liew, P. S. and Gero, J. S. (2003) **Operational characteristics of a constructive memory system for design agents**, *Proceedings of the 10th International Conference on Computer Aided Architectural Design Futures, Tainan, Taiwan*, Kluwer Academic Publishers, pp. 137-147.
- Liew, P. S. and Maher, M. L. (2004) **Situated case-based reasoning as a constructive memory model for design reasoning**, in H. S. Lee and J. W. Choi (eds), *Proceedings of the 9th Computer Aided Architectural Design Research In Asia (CAADRRIA)*, Yonsei University Press, Seoul, Korea, pp. 199-208.
- Light, J., Pattison, E., Perin, T., Sundar, M. and Want, R. (2003) **Fully distributed location-aware computing**, *Proceedings of the 2003 Workshop on Location Aware Computing, Seattle, Washington, USA*, ACM Press, pp. 28-30.
- Mahmoud, Q. H. (2002) **Learning Wireless Java**, O'Reilly and Associates, 300 pp.
- Mantoro, T. and Johnson, C. (2003) **Location history in a low-cost context awareness environment**, in C. Johnson, P. Montague and C. Steketee (eds), *Proceedings of the Australasian Information Security Workshop Conference on ACSW Frontiers*, Australian Computing Society, Adelaide, South Australia, Australia, pp. 153-158.
- Maximini, K., Maximini, R. and Bergmann, R. (2003) **An investigation of generalized cases**, *Proceedings of the 5th International Conference on Case-Based Reasoning, Trondheim, Norway*, Springer-Verlag, pp. 261-276.
- McCarthy, J. (1986) **Notes on Formalizing Contexts**, *Proceedings of the 5th National Conference on Artificial Intelligence, Los Altos, California, USA*, Morgan Kaufmann, pp. 555-560.
- Mikalsen, M. and Kofod-Peterson, A. (2005) **Representing and reasoning about context in a mobile environment**, *La Revue d'Intelligence Artificielle*, 19(1): 479-498.
- Mynatt, E. D., Essa, I. and Rogers, W. (2000) **Increasing the opportunities for aging in place**, *Proceedings on the 2000 Conference on Universal Usability, Arlington, Virginia, USA*, ACM Press, pp. 65-71.

- Norman, D. (1998) **The invisible computer: why good products can fail, the personal computer is so complex, and information appliances are the solution**, The MIT Press, 316 pp.
- Padovitz, A., Loke, S. W. and Zaslavsky, A. (2004a) **Uncertainty in context-aware computing: appealing to high-level and same-level context for low-level context verification**, *Proceedings of the 1st International Workshop on Ubiquitous Computing, Porto Portugal*, IEEE Computing Society, pp. 62-72.
- Padovitz, A., Loke, S. W., Zaslavsky, A. and Burg, B. (2004b) **Towards a general approach for reasoning about context, situations and uncertainty in ubiquitous sensing: putting geometrical intuitions to work**, *Proceedings of the 2nd International Symposium on Ubiquitous Computing Systems, Tokyo, Japan*, IEEE Computing Society, pp. 1-8.
- Pescovitz, D. (2004) **Location, location, location**, *Intel Developer Magazine*, April 2004, pp. 1-7.
- Ranganathan, A., Román, M., Hess, C., Cerqueira, R., Campbell, R. H. and Nahrstedt, K. (2002) **A middleware infrastructure for active spaces**, *IEEE Pervasive Computing*, 1(4): 74-83.
- Rhodes, B. J. and Starner, T. (1996) **The remembrance agent: a continually running information retrieval system**, *Proceedings of the 1st Practical Application of Intelligent Agents and Multi Agent Technology, Blackpool, UK*, Practical Application Company, pp. 487-495.
- Román, M., Hess, C., Cerqueira, R., Ranganathan, A., Campbell, R. H. and Nahrstedt, K. (2002) **Gaia: a middleware infrastructure for active spaces**, *IEEE Pervasive Computing*, 1(4): 74-83.
- Salber, D., Dey, A. K. and Abowd, G. D. (1999) **The Context Toolkit: aiding the development of context-enabled applications**, *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, Pittsburgh, Pennsylvania, USA*, ACM Press, pp. 434-441.
- Saunders, R. (2002) **Curious Design Agents and Artificial Creativity**, PhD Thesis, *Faculty of Architecture, University of Sydney*, 130 pp.
- Schilit, B., Adams, N. and Want, R. (1994) **Context-aware computing applications**, *Proceedings of the IEEE Workshop on Mobile Computing Systems and Applications, Santa Cruz, California, USA*, IEEE Computing Society, pp. 85-90.
- Schilit, B., LaMarca, A., McDonald, D., Tabert, J., Cadag, E., Borriello, G. and Griswold, W. G. (2003) **Bootstrapping the location-enhanced world wide web**, *Proceedings of the 2003 Workshop on Location Aware Computing, Seattle, Washington, USA*, ACM Press, pp. 1-3.
- Schilit, B. N., Hilbert, D. M. and Trevor, J. (2002) **Context-aware communication**, *IEEE Wireless Communications*, 9(5): 46-54.
- Scott, J. (2004) **Categorising location-aware applications**, *Proceedings of the 2004 Workshop on Location Aware Computing, Nottingham, UK*, ACM Press, pp. 16-17.
- Turney, P. D. (1996) **The management of context-sensitive features: a review of strategies**, *Proceedings of the 13th International Conference on Machine Learning: Workshop on Learning in Context-Sensitive Domains, Bari, Italy*, Morgan Kaufmann Publishers, pp. 60-66.
- Walther, E., Eriksson, H. and Musen, M. A. (1992) **Plug-and-play: construction of task-specific expert-system shells using sharable context ontologies**, *AAAI Workshop on Knowledge Representation Aspects of Knowledge Acquisition, San Jose, California, USA*, Stanford Press, pp. 191-198.

- Want, R., Hopper, A., Falcão, V. and Gibbons, J. (1992) **Active badge location system**, *ACM Transactions on Information Systems*, **10**(1): 91-102.
- Want, R., Schilit, B. N., Adams, N. I., Gold, R., Peterson, K., Goldberg, D., Ellis, J. R. and Weiser, M. (1995) **An overview of the PARCTAB ubiquitous computing experiment**, *IEEE Personal Communications*, **2**(6): 28-43.
- Want, R., Pering, T., Danneels, G., Kumar, M., Sundar, M. and Light, J. (2002) **The personal server: changing the way we think about ubiquitous computing**, *Proceedings of the 4th International Conference on Ubiquitous Computing, Göteborg, Sweden*, Springer-Verlag, pp. 194-209.
- Watson, I. (1997) **Applying Case-Based Reasoning: Techniques for Enterprise Systems**, Morgan Kaufmann Publishers, 612 pp.
- Weiser, M. (1999) **The computer for the 21st century**, *ACM SIGMOBILE Mobile Computing and Communications Review*, **3**(3): 3-11.
- Widmer, G. and Kubat, M. (1993) **Effective learning in dynamic environments by explicit context tracking**, *Proceedings of the European Conference on Machine Learning, Vienna, Austria*, Springer-Verlag, pp. 227-243.
- Yau, S. S., Huang, D., Gong, H. and Seth, S. (2004) **Development and runtime support for situation-aware application software in ubiquitous computing environments**, *Proceedings of the 28th Annual International Computer Software and Applications, Hong Kong, China*, IEEE Computer Society, pp. 452-457.
- Zimmermann, A. (2003) **Context-awareness in user modelling: requirements analysis for a case-based reasoning application**, *The 5th International Conference on Case-Based Reasoning, Trondheim, Norway*, Springer-Verlag, pp. 718-732.