Publications and other Writings

*pretty much a complete listing, but always growing... mostly with links to the papers, some in IEEExplore, SpringerLink or ACM Portal, etc...

Book Chapters, Journal Papers, Conference and Workshop Papers


2. Loke, S.W., Davison, A., and Sterling, L. CiFi: An Intelligent Agent for Citation Finding on the World-Wide Web, Proceedings of the 4th Pacific Rim International Conference on Artificial Intelligence, Cairns, Australia (PRICAI'96), pages 580 - 591. Springer-Verlag Lecture Notes in Artificial Intelligence (LNAI 1114), N. Foo and R. Goebel (eds), August 1996. Also available as the technical report 96/4, as compressed postscript.


47. Krishnaswamy, S., Loke, S.W., and Zaslavsky, A. *Supporting the Optimisation of Distributed Data Mining by Predicting Application Run Times.* Proceedings of the Fourth International Conference on Enterprise Information Systems (ICEIS 2002), April 3-6, Ciudad Real, Spain, pages 374-381. Also published *as a book chapter:*


72. Loke, S.W. Proactive and Reactive Discovery, Composition, and Activation of Localized Services Accessed from Mobile Devices (short paper). (Reviewed and accepted, but was unable to attend) Online proceedings of the (AI2IA 2003), AI Moves to IA: Workshop on Artificial Intelligence, Information Access, and Mobile Computing, August 2003. Paper available online.

1541-4922.
(full citations to come for the following...)


77. Sutandiyo, W., Chhetri, M, B., Krishnaswamy, S., and Loke, S, W. **From m-Gaia to Grasshopper: Engineering Mobile Agent Applications.** Accepted for publication in the Fifth International Conference on Information Integration and Web-based Applications and Services (IIWAS 2003), Jakarta, Indonesia, September.


79. Loke, S.W. and Zaslavsky, A. **Integrated Ambient Services as Enhancement to Physical Marketplaces.** Accepted at HICSS-37 2004 minitrack on Mobile Distributed Information Systems.


83. Krishnaswamy, S., Zaslavsky, A., and Loke, S. W. **A Hybrid Model for Optimising Distributed Data Mining.** Proceedings of the 5th International Workshop on Distributed Computing (IWDC 2003), Lecture Notes in Computer Science (LNCS), Springer-Verlag, Kolkata, India, December. (acceptance rate: 31.4%)


92. Sutandiyo, W., Chhetri, M. B., Krishnaswamy, S., and Loke, S.W. Experiences with Software Engineering of Mobile Agent Applications. Proceedings of ASWEC 2004. See also link to IEEE. (Considers particular details not found in the IIWAS2003 paper) (acceptance rate: 46%)


113. Krishnaswamy, S., Loke, S.W., and Zaslavsky, A. **A Hybrid Model for Improving Response Time in Distributed Data Mining.** (Special Issue on Mobile and Distributed Data Mining) *IEEE Transactions on Systems, Cybernetics and Man (Part B)* 34(6), 2004, pp. 2466-2479.


115. Chhetri, M. B., Krishnaswamy, S., and Loke, S. W. **Smart Virtual Counterparts for Learning Communities.** Proceedings of the 2004 Workshop on Advances in Mobile Learning, to be held in conjunction with the Fifth International Conference on Web Information Systems Engineering (WISE 2004) Brisbane, Australia, November 22 - 24, Lecture Notes in Computer Science (LNCS 3307), Springer Verlag.


121. Loke, S.W., Ling, S., Butler, G., and Gillick, B. **Levels of Abstraction in Programming Device Ecology Workflows.** Proceedings of the 7th International Conference on Enterprise Information Systems (ICEIS2005), Miami, USA.


136. Salim, F., Krishnaswamy, S., Loke, S, W., and Rakotinarainy, A. Context-Aware Agent Based Ubiquitous Data Mining Model for Intersection Safety. Proceedings of the Second International Symposium on Ubiquitous Intelligence and Smart Worlds (UISW 2005) to be held in conjunction with the 2005 IFIP International Conference on Embedded and Ubiquitous Computing (EUC 2005),


140. Loke, S.W. *On Representing Situations for Context-Aware Pervasive Computing: Six Ways to Tell if You are in a Meeting*. Proceedings of COMOREA 2006 @ Percom 2006.


142. Syukur, E. and Loke, S.W. *MHS Learning Services for Pervasive Campus Environments*. Proceedings of PerEl 2006 @ Percom 2006.


*Papers with my affiliation specified as La Trobe University:*


205. Ng, W., Nicholas, H., Loke, S.W., and Torabi, T. **Designing Effective Pedagogical Systems for Teaching and Learning with Mobile and Ubiquitous Devices,** book chapter in Multiplatform E-Learning Systems and Technologies: Mobile Devices for Ubiquitous ICT-Based Education.


211. Loke, S.W., and Almagrabi, A. **Hierarchical Role-Specific Task-Based User Interfaces for the Mobile Phone.** Proceedings of the International Conference on Pervasive Computing Applications (ICPCA-09), Taiwan, R.O.C, 2009. [PDF preprint]


215. Vo, C.C., Chilamkurti, N., Loke, S.W., and Torabi, T. **RADIO-MAMA: an RFID Based Business Process Framework for Asset Management.** Accepted for the *Journal of Network and Computer Applications* (Special Issue on "RFID Technology, Systems and Applications").


217. Loke, S.W., Ling, S., Indrawan, M. and Leung, E. **Q-Aura: a Quantitative Model for Managing Mutual Awareness of Smart Social Artifacts.** Accepted for the *IEEE Transactions on Systems, Man, and Cybernetics (Part A).* [PDF preprint]


221. Vo, C.C., Torabi, T., and Loke, S.W. Towards a Task-Oriented Framework for Smart Spaces. Proceedings of the 5th International Workshop on Artificial Intelligence Techniques for Ambient Intelligence, co-located with the 6th International Conference on Intelligent Environments, Kuala Lumpur, Malaysia, July 2010. [PDF preprint]


223. Nguyen, T., Loke, S.W., Torabi, T., and Lu, H. PlaceComm: A Framework for Ontology Supported Context-Aware Applications in Place-Based Virtual Communities, Journal of Ambient Intelligence and Smart Environments 3(1), 2011, pp. 51-64, IOS Press.


Books Authored/Proceedings (Co-)Edited


Submitted

1. Nguyen, T., Loke, S.W., Torabi, T., and Lu, H. Place-Based Virtual Communities: Ontological Representation and Realization, under review for Journal of Systems and Software.

2. Vo, C.C., Torabi, T., and Loke, S.W. TASKCOM: From Task Models to Task-Oriented User Interactions with Smart Environments, under review for Pervasive and Mobile Computing, Elsevier.

3. Vo, C.C., Torabi, T., and Loke, S.W. A Survey of Task Representations and Their Applicability to Smart Spaces, under review for the Journal of Ambient Intelligence and Smart Environments.


Other Published Writings


- Work in Progress reports in IEEE Pervasive Computing Magazine.

Unpublished Writings


- Loke, S.W. A Brief on Bluetooth (1 page), March 2000.

- Loke, S.W. A Brief on Location Information (2 pages), March 2000.


Theses


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