

PUBLICATIONS

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(A) Refereed Journal Papers:

1. Chon-in Wu, Chao-ming James Teng, Yi-chao Chen, Tung-yun Lin, Hao-hua Chu, and Jane Yung-jen Hsu. Point-of-capture archiving and editing of personal experiences from a mobile device. *ACM/Springer Journal of Personal and Ubiquitous Computing (PUC)*, 11(4: Special Issue on Memory and Sharing of Experiences):235–249, April 2007.
2. Yue Zhang, Kwei-Jay Lin, and Jane Y.J. Hsu. Accountability monitoring and reasoning in service-oriented architectures. *Service Oriented Computing and Applications*, 1:35–50, April 2007.
3. Chih-Fu Chang, Jane Yung-jen Hsu, and Li-Chen Fu. Dynamic game-based analysis for a hybrid multi-agent robotic system. *International Journal of Electronic Business Management (IJEEM)*, 5(1), March 2007.
4. Ting-Hsiang Huang, Jane Yung-jen Hsu, and Bo-jyun Lu. Agent-mediated personal photo sharing. *International Journal of Electronic Business Management (IJEEM)*, 5(1), March 2007.
5. Shun-yuan Yeh, Chon-in Wu, Keng-hao Chang, Hao-hua Chu, and Jane Yung-jen Hsu. The geta sandals: A footprint location tracking system. *ACM/Springer Journal of Personal and Ubiquitous Computing (PUC)*, 3479(special issue on Location- and Context-Awareness), February 2007.
6. Wan-rong Jih, Jane Yung-jen Hsu, Tsu-Chang Lee, and Li-lu Chen. A multi-agent context-aware service platform in a smart space. *Journal of Computers*, 2007.
7. Kwei-Jay Lin, Jane Yung-jen Hsu, Yue Zhang, and Tao Yu. A distributed reputation broker framework for web service applications. *Journal of Electronic Commerce Research*, 7(4), November 2006.
8. Jane Yung-jen Hsu, Kwei-Jay Lin, Tsung-Hsiang Chang, Chien-ju Ho, Han-Shen Huang, and Wan-rong Jih. Parameter learning of personalized trust models in broker-based distributed trust management. *Information Systems Frontiers*, 8(4: Special Issue on Web and Distributed Information Systems):321–333, September 2006.
9. Li-Wei Chan, Wei-Shian Ye, Shou-Chun Liao, Yu-Pao Tsai, Jane Hsu, and Yi-Ping Hung. A flexible display by integrating a wall-size display and steerable projectors. *Lecture Notes in Computer Science*, 4159:21–31, August 2006.
10. Li-wei Chan, Ji-rung Chiang, Yi-chao Chen, Chia-nan Ke, Jane Hsu, and Hao-hua Chu. Collaborative localization: Enhancing wifi-based position estimation with neighborhood links in clusters. *Lecture Notes in Computer Science*, 3968:50–66, May 2006.

11. Keng-hao Chang, Shih-yen Liu, Hao-hua Chu, Jane Hsu, Cheryl Chen, Tung-yun Lin, Chieh-yu Chen, and Polly Huang. The diet-aware dining table: Observing dietary behaviors over a tabletop surface. *Lecture Notes in Computer Science*, 3968:366–382, May 2006.
12. I-Jen Chiang, Ming-Jium Shieh, Jane Yung-jen Hsu, and Jau-Min Wong. Building a medical decision support system for colon polyp screening by using fuzzy classification trees. *Journal of Applied Intelligence*, 22(1):61–75, 2005. SCI.
13. Wei-Ta Chu, Wen-Huang Cheng, Jane Yung-jen Hsu, and Ja-Ling Wu. Toward semantic indexing and retrieval using hierarchical audio models. *ACM Multimedia Systems Journal*, 10(6):570–583, 2005. SCI.
14. Jane Yung-jen Hsu, Jih-Yin Chen, Ting-Shuang Huang, Chih-He Chiang, and Chun-Wei Hsieh. Photo agent: An agent-based p2p sharing system. *Lecture Notes in Computer Science*, 3601:221–228, 2005.
15. Wan-rong Jih and Jane Yung-jen Hsu. A family competition genetic algorithm for the pickup and delivery problems with time window. *Bulletin of The College of Engineering, National Taiwan University*, 90:121–130, May 2004.
16. I-Jen Chiang, Ming-Jium Shieh, Jane Yung-jen Hsu, and Jau-Min Wong. Apply fuzzy classification to colon polyp screening. *Communications of IICM*, 5(2):7–12, 2002.
17. I. J. Chiang and Jane Yung-jen Hsu. Fuzzy classification trees for data analysis. *Fuzzy Sets and Systems*, 130(1):87–99, 2002. SCI, EI.
18. Jane Yung-jen Hsu. A multi-agent framework for intranet service integration. *Lecture Notes in Artificial Intelligence*, 1599(Multiagent Platforms):148–161, 1999. This paper was selected and revised from an earlier version published in: Proceedings of the First Pacific Rim International Workshop on Multi-Agents, Singapore, November 1998. EI, SCI Expanded.
19. I. J. Chiang and Jane Yung-jen Hsu. Induction of fuzzy classification trees. *Knowledge-Based Systems*, 4, December 1998. SCI.
20. Hong-ming Yeh, Jane Yung-jen Hsu, and Han-Shen Huang. A geometric approach to anytime constraint solving for tcsp. *Lecture Notes in Artificial Intelligence*, 1531:365–376, November 1998. EI, SCI Expanded.
21. Fang-Chang Lin and Jane Yung-jen Hsu. Cooperation protocols in multi-agent robotic systems. *Autonomous Robots*, 4(2):175–198, May 1997.
22. I. J. Chiang, Y. J. Hsu, W. L. Lin, J. M. Wong, M. J. Shieh, and C. Y. Wang. The trial of C4.5/ID3 in predicting the presence of rectosigmoid polyps: A preliminary report in national taiwan university hospital. *Biomedical Engineering – Applications, Basis and Communications*, 8(2):18–23, 1996.

(B) Conference Full Papers:

1. Li-Wei Chan, Yi-Fan Chuang, Yi-Wei Chia, Yi-Ping Hung, and Jane Hsu. An approach for multi-finger detection applied with a regular diffuser. In *12th International Conference on Human-Computer Interaction (HCI)*, July 2007.

2. Chien-Ju Ho, Tsung-Hsiang Chang, and Jane Yung-jen Hsu. Photoslap: A multi-player online game for semantic annotation. In *Twenty-Second Conference on Artificial Intelligence (AAAI-07)*, Vancouver, British Columbia, July 2007. AAAI Press.
3. Wan-rong Jih, Li-lu Chen, and Jane Yung-jen Hsu. A context-aware service platform in a smart space. In *2007 ACM International Workshop on Agent-Based Ubiquitous Computing*, Honolulu, Hawaii, USA, 2007. AAMAS'07.
4. Li-wei Chan, Ji-rung Chiang, Yi-chao Chen, Chia-nan Ke, Jane Hsu, and Hao-hua Chu. Collaborative localization – enhancing wifi-based position estimation with neighborhood links in clusters. In *The 4th International Conference on Pervasive Computing (Pervasive 2006)*, Dublin Ireland, May 2006. Springer. Published as volumn 3968 of Lecture Notes in Computer Science volumn,pages 55-66.
5. Keng-hao Chang, Shih-yen Liu, Hao-hua Chu, Jane Hsu, Cheryl Chen, Tung-yun Lin, Chieh-yu Chen, and Polly Huang. Diet-aware dining table: Observing dietary behaviors over tabletop surface. In *International conference on Pervasive Computing (Pervasive 2006)*, Dublin Ireland, May 2006. Springer. Published as volumn 3968 of Lecture Notes in Computer Science, pages 366-382.
6. Yu-Hsin Chen, Ting-hsiang Huang, David Chawei Hsu, and Jane Yung-jen Hsu. Colorcocktail: An ontology-based recommender system. In Hugo Liu and Rada Mihalcea, editors, *2006 AAAI Workshop on Computational Aesthetics: Artificial Intelligence Approaches to Beauty and Happiness*, Technical Report WS-06-04. The AAAI Press, Menlo Park, California, 2006.
7. David Chawei Hsu and Jane Yung-jen Hsu. Lyq ?x an emotion-aware music player. In Rada Mihalcea Hugo Liu, editor, *Computational Aesthetics: Artificial Intelligence Approaches to Beauty and Happiness: Papers from the 2006 AAAI Workshop*, Technical Report WS-06-04. The AAAI Press, Menlo Park, California, 2006.
8. Ting-hsiang Huang and Jane Yung-jen Hsu. Beyond memories: Weaving photos into personal social networks. In Christopher Geib Gal Kaminka, David Pynadath, editor, *Modeling Others from Observations: Papers from the 2006 AAAI Workshop*, volume Technical Report WS-06-13, pages 29–36. The AAAI Press, Menlo Park, California, 2006.
9. Wan-rong Jih, Jane Yung-jen Hsu, and Tse-Ming Tsai. Context-aware service integration for elderly care in a smart environment. In David B. Leake Thomas R. Roth-Berghofer, Stefan Schulz, editor, *Modeling and Retrieval of Context Retrieval of Context: Papers from the AAAI Workshop*, Technical Report WS-06-12, pages 44–48. The AAAI Press, Menlo Park, California, 2006.
10. Wang-rong Jih, Jane Yung-jen Hsu, Chao-Lin Wu, Chun-Feng Liao, and Shao-you Cheng. A multi-agent service framework for context-aware elder care. In *AAMAS 2006 Workshop on Service-Oriented Computing and Agent-Based Engineering (SOCABE'2006)*, Future University, Hakodate, Japan, May 8–12 2006.
11. Shih-wei Lee, Shao-you Cheng, Jane Yung-jen Hsu, and Polly Huang. Emergency care management with location-aware services. In *First Workshop on Location Based Services for Health Care (LOCARE'06)*, 2006.

12. Chi-yau Lin and Yung-jen Hsu. IPARS: Intelligent portable activity recognition system via everyday objects, human movements, and activity duration. In Christopher Geib Gal Kaminka, David Pynadath, editor, *Modeling Others from Observations: Papers from the 2006 AAAI Workshop*, Technical Report WS-06-13, pages 44–52. The AAAI Press, Menlo Park, California, 2006.
13. Chih-Fu Chang, Jane Yung-jen Hsu, and Li-Chen Fu. A nonlinear multiagent system design with a hybrid approach. In *The 10th Conference on Artificial Intelligence and Applications (TAAI 2005)*, Kaohsiung, Taiwan, December 2005.
14. Chun-Nan Hsu, Koung-Lung Lin, Han-Shen Huang, and Jane Yung-jen Hsu. An item-triggered approach to serendipitous recommendation for supermarket customers. In *Workshop on the Sciences of the Artificial 2005 (WSA 2005)*, pages 71–80, Hualien, Taiwan, December 2005.
15. Ting-hsiang Huang, Bo-jyun Lu, and Jane Yung-jen Hsu. Agent-mediated personal photo sharing. In *The 10th Conference on Artificial Intelligence and Applications (TAAI 2005)*, Kaohsiung, Taiwan, December 2005.
16. R. J. Lee, C. Y. Yang, and Jane Yung-jen Hsu. Ballmate: Finding help through personal agents (in chinese). Kaohsiung, Taiwan, December 2005.
17. Tsung-Hsiang Chang, Chien-Ju Ho, David Chawei Hsu, Yuan-Hsiang Lee, Min-Shieh Tsai, Mu-Chun Wang, and Jane Yung-jen Hsu. iCane: A partner for the visually impaired. In *EUC Workshops*, November 2005. Published as volumn 3823 of Lecture Notes in Computer Science, pages 393-402.
18. C. Y. Lin and Y. J. Hsu. Event-driven activity recognition from heterogeneous sensor data. In *Proceedings of 2005 CACS Automatic Control Conference*, Tainan, Taiwan, November 2005.
19. Li-Wei Chan, Ya-Ying Hsu, Yi-Ping Hung, and Jane Yung-jen Hsu. A panorama-based interface for interacting with the physical environment using orientation-aware handhelds. In *The Seventh International Conference on Ubiquitous Computing, (UbiComp 2005)*, Tokyo, Japan, September 2005.
20. Li-Wei Chan, Ya-Ying Hsu Hsu, Yi-Ping Hung, and Jane Yung-jen Hsu. Orientation-aware handhelds for panorama-based museum guiding system. In *UbiComp 2005 Workshop: Smart Environments and Their Applications to Cultural Heritage*, Tokyo, Japan, September 2005.
21. S. Y. Cheng, W. R. Jih, and Jane Yung-jen Hsu. Context-aware policy matching in event-driven architecture. In Pavel Shvaiko, Jerome Euzenat, Alain Leger, Deborah L. McGuinness, and Holger Wache, editors, *AAAI 2005 Workshop on Contexts and Ontologies: Theory, Practice and Applications*, Technical Report WS-05-01, pages 140–141. AAAI press, Menlo Park, California, July 2005.
22. Wan-rong Jih, Shao-yo Cheng, Jane Yung-jen Hsu, and Tse-Ming Tsai. Context-aware access control in pervasive healthcare. In *Proceedings of the IEEE Workshop on Mobility, Agents, and Mobile Services (MAM), 2005 IEEE International Conference on e-Technology, e-Commerce, and e-Service*, pages 21–28, Hong Kong, March 2005.

23. Kwei-Jay Lin, Haiyin Lu, Tao Yu, Chia-en Tai, and Jane Yung-jen Hsu. A reputation and trust management broker framework for web applications. In *Proceedings of the 2005 IEEE International Conference on E-Technology, E-Commerce, and E-Service*, Hong Kong, March 2005.
24. Han-Shen Huang, Koung-Lung Lin, Jane Yung jen Hsu, and Chun-Nan Hsu. Item-triggered recommendation for identifying potential customers of cold sellers in supermarkets. In *A Workshop on the Next Stage of Recommender Systems Research (Beyond Personalization 2005)*, San Diego, California, January 2005.
25. Han-Shen Huang, Loung-Lung Lin, Jane Yung-jen Hsu, and Chun-Nan Hsu. Item-triggered recommendation for identifying potential customers of cold sellers in supermarkets. In *Beyond Personalization 2005: A Workshop on The Next Stage of Recommender Systems Research*, San Diego, January 2005.
26. Koung-Lung Lin, Jane Yung-jen Hsu, Han-Shen Huang, and Chun-Nan Hsu. A recommender for targeted advertisement of unsought products in e-commerce. In *7th IEEE International Conference on E-Commerce Technology (CEC 2005), 19-22 July 2005, München, Germany*, pages 101–108, 2005.
27. Chi-yau Lin, Chia-nan Ke, Shao-you Cheng, Jane Yung-jen Hsu, and Hao-Hua Chu. Object reminder and safety alarm. In *Embedded and Ubiquitous Computing - EUC 2005 Workshops, EUC 2005 Workshops: UISW, NCUS, SecUbiq, USN, and TAUES, Nagasaki, Japan, December 6-9, 2005, Proceedings*. Springer, 2005. Published as volumn 3823 of Lectures Notes in Computer Science, pages 499-508.
28. Li-Wei Chan, Yi-Ping Hung, and Jane Yung-jen Hsu. A museum guide system by integrating RFID-tagged tickets and information server. In *2004 The First Conference on Museum Information Management*, Taipei, November 2004.
29. C. M. Teng, C. I. Wu, Y. C. Chen, H. H. Chu, and Y. J. Hsu. Design and evaluation of mProducer: a mobile authoring tool for personal experience computing. In *Mobile and Ubiquitous Multimedia 2004*, pages 141–148, New York, NY, USA, October 2004. ACM Press.
30. Shui-Lung Chuang and Jane Yung-jen Hsu. Tree-structured template generation for web pages. In *Proceedings of the 2004 IEEE/WIC/ACM International Joint Conference on Web Intelligence (WI'04)*, pages 327–333, Beijing, September 2004.
31. Tsau-Young Lin, I-Jen Chiang, and Jane Yung-jen Hsu. Generating hypergraph of term association for automatic document concept clustering. In *Proceedings of the 8th IASTED International Conference on Artificial Intelligence and Soft Computing*, Marbella, Spain, September 2004.
32. Tse-Ming Tsai, Jiann-Tsuen Liu, and Jane Yung-jen Hsu. Micare: Context-aware authorization for integrated healthcare service. In *UbiHealth 2004: The 3rd International Workshop on Ubiquitous Computing for Pervasive Healthcare Applications, UbiComp2004*, Nottingham, England, September 2004.
33. Jane Yung-jen Hsu, Jih-Yin Chen, Ting-Shuang Huang, Chih-He Chiang, and Chun-Wei Hsieh. Photo agent: An agent-based P2P sharing system. In *Proceedings of the Third International Workshop on Agents and Peer-to-Peer Computing, 2004 International Conference on Autonomous Agents and Multiagent Systems*, New York, July 2004.

34. Shih-jui Lin and Jane Yung-jen Hsu. Hierarchical concept learning for personal calendar agents. In *Proceedings of the International Conference on Intelligent Agents, Web Technologies and Internet Commerce*, Gold Coast, Australia, July 2004.
35. C. M. Teng, Hao-hua Chu, and Jane Yung-jen Hsu. Making use of serendipity: A new direction for pervasive computing from a sociological view. In *Proceedings of the Second International Conference on Pervasive Computing*, Vienna, Austria, April 2004.
36. Koung-Lung Lin, Jane Yung-jen Hsu, and Shih-jui Lin. Application of multi-agent technology in search and management of digital archives. In *Proceedings of the 2nd Workshop on Digital Archive Technology*, Taipei, July 2003.
37. Wan-rong Jih, Cheng-Yen Kao, and Jane Yung-jen Hsu. Using family competition genetic algorithm in pickup and delivery problem with time window constraints. In *Proceedings of the 2002 IEEE International Symposium on Intelligent Control*, pages 496–501, Vancouver, Canada, October 2002.
38. Shih-jui Lin and Jane Yung-jen Hsu. Learning user’s scheduling criteria in a personal calendar agent. In *Proceedings of TAAI2000*, Taipei,, November 2000.
39. Wan-rong Jih and Jane Yung-jen Hsu. Dynamic vehicle routing using hybrid genetic algorithms. In *Proceedings of the 1999 IEEE International Conference on Robotics and Automation*, pages 453–458, Detroit, Michigan, May 1999.
40. Yu-hsiung Deng, Thong-han Tsai, and Jane Yung-jen Hsu. P@rty: A personal email agent. In *Proceedings of the 1999 Agent Technology Workshop*, Taipei, Taiwan, April 1999.
41. Jane Yung-jen Hsu and Chien-Jung Ting. Physimc: An intelligent assistant for case-based learning. In *Proceedings of the 10th IEEE International Conference on Tools with Artificial Intelligence*, Taipei, November 1998.
42. I-Jen Chiang and Jane Yung-jen Hsu. Fuzzy classification for colon polyp screening. In *Proceedings of the Sixth International Workshop on Rough Sets, Data Mining, and Granular Computing*, North Carolina, USA, October 1998.
43. Fang-Chang Lin and Jane Yung-jen Hsu. Coordinating multi-agent systems by scripts. In *Proceedings of the 1998 IEEE International Conference on Systems, Man, and Cybernetics*, La Jolla, USA, October 1998.
44. Jane Yung-jen Hsu and Liang-Sheng Hwang. A graph-based exploration strategy of indoor environments by an autonomous mobile robot. In *Proceedings of the 1998 IEEE International Conference on Robotics and Automation*, Leuven, Belgium, May 1998.
45. Euna Jeong and Jane Yung-jen Hsu. A form-based gateway for web databases. In *Proceedings of WebNet 97 – The 2nd World Conference of the WWW, Internet, and Intranet*, Toronto, Canada, November 1997.
46. Jane Yung-jen Hsu and Wen-tau Yih. Template-based information mining from html documents. In *Proceedings of AAAI-97*, pages 256–262, Providence, USA, July 1997.
47. Han-Shen Huang, Li-Chen Fu, and Jane Yung-jen Hsu. Rapid setup of system control in a flexible automated production system. In *Proceedings of the 1997 IEEE International Conference on Robotics and Automation*, Albuquerque, USA, April 1997.

48. I-Jen Chiang and Jane Yung-jen Hsu. Induction of fuzzy classification trees. In *Proceedings of the First Pacific Asia Conference on Knowledge Discovery and Data Mining (PAKDD97)*, pages 65–78, Singapore, February 1997.
49. I-Jen Chiang and Jane Yung-jen Hsu. Integration of fuzzy classifiers with decision trees. In *Proceedings of the 1996 Asian Fuzzy Systems Symposium*, Kenting, Taiwan, December 1996.
50. W. R. Jih, Y. P. Chen, and Jane Yung-jen Hsu. A comparative study of genetic algorithms for vehicle routing with time constraints. In *Proceedings of the 1996 International Computer Symposium*, pages 17–24, Kaohsiung, Taiwan, December 1996.
51. Fang-Chang Lin and Jane Yung-jen Hsu. Script-based design for multi-agent robotic systems. In *Proceedings of the 1996 International Computer Symposium*, pages 9–16, Kaohsiung, Taiwan, December 1996.
52. Jane Yung-jen Hsu and I-Jen Chiang. Fuzzy classification trees. In *Proceedings of the ISAI/IFIS*, pages 431–438, Cancun, Mexico, November 1996.
53. Jane Yung-jen Hsu and C. J. Ting. An intelligent teaching assistant for case-based learning. In *Proceedings of the ICAL Symposium*, November 1996.
54. Fang-Chang Lin and Jane Yung-jen Hsu. A cooperative framework for multi-agent robotic systems. In *Proceedings of Computational Engineering in Systems Applications (CESA'96), Symposium on Robotics and Cybernetics*, Lille, France, July 1996.
55. Fang-Chang Lin and Jane Yung-jen Hsu. Cost-balanced coordination-based cooperation protocol for multi-agent robotic systems. In *Proceedings of the 1996 International Conference on Parallel and Distributed Systems*, Tokyo, Japan, June 1996.
56. Fang-Chang Lin and Jane Yung-jen Hsu. Coordination-based cooperation protocol for multi-agent robotic systems. In *Proceedings of the 1996 IEEE International Conference on Robotics and Automation*, Minneapolis, USA, April 1996.
57. D. F. Chang, Y. J. Hsu, and C. S. Fuh. Hand written character recognition using a neural network. In *Proceedings of the Fifth Symposium on Character Recognition and Document Analysis*, Chung-Li, Taiwan, January 1996.
58. Jane Yung-jen Hsu, C. C. Hou, and W. S. Huang. Physim: A knowledge-based simulation environment for ICAL. In *Proceedings of the ICAL Symposium*, November 1995.
59. I-Jen Chiang and Jane Yung-jen Hsu. Incremental learning for robot control. In *Proceedings of the 1995 IEEE International Conference on Systems, Man and Cybernetics*, Vancouver, Canada, October 1995.
60. Fang-Chang Lin and Jane Yung-jen Hsu. A genetic algorithm approach for the object-sorting task problem. In *Proceedings of the 1995 IEEE International Conference on Systems, Man and Cybernetics*, Vancouver, Canada, October 1995.
61. Jane Yung-jen Hsu and Szu-Wen Kuo. An integrated planning architecture for mobile robots in dynamic environments. In *Proceedings of the TAAI Symposium*, pages 138–145, September 1995.

62. S. C. Hsu, Jane Yung-jen Hsu, and I-Jen Chiang. Automatic generation of fuzzy control rules by machine learning methods. In *Proceedings of the 1995 IEEE International Conference on Robotics and Automation*, Nagoya, Japan, May 1995.
63. Fang-Chang Lin and Jane Yung-jen Hsu. Cooperation and deadlock-handling for an object-sorting task in a multi-agent robotic system. In *Proceedings of the 1995 IEEE International Conference on Robotics and Automation*, Nagoya, Japan, May 1995.
64. Fang-Chang Lin and Jane Yung-jen Hsu. A decentralized cooperation protocol for autonomous robotic agents. In *Proceedings of the Second International Symposium on Autonomous Decentralized Systems*, Phoenix, USA, April 1995.
65. Tsai-Yu Chang and Jane Yung-jen Hsu. Neural networks for robot navigation control. In *Proceedings of the International Symposium on Artificial Neural Networks*, Taiwan, December 1994.
66. Jane Yung-jen Hsu, D. C. Lo, and S. C. Hsu. Fuzzy control for behavior-based mobile robots. In *Proceedings of the NAFIPS/IFIS/NASA '94*, San Antonio, USA, December 1994.
67. Fang-Chang Lin and Jane Yung-jen Hsu. A cooperation protocol for an object-sorting task in a multi-agent robotic system. In *Proceedings of the 1994 International Computer Symposium*, Hsinchu, Taiwan, December 1994.
68. I-Jen Chiang and Jane Yung-jen Hsu. Real-time multi-robot assembly scheduling. In *Proceedings of the 2nd Asian Conference on Robotics and Its Application*, Beijing, October 1994.
69. Liang-Sheng Hwang and Jane Yung-jen Hsu. An area-based terrain acquisition algorithm for a mobile robot. In *Proceedings of the 3rd National Conference on Science and Technology of National Defense*, Tao-Yuan, Taiwan, October 1994.
70. Mu-Sheng Su, Jane Yung-jen Hsu, and Fang-Chang Lin. A comparative study of path planning for multiple robots. In *Proceedings of the 2nd Asian Conference on Robotics and Its Application*, Beijing, October 1994.
71. Tsai-Yu Chang, Szu-Wen Kuo, and Jane Yung-jen Hsu. A two-phase navigation system for mobile robots in dynamic environments. In *Proceedings of The IEEE International Conference on Intelligent Robots and Systems 1994*, Munchen, September 1994.
72. I-Jen Chiang and Jane Yung-jen Hsu. A neural network controller for behavior based robot using multi-strategy learning. In *Proceedings of the 1993 International Conference on Parallel and Distributed Systems*, pages 727–731, Taipei, December 1993.
73. I-Jen Chiang and Jane Yung-jen Hsu. A neural network controller for a behavior-based robot. In *Proceedings of the 1993 International Symposium on Artificial Neural Networks*, pages H30–H39, December 1993.
74. Li-Chen Fu and Yung-Jen Hsu. Fully automated two-robot flexible assembly cell. In *IEEE International Conference on Robotics and Automation*, Atlanta, USA, May 1993.
75. Jane Yung-jen Hsu. The variety of partial plans. In *Proceedings of the AAAI Spring Symposium Series on Foundations of Automatic Planning: The Classical Approach and Beyond*, Stanford, USA, March 1993.

76. Li-Chen Fu and Yung-Jen Hsu. On-line scheduling for a two-robot assembly cell. In *Proceedings of The International Symposium on Intelligent Robotics*, Bangalore, India, 1993.
77. Jane Yung-jen Hsu, Peng-Tsin Ong, and Kwei-Jay Lin. Artificial intelligence in real-time systems: Survey and directions. In *Proceedings of the 1992 International Computer Symposium*, Taichung, Taiwan, December 1992.
78. Li-Chen Fu and Yung-Jen Hsu. Dynamic scheduling for a two-robot assembly cell. In *The Second International Conference on Automation Technology*, volume 3, pages 73–80, 1992.
79. Chin-Jung Tsai, Li-Chen Fu, and Jane Yung-jen Hsu. Simulation-based model for an fms using petri nets. In *The Second International Conference on Automation Technology*, volume 4, pages 31–38, 1992.
80. Michael R. Genesereth and Jane Yung-jen Hsu. Partial programs. In J. A. Allen, R. Fikes, and E. Sandewall, editors, *Principles of Knowledge Representation and Reasoning: Proceedings of the Second International Conference*, pages 238–249. Morgan Kaufmann Publishers, Boston, April 1991.
81. Jane Yung-jen Hsu. Synthesizing efficient agents from partial programs. In Z.W. Ras and M. Zemankova, editors, *Lecture Notes in Computer Science*, volume 542 of *Lecture Notes in Artificial Intelligence: Methodologies for Intelligent Systems*, pages 142–151. Springer-Verlag Publishers, 1991.
82. Jane Yung-jen Hsu. Partial planning with incomplete information. In *Proceedings of the Pacific Rim International Conference on Artificial Intelligence '90*, pages 474–479, November 1990.
83. Jane Yung-jen Hsu. Partial planning with incomplete information. In *AAAI Workshop on Planning in Complex Domains*, Boston, July 1990.
84. Jane Yung-jen Hsu. Partial planning with incomplete information (preliminary report). In *Working Notes of the AAAI Spring Symposium Series on Planning in Uncertain, Unpredictable, or Changing Environments*, Stanford, USA, March 1990.
85. Jane Yung-jen Hsu. A knowledge-level analysis of informing. In *Proceedings of the Sixth International Workshop on Machine Learning*, pages 485–488, Ithaca, June 1989. Morgan Kaufmann Publishers.
86. Jane Yung-jen Hsu and M. R. Genesereth. Knowledge compilation for informable agents. In *Proceedings of the AAAI Spring Symposium Series on AI and Limited Rationality*, Stanford, USA, March 1989.
87. C. C. Koo and Jane Yung-jen Hsu. Situational-worlds logic of actions. In *Proceedings of the International Computer Science Conference '88*, Hong Kong, December 1988.

(C) Other:

1. William Cheung and Jane Y. Hsu. Intelligent agents in e-services, 2007.
2. Jane Yung-jen Hsu. Context-aware dynamic rule engine, December 2004. III Project Report.

3. Jane Yung-jen Hsu and F. Wang. Formalization of information security threats and policy, December 2004. III Project Report.
4. Jane Yung-jen Hsu. A personalized information search and extraction agent, June 1998. III Project Report.
5. Y. J. Hsu, Y. P. Chen, B. W. Chen, K. Z. Lee, Y. H. Chang, and W. T. Yih. The health care passport system: User's guide. Technical Report CSIE-96-, National Taiwan University, January 1996.
6. Fang-Chang Lin, Kwei-Jay Lin, and Jane Yung-jen Hsu. A dual-network real-time communication architecture, 1993. ITRI/ATC Project Report.
7. Jane Yung-jen Hsu. *Partial Programming: A Framework for Problem Solving via Incremental Program Development*. PhD thesis, Stanford University, May 1991.
8. M. R. Genesereth and Y. J. Hsu. Partial programs. Technical Report Logic-89-20, Stanford University, December 1989.
9. Jane Yung-jen Hsu. On the relation between partial evaluation and explanation-based learning. Technical Report Logic-88-10, Stanford University, June 1988.