

Dr. Timothy Wilking Finin

Computer Science and Electrical Engineering
University of Maryland Baltimore County
Baltimore MD 21250
mailto:finin@umbc.edu, voice:+1-410-455-3522
fax:+1-410-455-3969, <http://umbc.edu/~finin/>

743 Oella Ave.
Oella MD 21043
+1-410-461-8455
US Citizen



Research Interests

Artificial intelligence, software agents, knowledge and database systems, knowledge representation and reasoning, logic programming, natural language processing and information retrieval, semantic web, applications involving mobile and pervasive computing and electronic commerce.

Education

- Ph.D. in Computer Science, University of Illinois, Urbana-Champaign, 1980.
- M.S. in Computer Science, University of Illinois, Urbana-Champaign, 1977
- S.B. in Electrical Engineering, Massachusetts Institute of Technology, 1971.

Employment Highlights

- 99-: Director, Institute for Global Electronic Commerce, UMBC, Baltimore, MD.
- 95-: Professor of Computer Science and Electrical Engineering, UMBC.
- 91-95: Professor and Chair, Department of Computer Science, UMBC.
- 87-91: Technical Director, Unisys Center for Advanced Information Technology, Paoli PA
- 80-87: Assistant Professor, Computer and Information Science, U. of Pennsylvania, Philadelphia PA
- 74-80: Research Assistant, Research Associate, Coordinated Science Lab, U. of Illinois, Urbana IL
- 77: Visiting Research Staff, Computer Science Department, IBM Research Lab, San Jose CA
- 70-74: Research Staff, Artificial Intelligence Lab and Cambridge Project, M.I.T., Cambridge MA

Recent publications (See <http://umbc.edu/~finin/papers/> for copies)

- On Data Management in Pervasive Computing Environments, Filip Perich, Anupam Joshi, Timothy Finin and Yelena Yesha, IEEE Transactions on Knowledge and Data Engineering, to appear, 2003.
- Lalana Kagal, Tim Finin and Anupam Joshi, A Policy Based Approach to Security for the Semantic Web, Second International Semantic Web Conference (ISWC2003), Sanibel Island FL, October 2003.
- Youyong Zou, Tim Finin, Li Ding, Harry Chen, and Rong Pan, Using Semantic Web technology in Multi-Agent Systems: a case study in the TAGA trading agent environment, 5th International Conference On Electronic Commerce: Technologies, Pittsburg, October 2003.
- Urvi Shah, Tim Finin, Anupam Joshi, R. Scott Cost and James Mayfield, Information Retrieval on the Semantic Web, 10th Int. Conference on Information and Knowledge Management, November 2002.
- L. Kagal, V. Korolev, S. Avancha, A. Joshi, T. Finin, and Y. Yesha, Centaurus: An Infrastructure for Service Management in Ubiquitous Computing Environments, Wireless Networks, 8:6, Kluwer, 2002.
- Tim Finin, et. al., Information Agents for Mobile and Embedded Devices, International Journal on Cooperative Information Systems, 2002.
- R. Scott Cost, Tim Finin, et.al., ' ITTALKS: A Case Study in DAML and the Semantic Web', IEEE Intelligent Systems, 2002.
- Lalana Kagal, Tim Finin and Anupam Joshi, Moving from Security to Distributed Trust in Ubiquitous Computing Environments, IEEE Computer, December 2001.
- R. Scott Cost, Yannis Labrou, Tim Finin, Agent Communication Languages and Agent Coordination, in "Coordination of Internet Agents" Omicini et.al. (Eds.), Springer, July 2000
- Y. Labrou, T. Finin, Semantics & Conversations for an Agent Communication Language, IJCAI, 1997.

Miscellaneous (See <http://umbc.edu/~finin/cv.pdf> for details)

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