

Dr. Timothy Wilking Finin

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Professional Preparation

- S.B. in Electrical Engineering, Massachusetts Institute of Technology, 1971. thesis: Three Problems in Analyzing Scenes, advisor: Patrick H. Winston
- M.S. in Computer Science, University of Illinois, Urbana-Champaign, 1977. thesis: An Interpreter and Compiler for Augmented Transition Networks, advisor: David L. Waltz
- Ph.D. in Computer Science, University of Illinois, Urbana-Champaign, 1980. dissertation: The Semantic Interpretation of Compound Nominals, advisor: David L. Waltz

Appointments

- 17- Willard and Lillian Hackerman Chair in Engineering, UMBC
- 91-: Professor of Computer Science and Electrical Engineering, UMBC
- 07-: Research Scientist, Human Language Technology Center of Excellence, Johns Hopkins Univ.
- 91-95: Professor and Chair, Department of Computer Science, UMBC
- 87-91: Technical Director, Knowledge Based Information Processing, Unisys, Paoli PA
- 87-91: Adj. Assoc. Professor, Computer & Information Science, U. of Pennsylvania, Philadelphia 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
- 71-74: Research Staff, Artificial Intelligence Laboratory, M.I.T., Cambridge MA

Recent publications (profiles on [Google Scholar](#) and [DBLP](#))

- Varish Mulwad, Vijay S Kumar, Jenny Weisenberg Williams, Tim Finin, Sharad Dixit, Anupam Joshi, Towards Semantic Exploration of Tables in Scientific Documents, Workshop on Semantic Technologies for Scientific, Technical and Legal Data, Proc. ESWC 2023, May 2023. Best paper award.
- Aritrans Piplai, Mike Anoruo, Kayode Fasaye, Anupam Joshi, Tim Finin, Ahmad Ridley, Knowledge Guided Two-player Reinforcement Learning for Cyber Attacks and Defenses, Int. Conf. on Machine Learning and Applications, IEEE, Dec. 2022.
- Priyanka Ranade, Sanorita Dey, Anupam Joshi, Tim Finin, Computational Understanding of Narratives: A Survey, IEEE Access, v10, pp. 101575-101594, September 2022.
- Ankur Padia, Francis Ferraro, Tim Finin, Jointly Identifying and Fixing Inconsistent Readings from Information Extraction Systems, 3rd Workshop on Knowledge Extraction and Integration for Deep Learning Architectures, ACL, May 2022.
- Ramin Ayanzadeh, John Dorband, Milton Halem, and Tim Finin, Multi-Qubit Correction for Quantum Annealers, Nature Scientific Reports, Springer, July 2021

Synergistic Activities

- I have mentored 31 Ph.D. students at UMBC or the University of Pennsylvania.
- I have received more than 90 research awards, contracts, and gifts to support research from government agencies and companies, including support from NSF, DARPA, NSA, NASA, NIST, ONR and AFOSR.
- I was an editor-in-chief of the Elsevier Journal of Web Semantics (2006-2016) and am co-editor of Viewpoints opinion column in the Communications of the ACM (2013-present).
- I am an ACM Fellow (2018), a AAAI Fellow (2013), UMBC Presidential Research Professor (2012-2015), FIPA Fellow (1997) and IEEE Technical Achievement Award recipient (2009). I am a former AAAI councilor and former member of the board of directors of the Computing Research Association.
- I have been general or program chair of major conferences held by ACM, AAAI, IEEE and others.