

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

- 2024- Director, UMBC Center for Artificial Intelligence
- 2017- Willard and Lillian Hackerman Chair in Engineering, UMBC
- 2007-: Research Scientist, Human Language Technology Center of Excellence, Johns Hopkins University
- 1996-: Professor, Department of Computer Science and Electrical Engineering, UMBC
- 1991-1995: Professor and Chair, Department of Computer Science, UMBC
- 1987-1991: Technical Director, Knowledge Based Information Processing, Unisys, Paoli PA
- 1980-1987: Assistant Professor, Computer and Information Science, U. of Pennsylvania, Philadelphia, PA
- 1974-1980: Research Assistant, Research Associate, Coordinated Science Lab, U. of Illinois, Urbana, IL
- 1971-1974: Research Staff, Artificial Intelligence Laboratory, M.I.T., Cambridge MA

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

- A. Hamid, H. Samidi, T. Finin, P. Pappachan, R. Yus, GenAIPABench: A Benchmark for Generative AI-based Privacy Assistants, Proceedings on Privacy Enhancing Technologies (PoPETs), Vol. 2024, number 3, 2024.
- H. Oh, B. Kulvatunyou, A. Jones, T. Finin, Employing Word-Embedding for Schema Matching in Standard Lifecycle Management, Journal of Industrial Information Integration, Elsevier, 2024.
- A. Padia, F. Ferraro, T. Finin, Enhancing Knowledge Graph Consistency through Open Large Language Models: A Case Study, AAAI-MAKE: Empowering Machine Learning and Large Language Models with Domain and Commonsense Knowledge, AAAI Spring Symposium, March 2024.
- V. Kumar, V. Mulwad, J. Williams, T. Finin, S. Dixit, A. Joshi, Knowledge Graph-driven Tabular Data Discovery from Scientific Documents Tabular Data Analysis, Tabular Data Analysis Workshop, VLDB, 2023.
- V. Mulwad, V. Kumar, J. Williams, T. Finin, S. Dixit, A. Joshi, Towards Semantic Exploration of Tables in Scientific Documents, Workshop on Semantic Technologies for Scientific, Technical, and Legal Data, ESWC, Best paper award.

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 co-editor of the Communications of the ACM Viewpoints opinion column (2013-2021).
- I am an ACM Fellow (2018), a AAAI Fellow (2013), a UMBC Presidential Research Professor (2012-2015), an FIPA Fellow (1997), and an IEEE Technical Achievement Award recipient (2009). I am also a former AAAI councilor and former member of the Computing Research Association's board of directors.
- I have been general or program chair of major conferences held by ACM, AAAI, IEEE, and others.