

# **Thomas Eskridge, Ph.D.**

**Associate Professor | Computer Engineering and Sciences at Florida Tech**

Melbourne, FL, US

Dr. Eskridge works to develop tools and techniques to support the capture, organization and retrieval of knowledge.

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## **About**

Tom Eskridge is an associate professor at the Florida Institute of Technology. Dr. Eskridge has been working to develop tools and techniques to support the capture, organization, and retrieval of knowledge. This work has led to the development of the CmapTools Ontology Editor (COE) for visualizing, browsing and editing human-understandable ontologies, and several other extensions to CmapTools used during knowledge elicitation and subsequent knowledge management. Dr. Eskridge's work on ontology development has enabled current efforts in representing and reasoning about various aspects of cybersecurity and multi-agents systems, and in developing systems for policy representation, reasoning, learning and application in multi-agent systems. Dr. Eskridge has also been very involved in performance-oriented information visualization, where the user interface is used to amplify the performance of the system operator. The aircraft cockpit system OZ is a prime example of this work. His other research interests and experience include models of knowledge capture and representation, human analogical reasoning, machine learning classification, knowledge discovery and data mining, situated cognition, software and real-world agents and foundational issues in artificial intelligence, cognitive science and philosophy. Dr. Eskridge's Ph.D. was in philosophy with an emphasis on artificial intelligence and cognitive science from Binghamton University, and he holds an M.S. and B.S. in computer science from Southern Illinois University.

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## **Areas of Expertise**

User Interfaces, Artificial Intelligence, Philosophy, Computer Science, Human-Computer Interaction

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## **Affiliations**

Sigma Xi , American Association for Artificial Intelligence (AAAI) , IEEE

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## **Event Appearances**

**A federated defense community and ecosystem in practice**  
2019 S&T Cybersecurity and Innovation Showcase

**Advanced Information Displays**  
2005 Florida Technology Transfer Conference

**In Process Quality Control: The Route to Zero Defect Manufacture**  
Nepcon UK

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## Education

**Southern Illinois University Carbondale**  
M.S. Computer Science

**Binghamton University**  
Ph.D. Philosophy

**Southern Illinois University Carbondale**  
B.S. Computer Science

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