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Jyotirmaya Nanda is a Research Scientist at Intelligent Automation, Inc., Rockville, MD.

Jyotirmaya Nanda obtained his doctorate in Industrial Engineering with a minor in High Performance Computing at the Pennsylvania State University with Dr. Timothy W.

Simpson in 2006. As part of his dissertation entitled "A Framework for Product Platform Knowledge Management using the Semantic Web Paradigm," Jyotirmaya developed simple yet innovative methodologies to capture and reorganize component design information as a graph model using Formal Concept Analysis to facilitate both linguistic and parametric design information management. His dissertation work resulted in the publication of a book in this area. He is currently working on the project named "Warfighter Wiki," funded by AFRL, which is addressing the need to collect, store, and present informal knowledge in electronic continuity folders. Some of the past projects he has worked on at Intelligent Automation, Inc. are in the areas of Conceptual modeling of knowledge and its representation in cognitive systems (DARPA), Information integration & visualization for Next Generation Air Transportation System (NASA), ACES Model Composition and Development Toolkit to Support NGATS Concepts (NASA), An integrated and extensible cost evaluation and simulation system (Army), and Secure Web Interfaces to Database (OSD).

He has published his work in ASME, IEEE, IIE, and AAIA conferences and journals.