

## Employee's Book Addresses Pressing IT Challenges on the Global Information Grid

(September 27, 2007) Northrop Grumman IT employee Phillip E. Hammonds and subcontractor teammate Bernard P. Ziegler share their expertise in a well-received book that provides a practical method and framework to address pressing challenges affecting IT systems and their viability as part of the Global Information Grid.

The book is titled *Modeling and Simulation-Based Data Engineering: Introducing Pragmatics Into Ontologies for Net-Centric Information Exchange*. Recent reviews praise the book for its clarity and excellent approach to the subject of advanced modeling and its application to net-centric environments. It is a practical guide to integrating XML and Web services in data engineering, and goes into effective information exchange, and national and international interoperability standards. In addition, the Arizona Center for Integrative Modeling and Simulation Web site – co-founded by Bernie – provides links to downloadable software supporting the book.

*The book provides an excellent approach to advanced modeling and its application to net-centric environments.*

A Defense group employee based in Fort Huachuca, Ariz., Phil is the program manager for Northrop Grumman IT at the Joint Interoperability Test Command. His particular interests are modeling and simulation and the various engineering domains necessary to create and test interoperable intelligence, and command and control products and services in the evolving net-centric environment. Phil received his doctorate and master's degrees from the University of Arizona. His doctoral work focused on natural language directives processing and analysis. He has several publications and software in the areas of modeling and simulation, high-performance computing analysis, data engineering and linguistics.

Bernie is one of the team's subcontractors. He is a professor of Electrical and Computer Engineering at the University of Arizona, Tucson, and director of the Arizona Center for Integrative Modeling and Simulation. He is internationally known for his 1976 foundational text *Theory of Modeling and Simulation*, recently revised for a second edition (Academic Press, 2000). He has published numerous books and research publications on the Discrete Event System Specification formalism.

The book is available via online booksellers.

Employees with intranet access can see this article which was first published by IT News, [Employee's Book Addresses Pressing IT Challenges on the Global Information Grid](#), September 27, 2007.

