Publications

Books

Articles in Refereed Journals

Chapters in Books


Articles in Conference Proceedings


Articles in Non-Refereed Publications

Other Publications


Presentations (not included in conference proceedings above)

Dolk, D. “Model Management for Agent-Based Modelling and Simulation”, Presented at the IFIP Working Group 7.6 on Optimization and Systems Modelling Workshop in Warsaw, Poland, September 1-3, 2008.


Grants and Funding

Dolk, D. “Global Information Grid Enterprise Services Management and Engineering”, CRADA with nGAP, Inc., $100,000.

Awards

Significant Professional Activities

Rick Hayes-Roth participated substantially in development of the Maritime Information Exchange Model (MIEM), under development for two years, which was released in September for general use throughout the Navy and Coast Guard. DHS has agreed to incorporate the MIEM as the maritime domain information exchange model in the National Information Exchange Model (NIEM) that supports federal, state and local law enforcement agencies. The MIEM uses XML technology to model objects of principal interest, including: characteristics and movements of people, vessels, and cargo; facilities and ports; threats, anomalies, and events. All modeled entities are treated as dynamic, having characteristics and behaviors that change over time. Temporal scope includes the past, present and forecast future. All assertions are considered as beliefs, with more or less uncertainty, supported by evidence and metadata. The MIEM resulted from seminal work on the semantic requirements for a rich model of Track conducted here at NPS over the last five years. That work began with NPS RIP funding, then was supported by the US Navy through NAVSEA PEO IWS 6 (Cooperative Engagement Capability) and then NRL (Comprehensive Maritime Awareness JCTD). The rich semantic Track continues as a dissertation focus of Curt Blais.

PhD Student Accomplishments
