2008 NTSA Modeling & Simulation Awards

for Outstanding Achievement in Modeling & Simulation

Each year, NTSA awards are presented to non-DoD individuals or teams for outstanding achievements in the development or application of models and simulations. (Awards to DoD employees are given by DMSO). Awards may be given for outstanding achievement in the specific M&S functional areas of Training, Analysis, and Acquisition, and for outstanding achievement in support of the overall M&S effort (Cross-Function).

NTSA is pleased to announce the following winners of the 2008 NTSA Awards for Outstanding Achievement in Modeling & Simulation:

Training

The Project Alpine Team
The Boeing Company

The Project Alpine Team is recognized for their outstanding accomplishments on their year long independent R&D project that culminated in the successful demonstration of truly integrated live, virtual, and constructive assets in a proof-of-concept training scenario. The demonstration, an industry first, used existing technologies to network an F-15E aircraft (live) with an F-15E simulator (virtual) while integrating computer-generated threats (constructive) into both environments.

The Predator Mission Aircrew Training System (PMATS) Team
L-3 Communications Link Simulation & Training

The Predator Mission Aircrew Training System is the first high fidelity simulation device used to train any U.S. military unmanned aircraft crew. The L-3 Link Simulation & Training PMATS team broke new ground in developing high fidelity simulation of all aspects of the MQ-1 Predator platform, including sensors and weapons. Use of L-3 Link's Common Training System Architecture design was instrumental in PMATS' development and has helped ensure timely fielding of concurrency modifications and upgrades.

Mr. Ronald McDaniel
Engineering Systems Solutions, Inc.

Mr. Ron McDaniel, as a contractor supporting the Air Force Combat Command and the Air Force Agency for Modeling and Simulation, has significantly improved Air Force training through his innovative approach for integrating and implementing Live, Virtual and Constructive capabilities. His vision and development of technical architectures were instrumental in rapidly providing enhanced combat capability to the Warfighter in combat.

Analysis

The Center on Social and Economic Dynamics
The Brookings Institution The Brookings Institution's Center on Social and Economic Dynamics team built the Large Scale Agent Model (LSAM): a spatial agent-based epidemic model capable of simulating several billion agents. The model is adaptable to shared-memory and distributed-memory architectures and is capable of distributed simulation. The LSAM represents a major advance in simulation for public health risk assessment and design of interventions. The model was developed under the DHS University Center of Excellence on Preparedness and Catastrophic Event Response (PACER) at The Johns Hopkins University.

Mr. Jason T. Brown
Analysis & Decision Support Division
Northrop Grumman

Mr. Jason Brown was the Architect/Analyst for the development and deployment of the Manpower and Unit Deployment Execution Model (MUDEM). MUDEM is a discrete event simulation designed for analysis of a wide variety of force structure options serving routine demands as well as scripted contingency deployments to the combatant commands. This model was developed for and is used by the United States Marine Corps Deputy Commandant for Programs and Resources for resource and acquisition planning.

Cross-Function

The Florida Wildfire Project Team
The AEgis Technologies Group, Inc.

The ResponderNet Command Management System (RCMS) is the culmination of the efforts of the AEgis Technologies Group, Inc. and the Florida Division of Forestry. This system provides the capability to predict, detect, and react to forest hot spots where a

wildfire might break out and provide the capability to provide personnel and asset visibility for tracking and management.