



## **2010 NTSA Modeling & Simulation Awards – I/ITSEC 2010**

### ***for Outstanding Achievement in Modeling & Simulation***

Each year, the NTSA M&S Awards are presented to individuals or teams for outstanding achievements in the development or application of models and simulations. 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). Individual Lifetime Achievement awards may also be presented, and, in addition, some nominees may receive an Honorable Mention.

In 2010, NTSA decided to change the awards presentation venue, and thus presented a second set of awards - at I/ITSEC 2010 in December 2010 - in addition to the awards presented the previous February.

NTSA is pleased to announce the following winners of the 2010 NTSA M&S Awards for Outstanding Achievement in Modeling & Simulation:

#### **Acquisition**

#### **Iraqi 35-Meter Patrol Boat Integrated Project Team (IPT) NAWCTSD**

The NAWCTSD Iraqi 35-Meter Patrol Boat Integrated Project Team (IPT) successfully planned and executed an extremely high risk, highly visible acquisition effort in a two-phased approach that culminated with the initial operational capability of the patrol boat program for the Iraqi Navy. This achievement will have a direct impact on the mission transfer of Iraqi coastal and oil platform security from the U.S. Navy to the Iraqi Navy in December 2011.

## **Analysis**

**Ms. Diane K. Mitchell**  
**U.S. Army RDECOM, Army Research Laboratory**

Ms. Diane Mitchell conducted analyses that predicted the complex relationship among Soldier cognitive performance, system design and overall mission performance for crews of ground vehicles. She provided combat vehicle developers with the capability to include Soldier cognitive performance considerations in their determination of vehicle crew size requirements. She extended the analytical state of the art for Army crew size analysis by using a combination of human performance modeling tools, cognitive task analysis, and elicitation techniques.

## **Cross-Function**

**MSgt Kevin R. Furtick, USAF**  
**315th Training Squadron, 17th Training Group, U.S. Air Force**

MSgt Furtick led the expansion of the M&S footprint in Operation Lone Star to meet all conventional warfare and symmetric operations training objectives. He planned and executed an AFSEERS (Air Force Synthetic Environment for Reconnaissance and Surveillance) expansion that quadrupled the 315th Training Squadron's ability to support complex training requirements. Additionally, he helped stand up the first-ever M&S-driven distributed mission training between 17 TRG and JICTC (Joint Intelligence Combat Training Centers). MSgt Furtick's efforts enabled the school house to double the output of intelligence analysts prepared for full spectrum combat operations.

## **Lifetime Achievement**

**Mr. Richard L. Schaffer**  
**Lockheed Martin**

Beginning with his pioneering work in SIMNET, Richard Schaffer has had a tremendous influence on DoD training and simulation. He has led the development of community standards including SIMNET, DIS, and the HLA RPR-FOM. He is one of the "fathers" of JSAF and has led the development of many influential and ground breaking simulations, including the VE LCAC, the AAV Turret Trainer, the DVTE CAN, the Helicopter Control Officer Vertical Flight Deck Trainer, and the Infantry Immersion Trainer.

## **Training**

### **VESSEL Team**

**Raytheon BBN Technologies, Alion Science and Technology, IDSI, UCF and IDEAS**

The VESSEL development team, led by Raytheon BBN Technologies, has demonstrated outstanding achievement in three major areas: the creation of a fully-deployed, award-winning serious game; the advancement of the science of game-based learning; and the development of an active community of interest within the Modeling and Simulation community. They have addressed a major training gap for every U.S. Navy recruit, using low-cost technologies, and have advanced the general understanding of how to design effective training games.

### **Border Hunter Research Team**

**USJFCOM, UCF-IST, PSE, Anacapa, CPG and NAWCTSD**

The multidisciplinary, multiagency Border Hunter Research Team embodied the spirit of collaborative research. They executed a uniquely robust training evaluation, and delivered detailed results in six months. They developed cognitive models of expert “Combat Hunters,” metrics for trainees, and a domain content model of relevant skills. The team’s research lays the groundwork for well-informed, systematic extensions to similar future training systems.