NTSA

NATIONAL TRAINING & SIMULATION ASSOCIATION

2012 NTSA Modeling & Simulation Awards

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.

NTSA is pleased to announce the following winners of the 2012 Governor's Award and the 2012 NTSA M&S Awards for Outstanding Achievement in Modeling & Simulation.

2012 Governor's Award

CSTARS Cincinnati

The Center for Sustainment of Trauma and Readiness Skills (CSTARS), along with the Division of Trauma and Critical Care Medicine at University Hospital in Cincinnati, are recognized for their simulation training program for Critical Care Air Transport (CCAT) teams. CCAT teams are responsible for the movement of critically ill trauma and medical patients from combat hospitals via military aircrafts, and they require specialized training for the conditions and types of patients they will encounter. The CSTARS training program encompasses exposure to civilian trauma patients, in addition to extensive use of high-fidelity human patient simulation (HPS). HPS training exercises are conducted in both simulated environments and also in actual aircraft. CSTARS has validated over 1,000 CCAT team members, who have transported over 6,700 wounded warriors.

Analysis

California Maritime Academy
Port of Oakland Project

The California Maritime Academy (CMA) utilized Modeling & Simulation to assess the feasibility and develop recommended procedures for the safe transit of Ultra Large Vessels into and out of Oakland's Inner and Outer Harbors.   In March 2012, as a result of their work, the massive MSC Fabiola, a 1,201-foot, 166,000 ton (loaded) cargo ship, safely sailed under the Golden Gate Bridge and into the Port of Oakland. The Fabiola is the largest ship to ever come under the Golden Gate and one of the largest ships to ever dock in a seaport in North America. The safe movement of these larger ships into and out of American Seaports will lead to strengthened global economic competitiveness while bolstering environmental safety.   Captain Victor Schisler and Captain Greg Brooks are recognized for their leadership of this effort.

Cross-Function

SOFPREP
U.S. Special Operations Command

The U.S. Special Operations Command (USSOCOM) Special Operations Forces Planning, Rehearsal & Execution Preparation (SOFPREP) organization produces precise, enhanced and timely Geospatial-Intelligence (GEOINT) data and 3D scene visualization databases for our Nation's Special Operations Forces (SOF). The SOFPREP team continuously and quickly provides direct support for mission planning and rehearsal to Special Operations Forces worldwide. The Data Archive Research Tool (DART) developed by SOFPREP provides SOF warriors with the capability to research a vast library of over 440 TBs of GEOINT data. SOFPREP has been invaluable to Special Operations Forces "at the tip of the spear."

Individual

Ms. Kim Puckett
Tri-Village High School

Kim Puckett of Tri-Village High School is recognized for her efforts to promote STEM and M&S education.   Recognizing the lack of specific M&S lessons for high school

students interested in engineering, she attended I/ITSEC in 2009 and then served as STEM fellow with the Dayton Regional STEM Center, working as the lead author for a high school M&S course. Her collaboration with the AFRL Gaming Research Integration for Learning Laboratory (GRILL) has enabled her students to work directly with AFRL engineers and scientists, gaining valuable real-world experience.   In addition, she recently received a grant to support a county-wide STEM initiative to foster M&S skills through the study of racing simulation. Her efforts have had a great impact on both her students and the local education community.

Lifetime Achievement

Dr. Stephen Goldberg
U.S. Army Research Institute

Dr. Stephen L. Goldberg is recognized for his important contributions to the development of virtual training technologies and methods while leading the Army Research Institute's Orlando Research Unit. He directed the ARI research program that developed the first SIMNET After Action Review (AAR) system, and was also instrumental in the development of the Dismounted Infantry Virtual After Action Review System (DIVAARS). Dr. Goldberg and ARI were one of the first research teams to conduct empirical human performance and training experiments in Virtual Reality, which led to technological advances and improved training in virtual environments. In addition,Dr. Goldberg has played leadership roles in the Society for Military Psychology, NATO Research and Technology groups, I/ITSEC, and the Technical Cooperation Program. He is also an Associate Editor of the journal Military Psychology.

Training

Mr. Michael Raymond
Air Force Special Operations Command

Mr. Michael Raymond of the 371 Special Operations Combat Training Squadron, Air Force Special Operations Command, is recognized for identifying and solving a critical training need for AC-130 Calls-For-Fire. Mr. Raymond proposed and guided the development of a deployable laptop AC-130 simulator system – the Deployable, Constructive Calls-For-Fire Trainer (DCCT).   Mr. Raymond and his mobile training teams have utilized the DCCT system to train over 1,400 U.S. and allied forces in various locations overseas. Mr. Raymond continues to guide the evolution of the DCCT, including a recent upgrade to include simulated unmanned aircraft systems information.

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