



November 2010  
Volume 1, Issue 8

## Getting Seriously Close

Announcing the Serious Games Showcase & Challenge finalists



If you are anxious to know who the finalists are for the annual Serious Games Showcase & Challenge (SGS&C), you are not alone. The submissions have been carefully reviewed and chosen by a panel of military, academia and industry gaming experts. The annual SGS&C event takes place during I/ITSEC, and emphasizes the global need of serious games for serious training.

The goal of Serious Games Showcase & Challenge is to identify innovative game-based technologies and solutions that improve training across all segments for individuals, groups and systems. SGS&C opens the door for game developers that have the capability to modify a game into a training solution, or program one from scratch, with the intention of developing a serious game solution to enhance training and put their work in front of some of the best gaming and simulation companies in the world. Submissions arrive from individuals, small and large businesses and can be targeted to training in any segment, including education, corporate, or military.

### Congratulations to the following finalists in these categories:

**Business Finalists:** CyberProtect by Carney, Inc; Virtual Walking the Pens by ForgeFX; Clinispace by Innovation in Learning Inc.; Marketing 101 - The Principles of Marketing by Muzzylane; MeTycoon by PlayGen; Rigglefish by Texas A&M University

**Student Finalists:** Energize by FIEA; Terraform by North Carolina State Univ.; InnerCell by UCF IST

**Government Finalists:** Invasion Prevention Corporation's Continuous Process Improvement (CPI) Trainer by DAU; Moonbase Alpha by NASA; Borders Ahoy! The Maritime Interdiction Game by NATO ACT

### Honorable Mentions:

Our Worlds of Makrini by PIXELearning and Attractions Loading Game by Disney University. Winners will be announced on Thursday, December 2nd at I/ITSEC 2010 in Orlando.

[www.iitsec.org](http://www.iitsec.org)

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## Team Orlando Welcomes....

Colonel Mike Flanagan as the new Project Manager Training Devices (PM TRADE) at PEO STRI.

# WHAT TO EXPECT AT I/ITSEC 2010



## THE WORLD'S LARGEST MODELING SIMULATION AND TRAINING CONFERENCE

November 29 - December 2, 2010  
Orange County Convention Center  
International Drive  
Orlando, Florida  
Headquarters Hotel: The Peabody Orlando Hotel  
[www.iitsec.org](http://www.iitsec.org)

### **THIS YEAR'S SERVICE LEAD:**

**AIR FORCE (AFAMS) Alley Booth Numbers 424, 425, 622, 722, 723, 823, 923, & 2244:** The United States Air Force, led by the Air Force Agency for Modeling and Simulation, will demonstrate that Live Virtual Constructive (LVC) is the Core of Air Force Ops – Permeating the Entire Mission. At I/ITSEC 2010, AFAMS will provide a center point for the Air Force Continent, which comprises ten Air Force organizations co-located in one area of the exhibit floor. A special presentation will include all functional domains of Air Force operations and will illustrate how LVC impacts each. You will experience the tools and simulations that lead to successful mission execution. Travel to the world of mission planning, experience training across the entire spectrum of Air Force Ops, view logistics simulations enabling accurate, timely supply chain management, and understand acquisition tools to evaluate lifecycle costs and comparisons. You'll observe the benefits of LVC to the test and evaluation community and how LVC supports warfighter requirements development and analysis.

As the top level Air Force simulation integration organization, AFAMS brings a fully integrated Live, Virtual and Constructive environment to the warfighter, putting decision makers in compelling decision environments. The Air Force Continent has assembled an amazing team consisting of the Air Education and Training Command's LeMay Center Air Force Wargaming Institute, AETC's Trainer Development, the Air National Guard, Air University, the Air Force Research Lab Mesa, the Distributed Missions Operations Center, the Air Force Simulation and Analysis Facility, U.S. Air Force Warfighter Capability Demonstration Center, and the 711<sup>th</sup> Human Performance Wing. Come visit us as we provide a "Crystal clear vision of the Live Virtual Constructive Environment Enterprise Architecture. A crystal clear vision of a future we can't live without".

**ARMY (PEO STRI) Booth Numbers 101, 125, 501 & 2238:** PEO STRI will be offering "Meet the PM" time slots at which time the PM's will present updates and remain in the area to meet with industry to answer any questions they may have. These time slots deconflict with Warfighter's Corner presentations.

Tuesday, 30 November: 1330 - 1430 and 1530 - 1630  
Wednesday, 1 December: 0930 - 1030 and 1330 - 1430  
Thursday, 2 December: 0930 - 1030

All updates will be consolidated and posted to the PEO STRI Public Website after I/ITSEC.

**MARINES (PMTRASYS) Booth Number 2138:** PM Training Systems will provide graphical display of its Products and Services. On hand will be experienced Marines to discuss the capabilities and importance of the systems, environments and services, provided by PM TRASYS, to present and future Marine Corps operations.

**NAVY (NAWCTSD) Booth Numbers 400 & 2144:**

Auto-Diagnostic Adaptive Precision Training - After Action Review (ADAPT-AAR) System

The Auto-Diagnostic Adaptive Precision Training - After Action Review (ADAPT-AAR) system is a perceptual skills training tool designed to aid students and instructors in improving search and detection performance. This is accomplished by measuring perceptual performance via eye-tracking, diagnosing performance issues, and providing individually-tailored feedback through After Action Review (AAR) displays based on trainee performance. With the use of eye-tracking measures, ADAPT-AAR provides individualized performance evaluation, including traditionally unobservable perceptual processes such as visual search and detection. ADAPT-AAR's diagnostic engine then transforms the detailed visual search and detection performance data gathered by the eye-tracker into information, such as key performance deficiencies/inefficiencies, and root causes of errors which can facilitate real-time training. Based on the diagnostic engine output, ADAPT-AAR outputs AAR displays that target individual needs and provide tailored feedback that highlights where trainee performance differed from expert performance, identifies why errors occur, and specifies recommended future training focus areas.

#### AT2 COMMON SIMULATIONS PRODUCTS DEMONSTRATOR

Naval Air Systems Command (NAVAIR) investments in reusable, low cost simulation products have produced a family of government purpose technologies, which provide the primary subsystems for cockpit training devices. This demonstrator features two Government Off the Shelf (GOTS) technology products delivered or developed by Human Systems Research and Engineering Division (4.6.5.) including the Deployable Sensor Scene Simulation System (DS4) and the Common Distributed Mission Training System (CDMTS) Lite.

#### Advanced Warfighter Communication, Command/Control, and Virtual Environment Training Technologies

Multimodal interface technologies assist the warfighter by providing information in a variety of ways (e.g., visual, auditory, haptic). Alternative methods of communication and command/control such as gesture-based inputs are used to accommodate the modality that is most appropriate at any given time based on changing task and environmental conditions. This enables the warfighter to send/receive information to other team members and use a variety of methods for interfacing with computer-based systems such as: virtual environments, wearable computing devices, and robotic platforms. Alternative interface technologies enable intuitive control and feedback within both virtual training environments and operational environments.

#### Naval Seamanship & Shiphandling

Conning Officer Virtual Environment (NSS COVE) The COVE family of trainers is a system of scalable, reconfigurable PC based simulators, offering an immersive virtual reality maritime training environment. They provide the full continuum of navigation, seamanship, shiphandling, piloting, and tactical ATFP (anti-terrorism/force protection) training for Naval personnel.

**Warfighter's Corner Booth Number 685:** Hear warfighter's stories about how simulation and training technology impacts live operations.

## Partnership III Celebrates Grand Opening



Photo (left to right): Capt. William (Roto) Reuter (US Navy); Rep. Dean Cannon; Sen. Dan Webster; Dr. John Hitt (University of Central Florida), Adm. Tim Alexander, Mayor Rich Crotty, Mr. Ken Wheeler (US Army), Col. David Smith (US Marine Corps) and Mr. Sam Fracapane (US Air Force).

Government, military and M&S industry leaders gathered on October 28<sup>th</sup> to celebrate the opening of a new partnership building that will strengthen the growing hub that is quickly becoming the center of attention for creative and successful key elements in the safety of our national defense.

The new building, follows Partnerships I & II, is the largest of the three and accommodates University of Central Florida's Institute for Simulation and Training (IST), USMC's Program Manager for Training Systems (PM TRASYS), National Center for Simulation (NCS), Army's Program Executive Office for Simulation, Training and Instrumentation (PEO STRI), and more. The \$20 million 118,860-square-foot Partnership III building also provides space for UCF's new high-performance computing labs as well as labs for research in physical and biological sciences. Speakers at the dedication included RADM Tim Alexander, Navy Region Southeast; Dean Cannon, speaker-designate of the Florida House of Representatives; retired State Senator and UCF Board of Trustees member Dan Webster and Orange County Mayor Richard Crotty.

## The Florida Tuskers Salute Our Local Veterans!



The Florida Tuskers have extended an offer of complimentary tickets to all Veterans and all active duty military and their family members. The game, being played on November 11<sup>th</sup>, Veterans Day, will be played in the Florida Citrus Bowl stadium. Kick off time is 7:00 p.m. You don't want to miss the pre-game and half-time pageantry surprises during this game!

Additionally, the Tuskers are offering 50% off their ticket price for all government, contractors and industry workforce. Please look for a flier distributed by your PAO's and other resources. Or contact Terri Bernhardt [tmnbernhardt@comcast.net](mailto:tmnbernhardt@comcast.net).  
Go Tuskers!! [www.ufl-football.com](http://www.ufl-football.com)

## SPOTLIGHT PERSON OF THE MONTH: Mr. Joe Wallace



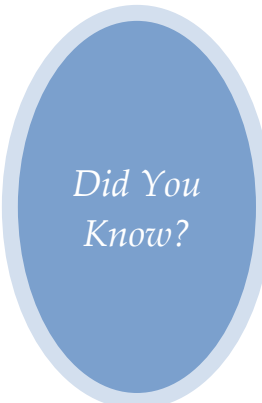
The Central Florida Research Park is always at the top of the list of Research Parks Nationwide. Ranking with North Carolina's Research Triangle and California's Stanford University, Joe Wallace has been at the forefront, leading Central Florida Research Park to its current ranking for almost 20 years. During those years, the park has grown to a thriving and envied position as the 7<sup>th</sup> largest research park in the country.

Today, the 1,027 acre campus-like office park is home to about 106 companies, 9,500 employees, many of them students and UCF graduates, and elements of the U.S. Army, Navy Air Force and Marines, as well as university departments and projects. Although the park's foundation is U.S. military simulation and training research, the door is open to other organizations that can enhance UCF and the area's economic development through partnerships.

UCF's Institute for Simulation and Training, the Advanced Materials Processing and Analysis Center (AMPAC), the Nano Science Technology Center, Central Florida Technology Development Center, the National Center for Forensic Science, Crime Mapping and Data Management and Public Safety Research centers are in the Research Park, along with the Naval Air Warfare Center Training Systems Division and other joint missions with government entities.

On the private side, Siemens Westinghouse, AT&T Wireless, Silicon Graphics, Hewitt Associates and others operate in the park. UCF's Incubation Program is also in the Research Park, providing private industries resources to help them transition university research into products and service.

Thank you, Mr. Wallace for an environment for success and innovation!



### HISTORICALLY SPEAKING: WHY THE NAVY CELEBRATES THEIR BIRTHDAY

The United States Navy traces its origins to the Continental Navy, which the Continental Congress established on 13 October 1775 by authorizing the procurement, fitting out, manning, and dispatch of two armed vessels to cruise in search of munitions ships supplying the British Army in America. The legislation also established a Naval Committee to supervise the work. All together, the Continental Navy numbered some fifty ships over the course of the war, with approximately twenty warships active at its maximum strength.

After the American War for Independence, Congress sold the surviving ships of the Continental Navy and released the seamen and officers. The Constitution of the United States, ratified in 1789, empowered Congress "to provide and maintain a navy." Acting on this authority, Congress ordered the construction and manning of six frigates in 1794, and the War Department administered naval affairs from that year until Congress established the Department of the Navy on 30 April 1798.

In 1972 Chief of Naval Operations (CNO) Admiral Elmo R. Zumwalt authorized recognition of 13 October as the Navy's birthday. Since 1972 each CNO has encouraged a Navy-wide celebration of this occasion "to enhance a greater appreciation of our Navy heritage, and to provide a positive influence toward pride and professionalism in the naval service."

## Collaboration Leads to Avatar Based Interview Simulator (ABIS)

Courtesy of FLETC Journal

How does a training branch find time to research, build and test a solution while maintaining their primary function of instruction? To answer that question look no further than the Training Innovation Division (TID). When the Behavioral Science Division (BSD) wanted to pursue using technology to allow students more time to practice their interviewing skills, they asked the TID about potential options. The TID in turn involved the FLETC Orlando Office, and less than a year later the potential solution in the form of a prototype was already at FLETC Glynco. Resources, such as instructor time, can be very limited in the training division.

Finding the proper solution for many of the challenges presented in the training community is important and the TID is available to assist all FLERC training directorates in this process. The TID has resources located at the Glynco training facility as well as embedded with our Department of Defense (DoD) and academic partners in the Central Florida Research Park, Orlando. Having resources available in both locations gives the TID the ability to assist the training community from the time an idea or requirement surfaces. The TID will assist with exploring solutions, determining which option best meets the FLETC's needs and carrying the

recommended solution into the implementation and testing phases. Using the resources in the TID to help solve training issues reduces the workload on the training divisions, thus allowing instructors the opportunity to concentrate more on their primary responsibilities. The acquisition of the prototype ABIS is an outstanding example of how the process works. The BSD approached the TID early in 2009 about using an interview simulator. After initial discussions, management and instructors of the BSD were invited to meet with the FLETC Orlando team. Leveraging the partnership with various DoD divisions, the TID scheduled demonstrations of interviewing technology for the BSD to evaluate. When the evaluation ended, and the BSD had chosen a technology that would best suit their needs, the TID began the process needed to bring the technology to the FLETC. These processes included coordination with the FLETC Chief Information Officer (CIO) Directorate and the U. S. Army's Program Executive Office for Simulation, Training, and Instrumentation (PEO STRI). Working with the branches within the FLETC CIO Directorate ensured the proper information technology (IT) requirements were gathered for the statement of work and to meet the requirements for bringing the technology to the FLETC. The

completed statement of work and funding were then provided to the PEO STRI office allowing the FLETC to use an Army contract already in place. A prototype interview simulator, with one witness scenario, was delivered in less than a year from the initial idea discussion phase between the BSD and the TID. Technical support for the simulator during the resting phase is being provided by the TID in conjunction with PEO STRI contractors. The BSD continues to test the system with volunteers and provides the feedback to the TID and the simulator development team in Orlando. The information gathered during the testing phase will be used to enhance and prepare the system for implementation.

Providing support throughout the entire development of a project is a TID priority. Our goal is to assist the training community in bringing ideas into existence and to assist with all of the requirements to make this happen. The TID has the resources to air the training community. The people and technology of FLETC TID, together, can turn ideas into reality.

For Inquiries about the ABIS please contact us at:

[fleTC-teamorlando@dhs.gov](mailto:fleTC-teamorlando@dhs.gov)



**City of Orlando's  
Veterans Day Parade  
Saturday, November  
13th  
11:00 a.m. – 1:00 p.m.  
Begins at Orange Avenue  
Ends at Livingston St.  
for information (407) 246-3104**

## Orlando Celebrates Navy's 235<sup>th</sup> Birthday in Style

On Saturday, October 16<sup>th</sup> more than 500 Sailors, civilians and family members from around the Central Florida area celebrated the Navy's 235th birthday during a ball held at the Hyatt Regency Orlando Airport. The Navy Ball is an annual event to celebrate the heritage and history of the fleet. This year's gala honored guest speaker Gordon Nakagawa, Captain USN (RET) and former POW from the Vietnam War.

"The Navy Ball allows us to remember where it is we came from and allows us to celebrate the whole reason we do what we do," said Captain William (ROTO) Reuter. "Every year we celebrate we continue carrying the torch and pass it on to our junior Sailors to carry it into the future."

The evening began with the presentation of colors, playing of the national anthem by the band *Paradise*, and an invocation by COL USA (RET) Lee Barnes, Northrup Grumman. The evening's program continued to celebrate the accomplishments of past shipmates and to keep creating the success of our future. The evening concluded with another naval tradition: the oldest and youngest Sailor in the room cut the ceremonial birthday cake. This year's Senior Veteran Sailor was Mr. Frank Boffi, a decorated WWII Veteran, and the youngest was Ensign Christina Petro, a recent Naval Academy Graduate. Bravo Zulu!

AUSA Sunshine Chapter  
Operation Holiday Cheer 2010  
Taking Care of Our  
Central Florida Deployed Soldiers



Drop off donations on 8 & 9 November  
Mettters Industries:  
12501 Research Pkwy Suite 100  
Orlando, FL 32826  
Join us 13 November at 9 a.m.  
At the Richard L Lewis Armory  
to help pack & ship  
2809 S. Fern Creek Ave. Orlando, 32856

## **SPECIAL ANNOUNCEMENTS:**

**PM TRASYS:** is conducting a ribbon-cutting ceremony for the fielding of the Infantry Immersion Trainer (IIT) located at Camp Pendleton, CA on 16 Nov. The IIT is a small-unit training range consisting of urban structures finished and decorated to replicate geo-specific locations and paired with integrated direct-firing training systems, virtual simulation screens and indirect-fire windows, and video instrumentation for after action review.

### AFAMS NEW CAPABILITY

AFAMS demonstrated a new breakthrough capability in October at Green Flag East at the Joint Readiness Training Center. An AFAMS Team developed the ability to integrate a Live, Virtual and Constructive environment for Joint Terminal Attack Controllers in the field. The capability gives JTACs unfettered access to ISR streamline video in the field; the most robust live training they will receive before deployment. To read the story, please visit: <http://www.afams.af.mil/news/story.asp?id=123228602>

NATIONAL CENTER FOR SIMULATION (NCS): Clean out your store rooms and junk closets and join us on November 10<sup>th</sup> to get rid of your unwanted electronics equipment. A portion of the proceeds will benefit the NCS scholarship program. If you plan to participate, please give NCS the favor of a ready reply email to Ron Stiles at [rstiles@simulationinformation](mailto:rstiles@simulationinformation).



GameTech 2011 Monthly Update  
Follow the latest trends  
offered during GameTech  
[www.teamorlando.org/gametech](http://www.teamorlando.org/gametech)

### **GameTech 2011 Announces First Keynote Speaker**

Major General Nickolas G. Justice, RDECOM Commanding General, will be a keynote speaker at GameTech 2011. Major General brings award-winning and significant joint service and acquisition experience.

For more information: [www.teamorlando.org/gametech](http://www.teamorlando.org/gametech)

### Team Orlando Representatives

- Program Executive Office Simulation Training and Instrumentation (PEO STRI)
- Naval Air Warfare Center Training Systems Division (NAWCTSD)
- Program Manager Training Systems (PM TRASYS)
- Air Force Agency for Modeling and Simulation (AFAMS)
- Simulation & Training Technology Center (STTC)
- Army Research Institute (ARI)
- Joint ADL Co-lab
- Defense Acquisition University (DAU)
- Federal Law Enforcement Training Center (FLETC)
- United States Joint Forces Command (USJFCOM J7)
- Veterans Affairs (VA)

### Liaisons

- University Central Florida Institute for Simulation Training (UCF IST)
- National Center for Simulation (NCS)
- Economic Development Commission (EDC)

### Upcoming Events:

#### Marine Corps Birthday Ball

November 13, 2010  
Rosen Centre  
Orlando, FL  
[www.marcorssyscom.usmc.mil](http://www.marcorssyscom.usmc.mil)

#### I/ITSEC

November 29-December 2, 2010  
Orange County Convention Center  
[www.iitsec.org](http://www.iitsec.org)

#### Otronicon

January 14-17, 2011  
Orlando Science Center  
[www.otronicon.org](http://www.otronicon.org)

#### TechNet

January 19-21, 2011  
Radisson University Hotel  
Orlando, UCF  
[www.afcea-orlando.org](http://www.afcea-orlando.org)

#### Defense GameTech Users' Conference

March 21-25, 2011  
Caribe Royale Orlando  
[www.teamorlando.org/gametech](http://www.teamorlando.org/gametech)

#### MT3 Conference

June 2-4, 2011  
Renaissance Sea World Orlando  
[www.mt3.bz](http://www.mt3.bz)

#### Army Ball

June 18, 2011

#### Navy Ball

October 15, 2011



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The 10-4 is a monthly publication that is distributed electronically on behalf of Team Orlando. The information contained herein is intended to inform members of the internal and external community about Team Orlando programs and events. The information contained within the 10-4 does not necessarily represent official views of the U.S. Government, nor should they be perceived as an endorsement by the U.S. Government, the Department of Defense or any of its subordinate organizations.

Team Orlando is established by a Department of Defense Inter-Service Charter that builds upon a partnership established between the Army and Navy over 60 years ago. Today, Team Orlando members from Government, academia, and industry are focused on one common goal: To improve human performance through simulation. [www.teamorlando.org](http://www.teamorlando.org).

Please send story ideas for the 10-4 to: [media@teamorlando.org](mailto:media@teamorlando.org)

Respectfully submitting for Team Orlando,  
Editor: Terri M. Bernhardt