



## New Training Facility a Direct Result of Innovative Team Orlando Collaboration

by Dolly Glass

Colonel David A. Smith, PM TRASYS, was scheduled to attend a ribbon-cutting ceremony to unveil a newly constructed training area for an Infantry Immersive Trainer (IIT) on Aug. 26 at Camp Lejeune, North Carolina, however Hurricane Irene had other plans, causing the special event to be canceled, but not dampening

the excitement about the new facility which opened for Marines' use on Sept. 1.

The 32,000-square-foot facility was designed to give Marines a realistic training before being deployed to Afghanistan. Built from a renovated warehouse, the IIT provides a realistic, reconfigurable, fully immersive training environment for the development of small tactics and individual mission essential task lists of deploying infantry units training at the home station.

"Although using the IIT is not a mandatory phase of a unit's pre-deployment training, the new facility at Camp Lejeune will allow Marines the opportunity to hone the infantry combat tactics, cultural awareness training and language skills in a physical environment similar to what they will encounter in Afghanistan," said Col. Smith. "The sights, sounds, smells and use of culturally accurate role players create the immersive training environment."

This \$20 million project is a hyper realistic, next generation training facility for infantry squads and commanders. The site incorporates virtual Avatars, Tactical Video Capture Systems cameras, atmospheric and set dressings, ambient sound speakers, scent generators and native Afghan role players.

One of the unique features of the IIT is the high fidelity, digital photograph murals on external and internal walls of the facility that are used to give Marines a sense of greater training space. "The murals show terrain, crops and distant mountains the way a Marine's view is toward the horizon," said Col. Smith. "They create the illusion of a wide open area, but within a confined space."

Fifty-eight speakers are placed throughout the IIT space in order to provide realistic ambient sounds, such as local crowds, farm animals and call to prayer, and the Scenario Planning and (continued on page 3)

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### Did You Know?

Approximately 50 million visitors come to Orlando each year for business and pleasure. Of those guests, 48 million are domestic visitors.

Approximately 53 percent of Orlando's international visitors are from Western Europe followed by Canada 24 percent, South America 11 percent and Asia 4 percent.

# iFest 2011 Unveils Its New Name



(This article was provided to 10-4 by ADL's Outreach Team)

ADL's iFest 2011, formerly called ImplementationFest, debuted its new name to reflect the expanded scope of ADL's program. The tag line reiterated three important, descriptive words beginning with "i" that capture the range of the ADL mission: innovation, instruction and implementation. The event, held at the Rosen Centre in Orlando, Florida from August 2 through 4, drew more than 260 attendees from government, military, industry and academic sectors.

ADL also launched its new web site at iFest: [www.adlnet](http://www.adlnet). Please check out our new look and new features, and provide feedback. Click the iFest Presentations button on the home page to see the full list of iFest 2011 topics and presenters.

Throughout iFest, presenters asked attendees to respond to multiple choice questions using small, interactive keypads provided by Turning Technologies. Responses were tabulated and displayed in real time so that speakers could know who their audience was, see audience opinions on various issues, and address specific issues on the spot.

## Day 1, Tuesday, August 2



(Photo left: Mr. Frank DiGiovanni shares his vision with iFest attendees)

Frank C. DiGiovanni, Director, Training Readiness and Strategy in the Office of the Secretary of Defense, spoke of the need to continue looking ahead for the next emerging technology and not become stagnant. He also shared his thoughts regarding a future Personal Learning Assistant that would be human centric and customizable to each user's needs, learning style and personal preferences.

ADL Director Dr. Kristy Murray followed by sharing her insights on ADL and the Learning Future. While the Sharable Content Object Reference Model (SCORM®) has been the focus of ADL's activities in the past, the future for ADL will involve maximizing the potential for learners via technical innovation. Dr. Murray introduced the themes of ADL's newest areas of research: the Next Generation Learning Environment and the Next Generation Learner. She also recapped examples of ongoing projects in Mobile Learning, Games and Virtual Worlds, and prototypes demonstrating Search & Retrieval capabilities with various repository and registry projects.



(Photo left: ADL Director Dr. Kristy Murray welcomes Dr. Woolf to the stage)

Dr. Beverly Park Woolf, Director of [The Center for Knowledge Communication](#) at the University of Massachusetts Amherst, spoke of the need to move learning outside of the schoolhouse where information would be always available and shared the results of her research on the potential of intelligent tutoring systems. Dr. Will Thalheimer, president of [Work-Learning Research](#), shared myth-busting results of his research-based methods on audience response technology.

Reporting on ADL in the Joint community, Joe Camacho, Director of [Joint Knowledge Online](#), described how training has grown from web-based to small group scenario training, and the plan for the next steps that will utilize mobile learning technologies. Major General Thomas Jones reported on the Outdoor Odyssey program. The aim of Outdoor Odyssey is to help those who have served recover and transition back to civilian life with the help of virtual world simulation strategies.

(continued on page 8)



Photo of DeFlorez Building, home to NAWCTSD.

## NAWCTSD's Five Year Stronghold in the Top 100 Companies for Working Families

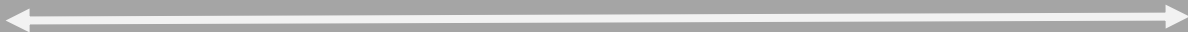
by Terri Bernhardt

For the past 18 years, The Orlando Sentinel has published a report celebrating the best companies to work for in Central Florida. The annual *Top 100 Companies for Working Families* honors companies that make family a top priority. Whether its offering flex time, home office set ups or onsite day care these companies foster flexible work ethics, creative benefits and foster a unique corporate culture. Team Orlando's Naval Air

Warfare Center Training Systems Division (NAWCTSD) is ranked number 23 on this year's list, in the 250 employee and over category. The award was announced at an awards' ceremony on August 5, 2011.

"As most of you know, people have long been one of my top priorities," stated CAPT Bill "Roto" Reuter, USN Commanding Officer NAWCTSD/Naval Support Activity Orlando . "We simply cannot be the world class organization that we endeavor to be without treating each other with respect while fostering a free flow of communication that stimulates innovation. We realize that it is important to continually develop our fellow teammates to become the leaders of our organization. I believe that an organization that is made up of people who have the proper personal and professional balance will be able to serve our fleet and our nation.

NAWCTSD has been recognized for five consecutive years on the list offering imaginative and inventive solutions to make their workers' lives less hectic. Their philosophy holds strong in elevating their workforce and NAWCTSD's long term plans include creative ways to remain supplier of choice for training and human performance solutions to enhance the capability of the Nation's Warfighters.



(CAMP LEJEUNE from page one)

Effects Control was developed and installed by Team Orlando partner Naval Air Warfare Center Training Systems Division (NAWCTSD).

The new IIT at Camp Lejeune is the second unique training site to open and will provide the foundation for a broader initiative called "Squad Immersive Training Environment", which mixes live and virtual training. An outdoor IIT opened at Camp Pendleton, California, last November and the third site at MCB Hawaii will be ready for training in October. This is a much larger outdoor site that has three replicas of Afghan villages. The total program cost of these efforts was approximately \$95 million.



## Who Visited Team Orlando?



### Welcome, Mayor Jacobs!

by Dolly Glass

Team Orlando hosted Orange County Mayor Teresa Jacobs Aug. 31, giving her the opportunity to spend time with Team Orlando leaders and learn more about the accomplishments made possible by the collaborative partnership and the strengths that each of the members brings to the mission of improving human performance.

“This unique partnership of government, industry and academia has become such a vital part of our economy,” said Mayor Jacobs. “The task of training our military is an awesome responsibility, and I have seen firsthand that the Team Orlando concept is efficient, economical and environmentally viable.”

She added, “I’m also excited about the opportunities to apply modeling and simulation technology to other business sectors in our region, such as life sciences, education and transportation.”

The gathering took place at the Naval Air Warfare Center Training Systems Division (NAWCTSD), and the Mayor, who said she was very impressed during by the Team Orlando briefing, kicked off her visit with a photo opportunity in front of a display F/A-18 Hornet. From there, she participated in a presentation and discussion, led by NAWCTSD Commanding Officer CAPT Bill Reuter, which provided the Mayor with an overview of one of the nation’s largest Modeling and Simulation industry clusters.

“The foundation of Team Orlando is built on partnerships,” said Pete Marion, Assistant PEO for Customer Support, US Army Program Executive Office for Simulation, Training, and Instrumentation. “We are very pleased that Mayor Jacobs was able to visit with Team Orlando and see firsthand the results of our partnerships with government and non-governmental organizations.”

Team Orlando is a collaboration of each of the military services training and simulation commands, state, academic and industry organizations focused on modeling & simulation, human performance, and training, unique to the region and the City of Orlando. The presentation explained the role Team Orlando has in supporting the warfighters, as well as the positive economic impact this synergy has created.

Following the presentation, the group was escorted to the NAWCTSD Dome Room where a visual systems demonstration was presented by David Wieselthier, Visual Systems Engineer, and Gary Fraas, Director of Advanced Simulation, Visual & Software Systems Division, showing the Mayor the in-depth work associated with using visual displays to accomplish specific training tasks. The group then departed for a tour of the University of Central Florida’s Institute for Simulation and Training (IST), before attending a luncheon hosted by SAIC in her honor.

In addition to Reuter and Marion, the following Team Orlando members who were on hand to answer the Mayor’s questions included Walt Augustin, Technical Director, NAWCTSD, Michael Willoughby, Deputy Director, Joint Training Integration and Evaluation Center, Col. David Smith, USMC Program Manager Training Systems, Robert Rohlfing, Deputy Director, Air Force Agency For Modeling and Simulation, CAPT Steven Nakagawa, Executive Officer, NAWCTSD, Randall Shumaker, Director, IST, UCF and Lt. Gen. Tom Baptiste, USAF (Ret.) National Center for Simulation.

### Welcome, Gov. Rick Scott!

(courtesy of Brian Roscoe, NAWCTSD)

Florida Governor Rick Scott visited Naval Support Activity Orlando to learn more about the military's modeling and simulation industry, August 12, 2011.

During his visit Naval Air Warfare Center Training Systems Division Orlando Commanding Officer, Capt. Bill Reuter described the accomplishments made possible by the partnership of the members of "Team Orlando." Team Orlando is a collaboration of each of the military services training and simulation commands, state, academic and industry organizations focused on modeling & simulation, human performance, and training in one of the nation's largest Modeling and Simulation industry clusters. (next page)

Following Reuter's introductory remarks, Scott participated in a brief round-table discussion with Team Orlando leaders about the role they have in supporting warfighters. The group focused on the positive economic impact Team Orlando has on area employment. They also discussed the benefits of the collaboration between the Department of Defense and local academia, especially the University of Central Florida.

In addition to Reuter, the following Team Orlando members who were on hand to answer the Governor's questions:

- Walt Augustin, Navy, NAWCTSD
- Mr. Pete Marion, Army, PEOSTRI
- Dr. Neil Finkelstein, U.S. Army Simulation and Training Technology Center
- Col. David Smith, USMC Program Manager Training Systems (PM TRASYS)
- Col. Marcus Boyd, Air Force Agency For Modeling and Simulation
- Dr. Stephen Goldberg, Army Research Institute
- Ms. Kristy Murray, Advanced Distributed Learning Co-Laboratory
- Dr. John Hitt and Dr. Dan Holsenbeck, University of Central Florida
- Lt. Gen. Tom Baptiste, USAF (Ret.) National Center for Simulation



Naval Air Warfare Center Training Systems Division Orlando Commanding Officer, Capt. Bill Reuter greets Florida Governor Rick Scott August 12, 2011.

The governor said he was impressed with the work Team Orlando does adding that the military represents about 10 percent of Florida's economy.

Scott stopped in Orlando one day after a Meeting in Key West with Commanding Officers from each of Florida's military bases.



**GameTech 2012**  
March 26-30, 2012  
Caribe Royale, Orlando, Florida

### **National Center for Simulation (NCS) to Host GameTech 2012**

Building on the long-standing government, industry and academic relationship, Team Orlando recently announced that the National Center for Simulation (NCS) will host the 2012 GameTech Conference. The management move to NCS recognizes Central Florida as a hub of game-based training for the military and builds on previous growth and success of the GameTech conference.

Defense GameTech Users' Conference focuses on serious games, mobile applications and virtual world technologies, and it features leading keynote speakers from government and industry. In March 2011, the conference drew almost 600 attendees. The 2012 conference will be held at the Orlando Caribe Royale March 26-30, 2012. Additional information on the 2012 conference, as well as presentations and video highlights from the 2011 Defense GameTech Users' Conference, can be found at [www.teamorlando.org/gametech](http://www.teamorlando.org/gametech).



## **2011 THEME: Overcoming Critical Global Challenges with Modeling & Simulation**

MODSIM World is a unique multi-disciplinary international conference for the exchange of modeling and simulation knowledge, research and technology across industry, government and academia. The MODSIM World Conference and Expo began in 2007 when the Hampton Roads Partnership's Center for Public/Private Partnership (CP3) saw the need to share information about and interests in the vast amount of modeling and simulation (M&S) based development occurring in the Hampton Roads area.

In part, because of the synergy created by the efforts of Joint and Coalition Warfighting (JCW), Virginia Modeling, Analysis and Simulation Center (VMASC), Eastern Virginia Medical School (EVMS), NASA Langley, and the many other military organizations, colleges, universities, and industry organizations, it became obvious there needed to be a regular forum for the sharing of M&S knowledge and achievement in the region. MODSIM World sprang forth. Today, MODSIM is in its fifth cycle, growing larger every year.

### **Conference schedule:**

<http://www.modsimworldconference.com/schedule.html>

### **To register:**

[http://www.modsimworldconference.com/\\_docs/2011registration.pdf](http://www.modsimworldconference.com/_docs/2011registration.pdf)

### **Website:**

[www.modsimworldconference.com](http://www.modsimworldconference.com)

## SPOTLIGHT PERSON OF THE MONTH: Mr. Pete Marion, PEO STRI



Mr. Pete Marion, Assistant Executive Officer for Customer Support, PEO STRI

Peter B. Marion is the Assistant Program Executive Officer for Customer Support for the Program Executive Office for Simulation, Training and Instrumentation (PEOSTRI). In his role, Marion serves as the principal assistant to the Program Executive Officer for all external contract activity including the foreign military sales program

A graduate from the United States Military Academy at West Point with a Bachelor of Science Degree in Engineering, Marion was commissioned through West Point and served active duty from 1975 to 1995 in a wide variety of operational and training, command and staff assignments in Germany and the United States. He has been heavily involved with Army operations, training and leader development for a significant portion of his career.

Furthering his diversity and broad experience, he has also served as a Division Chief for Constructive Simulations at the National Simulation Center at Ft. Leavenworth, KS, where he was instrumental in developing and fielding the computer war game used in all division and echelon-above-corps exercises for the United States Army.

Mr. Marion, who serves as a Team Orlando (TO) Board of Directors member, talked about why TO was created more than a decade ago and how the original intent of the group was to focus on addressing issues associated with the installation support. The idea was to provide coordinated information to the City of Orlando, keeping them up to date

about what was happening on our “base”; although today the focus has changed somewhat. “Over the last four or five years, it was recognized that Team Orlando should be expanded to address common areas of interest for all the services,” said Marion. “Hence the mission statement we have of improving human performance through simulation. In that aspect, a lot of everything we do today is not so much focused on infrastructure but more on how we draw synergies from each other’s capabilities.”

A number of communities have visited Team Orlando, looking to the group as a model for what they can do. “We’re pretty unique in our relationship with UCF as the predominant, academic institution here in the area,” said Marion. TO has relationships with other academic institutions, but this long-standing relationship has grown as each of the organizations have matured. Marion added, “There’s no other city or region that has any relationship like Team Orlando, other than Orlando.”

This group has been high achieving and collectively hit a milestone when they starting surpassing the \$5 billion mark for yearly acquisition activity. However, even with that, Marion feels there are areas that merit continued support, one of which is Air Force presence. “I think as a community, we should try to encourage the Air Force to look where they are doing their modeling and simulation and enhance the capability down here,” he said. “I think that should be one of the high level goals.” Marion also noted that TO needs to continue to look for how to expand from their traditional Live, Virtual and Constructive domains into collateral areas of interest, noting that he believes the medical area is a step in the right direction. “We need to explore other potential opportunities like this that are collateral areas of interest to us,” he said.

Living in Orlando is a plus for Marion who enjoys outdoor sports and activities like golfing, fishing, as well as traveling. “We live in an area that has lots of recreational activities, and that is a wonderful opportunity to enjoy the outdoors,” he said. “I like to take full advantage of that.”

It’s obvious that Marion is proud of the work that Team Orlando is doing and the effect its synergy has on the region. “It’s important for the whole community to recognize that we are very fortunate,” Marion said. “We have the life-cycle program in place where we can replenish our intellectual capital with the best and brightest students coming out of UCF and the surrounding colleges, as well as prior service military

(iFest from page 2)

Breakout sessions covered a range of topics with round table and panel discussions, including updates on the [Federal Learning Registry Project](#), the [3D Repository](#) and other ongoing discovery-and-access activities. Presenters also gave updates on SCORM, [Project Tin Can](#), Apps on a Global Object Repository Architecture (AGORA), and Games for Learning.

### Day 2, Wednesday, August 3

(Photo right: James (Jim) Shelton from the US Dept. of Education addresses iFest)

Highlights included a report from James (Jim) Shelton III, Assistant Deputy Secretary for Innovation and Improvement, U.S. Department of Education, on Reclaiming American Educational Leadership and the need to incorporate new technology faster into our nation's schools.

Dr. Robert Sottolare from the U.S. Army Research Lab and Dr. Scott Douglass from the Air Force Research Lab talked about their efforts toward making computer-based tutoring adaptive and personalized.

Jonathan Poltrack, ADL Technical Team Lead and Dr. Shane Gallagher, ADL Instructional Design Team Lead, presented a live demo illustrating how a Next Generation Learning Environment permits next generation learners to use multiple learning environments while tracking a wide range of the learner's activities. They provided more details in separate breakout sessions.

Wayne Gafford, ADL Government Integrator and his team reported on the [Bridge API Project](#) and open source tools for instructional developers and life cycle managers. Other sessions focused on the latest training uses for Mobile Learning and Virtual Worlds.

### Day 3, Thursday, August 4

Special recognition was given to Dr. Marjorie Zielke, from the University of Texas, the first-place winner of the [Innovations in DoD Gaming Award](#) at the 2011 Defense GameTech Users' Conference, who showcased the award-winning First Person Cultural Trainer.

[Naval Postgraduate School](#) Professor Rudolph Darken talked about Hybrid Education Models and Erik Sand from [360Ed, Inc.](#) described A Learning Environment for the 21st Century Learner. Other topics included a report on an iPad pilot study at the [Naval War College](#), Transmedia Storytelling, and the importance of integrating good design with the latest learning technologies.



### Thank you

Thanks to all who attended, presented and exhibited at iFest 2011. Thank you also to Brent Smith, Mike Hruska, Jonathan Poltrack, Nik Hruska and all of the performers who provided musical entertainment with the Jamming Metadata Band, featuring talented musicians from the ADL community. You made the opening night reception fun and memorable.

(Photo left: Attendees gather in exhibit area during the iFest 2011 reception)

We'll see you next year in Orlando for iFest 2012, July 31 – August 2.

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,

Terri M. Bernhardt, Editor  
Dolly Glass, Staff Writer, Contributing Editor



#### 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)**
- **US Air Force Training Systems Product Group (TSPG)**
- **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)**
- **JCS J7 Joint and Coalition Warfare (JCW)**
- **Veterans Administration (VA)**

#### **Liaisons**

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

#### **Upcoming Events:**

ModSim World  
October 14, 2011  
Virginia Beach, VA

Navy Ball  
October 15, 2011  
Hyatt Regency Orl Airport  
[www.cfnavyleague.org](http://www.cfnavyleague.org)

Marine Corps Ball  
November 12, 2011

I/ITSEC  
November 28-December 1  
Orange County Convention Center, Orlando, Florida  
[www.iitsec.org](http://www.iitsec.org)

Otronicon  
January 13-16, 2012  
Orlando Science Center

TechNet  
January 18-20, 2012  
Radisson Hotel UCF  
co sponsored by: AFCEA & AUSA

GameTech  
March 26-30, 2012  
Caribe Royale Hotel, Orlando, Florida  
[teamorlando.org/gamtech](http://teamorlando.org/gamtech)

MT3 Conference  
May 2012

TSIS  
June 2012

iFest  
August 2012



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