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WELCOME

WELCOME ATTENDEES OF I/ITSEC 2011:

On behalf of the United States Army, the lead Service; our sponsoring association, the National Training and Simulation Association; the Service Executives and Principals; and the 200-plus volunteers from the Army, Air Force, Navy, Marine Corps, Coast Guard, Office of the Secretary of Defense, Industry and Academia, I have the distinct honor to welcome you to the 2011 Interservice/Industry Training, Simulation and Education Conference.

2011 will be remembered as a time of change and uncertainty within our military structure. The drawdown in Iraq, change of mission in Afghanistan, and reduction in some military units further emphasizes the need for training solutions to prepare the force. Advances in Modeling and Simulation technology pave the way to secure the future by providing cost effective, immersive training environments for our forces. Therefore, the theme for I/ITSEC 2011 “Prepare the Force...Secure the Future” emphasizes the need to provide quality training and training system products that will ensure our troops are prepared for any conflict that arises.

The technologies that are showcased at I/ITSEC among Industry, Government and Academia help secure the future of the United States and Coalition partner military services. I/ITSEC 2011 continues its tradition as the premier modeling, simulation, training and education conference by providing both a professional symposium offering world-class presentations and an exhibit hall that showcases the latest technology. This year’s team of Government, Industry, and Academic professionals assigned to the six Subcommittees, the Conference Committee, and the Tutorial Board has spent the past year working diligently to ensure the success of this year’s conference. The team has developed a quality program consisting of 24 tutorials, 151 paper presentations, 7 Special Events, and over 500 exhibits. Additionally, the featured Special Events—the Future Leaders Pavilion, the Serious Games Showcase & Challenge, and the Warfighters’ Corner—will be returning this year.

Finally, I’d like to thank all of the dedicated volunteers and their sponsors who have helped make I/ITSEC 2011 a reality. Their dedication to our industry helps ensure I/ITSEC continues as a quality event for sharing and displaying of the latest advancements in technology related to our industry. I sincerely hope you enjoy the events and exhibits these volunteers have worked so hard to bring to you over the next few days.



Cyndi Turner
I/ITSEC 2011 Program Chair



KEYNOTE SPEAKERS



**Lieutenant General
Keith C. Walker, USA**
U.S. Army Training
and Doctrine
Command, Deputy
Commanding
General, Futures
and Director,
Army Capabilities
Integration Center

LTG Walker assumed duties as Deputy Commanding General (DCG) – Futures, Training and Doctrine Command, and Director Army Capabilities Integration Center (ARCIC) on 15 August 2011. He graduated from the United States Military Academy (USMA) at West Point, New York, in 1976 with a BS and holds a MBA from Harvard University, 1984. His military education includes the Armor Officer Basic Course, Infantry Officer Advanced Course, Army Command and General Staff College, and Army War College. Commissioned an Armor Officer in 1976, he served in a variety of troop leading and staff positions in the United States, Europe, and Iraq, including 1st Sqdrn, 3rd ACR; 3rd Bn, 69th Armor, 24th Inf Div (Mech); 1st Bde, 1st AD; 1st Bn, 69th Armor and 2nd Bde, 3rd Inf Div (Mech). He was an instructor at USMA and subsequently served in the 3rd Inf Div (Mech), later re-designated 1st Inf Div (Mech).

LTG Walker was assigned to SHAPE, Belgium, as a Special Assistant to the Supreme Allied Commander, Europe in April, 1999 and in June 2001 served as Executive Officer to the Commanding General (CG), U. S. Army Europe, Heidelberg, Germany. He served on the Army Staff as Chief, Strategic Plans, Concepts, and Doctrine in 2002. He was assigned as Chief of Staff of the 1st Cav Div in August 2003, and served as the CoS of 1st Cav Div and TF Baghdad from March 2004 through March 2005. In May of 2005, LTG Walker returned to the Pentagon to the Joint Staff J5 as Chief, Iraq Division; and in June 2006, he transferred to the ARSTAF as Dep Dir for Strategy, Plans and Policy, G-3/5. In July 2007, he reported to Fort Riley, Kansas, as DCG (Ops), 1st Inf Div. LTG Walker served as CG, Iraq Assistance Group, June 2008 to July 2009. Prior to his arrival to the ARCIC, LTG Walker served as the Commander, Brigade Modernization Command, Fort Bliss, Texas, from August 2009 to July 2011.

Lieutenant General Walker is married to the former Valerie Warner. They have two sons and two daughters, Laura, Brian, Duncan and Audrey.



Ms. LeAnn Ridgeway
Vice President and
General Manager
Simulation and
Training Solutions
Rockwell Collins

Ms. LeAnn Ridgeway is vice president and general manager of Simulation and Training Solutions for Rockwell Collins. Ms. Ridgeway is responsible for the company's simulation and training business that includes technical publication, re-hosted avionics, computer and desktop training, training devices and visual systems.

Previously, Ms. Ridgeway served as vice president and managing director, Americas for Rockwell Collins, where she was responsible for leading business development for the company's service operations in North and South America. In addition, she was responsible for operations, facilities and business development of commercial and government products in the Americas, with the exception of the United States.

Ms. Ridgeway also served as senior director, Engineering Services for Rockwell Collins, leading a global network of 400 Rockwell Collins field service engineers providing complete life cycle service and support for installations, operations, maintenance, upgrades, and repairs. This included running the Network Operations Center (NOC), providing 24/7 technical support, network monitoring, data capture, trend analysis and help desk services. Additionally, she lead the company's Integrated Logistics Support Organization which provides total cost of ownership (TCO) engineering, obsolescence management, depot operations, provisioning, logistics and information assurance management. She joined Rockwell Collins in 1988 and has held various positions of increasing responsibility.

A native of Anamosa, Iowa, Ms. Ridgeway earned her bachelor's degree in Business and Economics from Mt. Mercy College. She earned her master of business administration degree from St. Ambrose University.

Ms. Ridgeway is currently a member of the Board of Directors for Starlighter's Theater, and the Eastern Iowa Red Cross. She has previously served on the Anamosa Foundation and School Board, Anamosa Legislative Action Committee, Jones County Empowerment Board, Jones County Executive Board, and the Wapsipinicon Country Club.

CONFERENCE LEADERSHIP

Conference Chairs



Dr. Michael G. Genetti
I/ITSEC 2011
Conference Chair

Mike Genetti is a Principal Account Manager in the Orlando, Florida, office of Rockwell Collins Simulation & Training Solutions. He has been working in the simulation and training industry since his retirement from the US Army in 1996. His active duty career included an assignment on the staff of PEO Aviation where he coordinated simulation and training activities within the PEO and was the liaison between the PEO, the Aviation Warfighting Center, and STRICOM (now PEO STRI), and an assignment as Associate Professor of Engineering Management, Department of Systems Engineering, United States Military Academy, West Point, NY. He is a graduate of the Armed Forces Staff College and the Defense Acquisition University's Program Manager's Course. He began his service on I/ITSEC subcommittees in 1999, eventually serving as the Deputy and then Chair of the Research and Development subcommittee. Mike served as the I/ITSEC Program Chair in 2009. He has served as President of the Association of the United States Army (AUSA) Sunshine Chapter and is on the boards of both of the Central Florida Chapters of the Army Aviation Association of America (Quad A) and the National Defense Industrial Association (NDIA). He holds a Bachelor of Science degree in General Engineering from West Point, a Master of Science degree in Industrial Engineering from Auburn University, and a Doctoral degree in Industrial Engineering from Stanford University.



Cyndi Turner
I/ITSEC 2011
Program Chair

Cyndi Turner is the Director of Business Development, Simulation and Training Products, for General Dynamics Information Technology in California, Maryland. She is a skilled Systems Engineer and Program Manager with over twenty five years experience on a variety of maintenance/operational training system programs for the Air Force, Navy, Army, and Marine Corps. Cyndi has been an I/ITSEC contributor and leader since 1994. She presently holds a seat on the I/ITSEC Conference Committee as the 2011 Program Chair and previously served as a Special Projects coordinator on the Conference Committee before moving into an I/ITSEC Leadership role. Cyndi also served on various subcommittees moving up to the Deputy and then the Subcommittee Chair for Education in 1996 and Training in 2008. Cyndi is currently involved with STEM initiatives with the St. Mary's County, MD, Public Schools where she serves as a member of the STEM Advisory Board. Cyndi holds a BS Degree from Southern Illinois University and an MBA from Le Tourneau University.

Conference Sponsor



RADM Frederick L. Lewis, USN (Ret.)
President,
National Training
and Simulation
Association

A Naval Academy graduate and naval aviator, Fred Lewis' military career included deployments to the Atlantic and Pacific Oceans, the Mediterranean Sea, and combat action in Viet Nam. Initial flag officer assignments included Director, Strike and Amphibious Warfare (Pentagon); Commander, Tactical Wings, Atlantic; and Commander, Naval Safety Center. He was sent back to sea in 1991 as Commander, Carrier Group FOUR and Commander, Carrier Striking Forces, Atlantic. In March 1993 he became the first Commander of the Naval Doctrine Command located in Norfolk, Virginia. During his naval career, he accumulated over 6,500 accident-free flying hours in tactical aircraft and over 1,200 carrier arrested landings. In December 1995 he joined the National Training and Simulation Association as the President.



Lt Gen Lawrence P. Farrell, Jr., USAF (Ret.)
President,
National Defense
Industrial
Association

Prior to his retirement from the Air Force in 1998, General Farrell served as the Deputy Chief of Staff for Plans and Programs, Headquarters U.S. Air Force, Washington, D.C. He was responsible for planning, programming and manpower activities within the corporate Air Force and for integrating the Air Force's future plans and requirements to support national security objectives and military strategy. A command pilot with more than 3,000 flying hours, he flew 196 missions in Southeast Asia, and commanded the 401st Tactical Fighter Wing, Torrejon Air Base, Spain. He is a graduate of the Air Force Academy with a BS in Engineering and an MBA from Auburn University. General Farrell became President of the National Defense Industrial Association in September of 2001.

INTERSERVICE EXECUTIVES



James T. Blake, Ph.D.
Program Executive Officer
for Simulation, Training
and Instrumentation



**Captain William H. "Roto"
Reuter, IV, USN**
Commanding Officer
NAWCTSD / Naval Support
Activity Orlando



Colonel David A. Smith, USMC
Program Manager
Training Systems, Marine
Corps Systems Command



Colonel Peter K. Eide, USAF
Chief, Simulators Division,
Air Force Materiel
Command



Frank DiGiovanni
Director, Training
Readiness and Strategy
ODASD (Readiness)

DR. JAMES T. BLAKE is responsible for simulation, training and test/instrumentation to support the U.S. Army. PEO STRI manages \$3 billion in programs with a workforce of 1,200 employees. In addition to his responsibilities as the PEO, Dr. Blake is dual-hatted as the Head of Contracting Activity authority. He oversees PEO STRI's Acquisition Center that manages approximately 950 contracts valued at \$10 billion. During his military career, Dr. Blake conducted aviation operations in Vietnam. He is a dual-rated Master Army Aviator. Dr. Blake retired as an Army colonel serving as the Senior Uniformed Army Scientist. Following his military career, Dr. Blake joined the Simulation, Training and Instrumentation Command as the Program Manager for the Institute for Creative Technologies. In March 2003, Dr. Blake became a member of the Senior Executive Service. Dr. Blake holds level-three certifications in six acquisition career fields. In 2008, he received the Presidential Rank Award for Meritorious Service. Dr. Blake is a graduate of the U.S. Army War College and holds a PhD in Computer Science from Duke University.

CAPTAIN WILLIAM H. "ROTO" REUTER, IV, USN: The Naval Air Warfare Center Training Systems Division (NAWCTSD) is the Navy's principal center for modeling, simulation, and training systems technologies. The command provides training solutions and research for a wide spectrum of military programs, including aviation, surface & undersea warfare, and other specialized requirements. Captain Reuter leads a workforce of over 1,000 scientists, evaluators, engineers, technicians, logisticians, contracting specialists, and support personnel. A Naval Aviator with more than 3,000 hours of flight time in 33 different aircraft his assignments have included operational assignments flying the F/A-18 Hornet, several carrier deployments, the

U.S. Navy Test Pilot School and tours at Naval Strike Aircraft Test Squadron including Command. His degrees include a Masters and Post-Masters (Engineer's Degree) in Aerospace Engineering from the Naval Postgraduate School and a Masters in Business Administration from IMPAC University.

COLONEL DAVID A. SMITH, USMC: The Marine Corps established the Program Manager, Training Systems (PM TRASYS) office in the Central Florida Research Park in 2001. PM TRASYS is the Marine Corps' lead organization for training systems research and development, acquisition and integrated life cycle support. Colonel Smith graduated from Texas A&M University in 1982 with a degree in Business Management. He also holds a Masters degree in Management from Florida Tech University. Designated a Naval Aviator in 1984, he has flown over 4,600 mishap free flight hours as a UH-1N helicopter pilot. His fleet assignments have included numerous squadron Operations and Maintenance tours and he is a qualified Weapons and Tactics Instructor (WTI). Colonel Smith joined the Acquisition Professional Community in 2000 and has completed two separate Deputy Program Manager tours at Naval Air Systems Command. Prior to his assignment as PM TRASYS, Colonel Smith served as the Commanding Officer of Fleet Readiness Center East located at Cherry Point, NC. He is Defense Acquisition Workforce Improvement Act (DAWIA) Level III certified in both Program Management (PM) and Production, Quality and Manufacturing (PQM). He is also a certified LEAN Six Sigma green belt.

COLONEL PETER K. EIDE, USAF: As Chief, Simulators Division, Agile Combat Support Directorate, Aeronautical Systems Center, Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio, Col Pete Eide directs 300 employ-

ees in research, acquisition and sustainment for more than 40 USAF and 10 foreign air force training systems. Colonel Eide entered the Air Force in 1989 as an AFOTC graduate of the University of Wisconsin-Madison School of Engineering. As a career acquisition professional, Col Eide's assignments have included Warner Robins Air Logistics Center, Air Force Research Laboratory, Air Armament Center, Office of the Assistant Secretary of the Air Force for Acquisition, and the Aeronautical Systems Center. Before assuming command of the Simulator Division, he directed the C-130J and the MQ-9 aircraft programs.

Senior Advisor for Readiness and Training

FRANK C. DIGIOVANNI serves as the Director, Training Readiness and Strategy, Office of the Deputy Assistant Secretary of Defense (Readiness). His responsibilities include policy and oversight of military training readiness and capability modernization. He leads the Department's \$4.3B Combatant Commander Exercise and Engagement and Training Transformation, the sustainment of military training ranges, the development of Live, Virtual and Constructive Training Standards and Architectures, the Advanced Distributed Learning Initiative, the creation of a "virtual world" training capability, and ensures training is properly incorporated into major acquisition programs. He also serves as a senior DoD training member on the Modeling and Simulation Steering Committee and collaborates with interagency partners to develop training strategy and policy to ensure Government civilians and Service members are better prepared to conduct reconstruction and stabilization operations. He oversees efforts and policies associated with sustaining access to DoD's land, air and sea training space and for developing policy, strategic communication and the research agenda associated with energy infrastructure and its impact on the ability of the Department to conduct readiness training activities.

PRINCIPALS & ADVISOR

Service Principals



Traci Jones
Army
PEO STRI Assistant
Program Executive Officer
for Project Support



Gary Fraas
Navy
Director, Advanced
Simulation, Visual &
Software Systems Division,
Naval Air Warfare Center
Training Systems Division



Maj Kris Stark, USMC
Marine Corps
Rotary Wing Liaison
Officer, Naval Air Warfare
Training Systems Division/
Marine Corps Systems
Command Program
Manager Training Systems



Mark Adducchio
Air Force
Chief, Engineering Branch,
Simulator Division,
Aeronautical Systems
Center

OSD Principal



J. J. "Skip" Vibert
Associate Director,
Acquisition System Training
Policy, ODASD (Readiness)

Education And Training Advisor



VADM Al Harms, USN (Ret.)
Vice President for
Strategy, Marketing,
Communications and
Admissions, and Special
Assistant to the President,
University of Central
Florida