

# NTSA Newsletter

[About NTSA](#)

## HEADLINES FROM THE MODELING, SIMULATION & TRAINING INDUSTRY

A Message From **NTSA President RADM James Robb, USN (Ret)** [Read More](#)

**MODSIM World 2016** - April 26-28, Virginia Beach, VA  
[Read More](#)

**Healthcare & Human Factors - "Better Living Through Simulation"** (A MODSIM World Theme) [Read More](#)

MODSIM World Chair Michael Spitz Discusses **MODSIM World 2016** [Read More](#)

**2016 Simulation & Training Community Forum**  
– May 10, Dayton, OH [Read More](#)

**TSIS 2016** – June 14-15, Orlando, FL [Read More](#)

**SISO Update** – SIW Abstract Deadline Extended / SISO Seminar at ITEC / SISO Survey [Read More](#)



**I/ITSEC 2016**  
The World's Largest Modeling, Simulation & Training Conference

**I/ITSEC Named as a Top 250 Trade Show** [Read More](#)

## YouTube - Videos from I/ITSEC 2015!



Don't Miss all the Interesting Videos  
(approximately 40) from I/ITSEC 2015

## Upcoming Events

### [MODSIM World 2016](#)

April 26-28, 2016  
Virginia Beach, VA

### [Simulation & Training Community Forum \(STCF\)](#)

May 10, 2016  
Dayton, OH

### [ITEC 2016](#)

May 17-19, 2016  
ExCel  
London, UK

### [TSIS \(Training and Simulation Industry Symposium\) 2016](#)

June 14-15, 2016  
Orlando, FL

### [Capitol Hill Modeling & Simulation Expo Rayburn House Office Building \(Foyer\)](#)

July 7, 2016  
Washington, D.C.

### [2016 Simulation Innovation Workshop \(SIW\)](#)

September 12-16, 2016  
Florida Hotel and Conference Center  
Orlando, FL



Certified Modeling and  
Simulation Professional  
THE DISTINCTION OF A TRUE M&S PROFESSIONAL

**EARNING THE CMSP DESIGNATION WILL:**

- Demonstrate expertise in the field of M&S to your employer and the larger M&S community
- Provide opportunities for professional advancement

Requirements include 3-8 years of work experience (depending on level of highest collegiate degree), 3 professional letters of reference, and successful completion of an online examination.

To learn more about the requirements, the CMSP exam, and the applications process, please visit

[WWW.SIMPROFESSIONAL.ORG](http://WWW.SIMPROFESSIONAL.ORG)

## ITSA News

ITEC 2016 – May 17-19, ExCeL, London, UK [Read More](#)

MIMOS Update [Read More](#)

## NTSA Member News

Cubic to Expand Simulation Training Capabilities for US Army MCoE

[Read More](#)

NATO Restarts Simulation for Training and Operation Group

[Read More](#)

CAE Wins More Than C\$80 million in Defence and Security Contracts

[Read More](#)

Raytheon Team Competing to Deliver Next-Generation USAF Jet

Trainer [Read More](#)

Rockwell Collins Completes Acquisition of Matrix Projector Line from

Christie [Read More](#)

Booz Allen to Provide NCIA Analysis, Training and Program Support

[Read More](#)

USS Carl Vinson Unveils New Carrier Air Traffic Control Simulator

[Read More](#)

Oil & Gas Industry Leader Chooses RGB Spectrum for 24/7 Reliability

[Read More](#)

## STEM News

Tracking Sharks with Chris Fischer at the USA Science & Engineering

Festival [Read More](#)

**STEM is Coming to Baltimore** [Read More](#)

EverFi and Goodyear Collaborate on Career Readiness Initiative

[Read More](#)

## Full Articles

### HEADLINES FROM THE MODELING, SIMULATION & TRAINING INDUSTRY



#### **A Message From NTSA President RADM James Robb, USN (Ret)**

Welcome to a new year of exciting NTSA events! We are off to a great start with an extremely successful Congressional Caucus Leadership Summit in mid-March. Congressmen Randy Forbes and Bobby

Scott gave excellent keynotes highlighting the importance of Modeling and Simulation to the nation. Linda Brent did a fabulous job putting together a set of hard hitting panels discussing Black Swan events associated with Cyber vulnerabilities. We will continue the Black Swan

mega-theme throughout the year that will culminate at I/ITSEC.

The National Modeling and Simulation Coalition (NMSC) had its third Annual Meeting on 10 March in Chesapeake Virginia. The program continued a strong outreach to non-DoD entities and included fantastic presentations from the medical and manufacturing domains. On the medical side, we continue to focus on patient safety as an area needing attention at the national level. Several hundred thousand individuals a year die due to errors in treatment. This is clearly an area in which training programs supported by modeling & simulation can help. We also enjoyed an exciting presentation from Elizabeth Baron of Ford Motor Company that demonstrated how Ford is using Simulation and Virtual Reality in its design and engineering processes. The NMSC continues to seek support from the M&S community to build a network of like minded organizations and associations across all domains and industries. Please consider becoming a corporate or individual member of the NMSC by visiting their website – [www.thenmsc.org](http://www.thenmsc.org).

NTSA's next signature event is MODSIM World, 26-28 April, in the Virginia Beach Convention Center. This year's program will highlight Congressman Randy Forbes as the keynote and build into an extremely strong three days of presentations and discussion. The purpose of MODSIM World is to bring together leaders from government, industry, research and academic institutions to explore the full potential of modeling and simulation in key practice areas. These will include cyber security, transportation and distribution, energy security, learning and training, and defense and national security. Themes for MODSIM World 2016 include Protecting the Nation; Better Living through Simulation; Shipping and Transportation; Keeping the Lights On; and Lifelong Learning. Registration is going well and Mike Spitz of SAIC has done a fantastic job with the program. Register now at [www.trainingsystems.org/events](http://www.trainingsystems.org/events). Make sure you come - and bring a friend!

NTSA's international agenda continues at ITEC which is being held in London 17-19 May. ITEC will host a record number of conference and exhibition attendees so make sure you take advantage of this rich collection of training and simulation leaders from abroad. Hope to see you there and be sure to stop by and visit NTSA in booth A154.

We are very excited about the results of last year's I/ITSEC where we saw dramatically increased presence from government and industry. Planning for I/ITSEC 2016 is well underway, to include the second OPERATION BLENDED WARRIOR, which is in full swing with over 45 government and industry entities participating this year. We will add true live feeds into the convention center and are attacking the challenges of bringing Coalition partners into the event. We will also continue the Black Swan theme in a family of events, to include paper presentations and show floor activities. Government travel restrictions are easing significantly and we expect continued strong growth at I/ITSEC.

[Top](#)

---



## **MODSIM World**

**April 26-28, 2016**

**Virginia Beach Convention Center**

**Virginia Beach, VA**

To see the program/agenda and to register, please visit [www.modsimworld.org](http://www.modsimworld.org) or [www.trainingsystems.org/events](http://www.trainingsystems.org/events).

MODSIM World 2016 is proud to announce exciting Keynote Speakers for 2016!

### **Government Keynote – April 26**

VA Congressman J. Randy Forbes, Senior Member of the House Armed Services Committee, Chairman of the Subcommittee on Seapower and Projection Forces and Chair, Modeling and Simulation Caucus.

### **Industry Keynote – April 27**

Mr. Doug Wagoner, Sector President at Science Applications International Corporation (SAIC)

The purpose of MODSIM World is to bring together leaders from government, industry, research and academic institutions to explore the full potential of modeling and simulation in key practice areas, including cyber, energy, healthcare, entrepreneurship, manufacturing, inter-modal transportation, defense, homeland security, and lifelong learning.

The theme for MODSIM World 2016 is **Empowering User Communities with Modeling and Simulation**, which reflects the importance of users and partners in the business model, and the ability for modeling and simulation (M&S) to shape and influence each community.

### **Tracks:**

- Training and Education
- Data Analytics and Decision Making
- Science and Engineering
- Visualization and Gamification

### **Themes:**

- Healthcare and Human Factors – “Better Living Through Simulation”
- Energy and Cyber – “Got Grid?”
- Adult Learning / Learning Science Corner – “Lifelong Learning”
- Shipping and Transportation – “Special Delivery”
- Defense and Homeland Security – “Protecting the Nation”

**In addition to a robust program of papers, MODSIM World features a variety of special events, workshops and panel sessions, including:**

### **Senior Leader Panel: Emerging Gaps and Innovations**

Senior leaders within both Government and Industry will share the role that M&S has in their organizations, their perspective on the issues and impact of M&S, and discuss gaps that M&S can fill in the future. Following the opportunity to hear their insights, attendees will be able to ask questions and gain a better understanding of the issues facing these leaders; issues that M&S technology transformation can potentially address.

### **The Simulation Century – Force of the Future**

This session addresses the growing issue of managing the human/machine interface as we hurtle towards “Singularity”. The Simulation Century Panel presentations will focus on the growing importance of simulation in a wide variety of fields from healthcare and education to government and military.

### **Unmanned Aircraft Systems in Commercial Airspace--Opening New Chapters in Real & Virtual Environments**

This panel will address aspects of the challenges and opportunities related to the commercialization of UAS.

### **M&S Challenge Competition**

MODSIM World 2016 wants to cultivate an environment where talented individuals can use the power of M&S to solve problems important to their community, government, business or industry sector. Developers, analysts, and subject matter experts will all participate in this unique competition and demonstrate the power of M&S.

For more detailed information on these special events and more, please visit [www.modsimworld.org](http://www.modsimworld.org).

### **Exhibits & Sponsorships**

Please visit [www.trainingsystems.org/events](http://www.trainingsystems.org/events) to review the MODSIM World Exhibitor/Sponsorship Prospectus and the floor plan.

Companies interested in exhibiting and/or sponsoring should contact Debbie Langelier at [dlangelier@ndia.org](mailto:dlangelier@ndia.org) or 703-247-9480 for further information and rates.

2016 Exhibitors:

- Federal Government Distance Learning Association
- GTRI
- MSVE-ODU
- Newport News Shipbuilding
- Pragmatics
- SAIC
- SimIS
- VT MAK
- Virginia Modeling and Simulation Partnership

### **Lodging**

Blocks of rooms have been reserved at two properties for MODSIM World 2016: **the DoubleTree by Hilton** (adjacent to the Virginia Beach Convention Center) and the **Courtyard Marriott South Virginia Beach**.

For complete details on registration and lodging, please visit [www.trainingsystems.org/events](http://www.trainingsystems.org/events).

[Top](#)

---



## **Healthcare and Human Factors – “Better Living Through Simulation”**

### **One of the Themes of MODSIM World 2016**

According to the 1999 report “To Err is Human: Building a Safer Health System,” up to 98,000 people die in hospitals annually as a result of preventable medical errors. Even more are harmed, adding to the negative impact of patient safety errors. Patient safety issues include wrong-site surgery, hospital-acquired infections, falls, hospital readmissions, diagnostic errors, and medication errors. As expected, these errors add significantly to the cost of healthcare in the U.S., estimated between \$17 billion and \$29 billion additionally per year.

Patient safety is paramount in the healthcare delivery setting. Studies have shown that patient safety issues arise due to ineffective communication, poor teamwork, lack of adherence to standards and protocols, lack of attention to critical detail, and fear of speaking out. Modeling and simulation can be effectively leveraged to identify and address these issues without putting people at risk.

The MODSIM World “Better Living Through Simulation” theme reveals the areas where modeling and simulation is being used to uncover performance gaps in the healthcare system and enhance healthcare education and training. Paper presentations and discussions with thought leaders will highlight how modeling and simulation is being utilized in the areas of education and training, data analytics, and delivery of care within the healthcare and human factors sector. Areas for improvement that are currently untapped or underutilized for the use of modeling in simulation will also be revealed with the ultimate goal of improving patient safety.

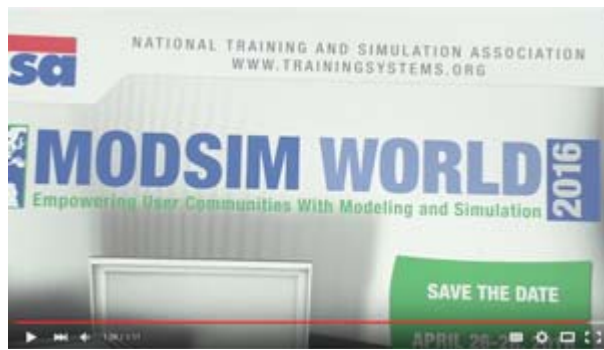
[Top](#)

---



## **MODSIM World Chair Michael Spitz Discusses Upcoming 2016 Event (Video)**





[Top](#)

---

**2016 Simulation & Training Community Forum**  
**May 10, 2016**  
**Holiday Inn Dayton Fairborn**  
**Dayton, OH**

To see the detailed agenda and to register, please visit  
[www.trainingsystems.org/events](http://www.trainingsystems.org/events).

The NTSA Ohio Chapter invites you to attend the 2016 Simulation & Training Community Forum on Tuesday, May 10 at the Holiday Inn Dayton Fairborn. (In years past, this event was known as the USAF APBI.)

The Simulation & Training Community Forum will feature program updates from various branches of the USAF Simulators Division, as well as sessions on specific topics including “Data Access”, “Acquisition Process from RFI to Contract Award”, and “Industry 201: Proposal Prep Process.”

The registration fee will be \$100/\$125 (Early/Late) for NTSA & NDIA members, and \$125/\$150 (Early/Late) for Non-Members. Registration is complimentary for government/military attendees. (Complimentary registrations do not include lunch, which may be purchased separately.)

[Top](#)

---



**TSIS 2016 (Training & Simulation Industry Symposium)**  
June 14-15, 2016 (Tuesday/Wednesday)  
Rosen Centre Hotel  
Orlando, FL

**IMPORTANT TO NOTE:** Dates have shifted from original dates. TSIS 2016 will be held on Tuesday, June 14 and Wednesday, June 15 (instead of on Wednesday-Thursday as in the past.)

TSIS provides an excellent opportunity to network and interact with procurement officials for Training and Simulation products and services from the Army, Marine Corps, Navy, Air Force. For the Army, in particular, you will also hear about future capabilities, requirements, and gaps. Science & Technology representatives will discuss technology initiatives to fill those gaps. Current and near-term opportunities are briefed, followed by question and answer sessions and panel discussions, to ensure clear understanding. Acquisition strategies, timing, and funding levels, if known, are briefed along with the appropriate point of contact information.

The TSIS has plenty of break time built into the agenda to allow for side-bar meetings with key Government attendees as well as Industry Partners to discuss teaming opportunities.

A detailed agenda will be posted shortly at [www.trainingsystems.org/events](http://www.trainingsystems.org/events).

**Registration and Lodging are now open.** The room rate for the conference is \$110 per night, plus tax. The cut-off date for room reservations is **Friday, 13 May 2016**. Please note that the hotel is expected to be **SOLD OUT** during this event...be sure to book your rooms before Friday 13 May.

**Exhibits/Sponsorship** selling quickly, contact Debbie Langelier, [dlangelier@ndia.org](mailto:dlangelier@ndia.org) or 703-247-9480.

Once again the local organizations have worked together to present the TSIS (Tuesday and Wednesday 14-15 June, CFL NDIA), the Scholarship Golf Tournament (Friday 17 June, CFL Quad-A) and the Army Birthday Ball (Saturday 18 June, AUSA Sunshine Chapter) all at the same venue.

[Top](#)



**2016 SIW (Simulation Innovation Workshop) Abstract Submission Extended to Friday 22 April**

The SIW Conference Committee has decided to extend the Abstract Submission date until Friday, 22 April 2016. All abstracts for the 2016 Fall SIW are due electronically by 2359 EDT, Friday, 22 April. To see the Call for Papers and other information on the 2016 Fall SIW, please visit here: [www.sisostds.org/2016SIW](http://www.sisostds.org/2016SIW)

**SISO M&S Seminar at ITEC 2016 – Monday 16 May**

Agenda, abstracts and registration are now available for the 5th SISO M&S Seminar at ITEC.

SISO is organizing its annual “Seminar on M&S standards in Europe” in conjunction with the ITEC conference and exhibit. The SISO event will be held on Monday 16 May 2016, a day before the ITEC official



opening, at the same location (London ExCel, UK).

This full-day seminar will start with an introduction of SISO and its activity, including recently approved standards as well as the emerging ones. It will highlight some SISO standards that are less promoted than well-known SISO standards such as HLA or DIS and will also give typical and recent examples of successful uses of SISO standards. NATO M&S Group (NMSG) standardization activity will also be introduced since NATO is a key stakeholder in the M&S standard world.

The final agenda of this seminar is available on the ITEC web site (see link below).

The seminar is open to SISO members and also to non-members. Nevertheless SISO members attending the event will benefit from reduced fees for the ITEC conference.

Please see the agenda: [www.etsa.eu](http://www.etsa.eu)

To see seminar abstracts: [www.etsa.eu/Abstracts](http://www.etsa.eu/Abstracts)

Direct link to the [registration page](#).

### **SISO Survey**

Please take a few minutes to complete the SISO Survey [here](#).

[Top](#)

## **Headlines from the Interservice/Industry Training, Simulation & Education Conference (I/ITSEC)**



### **I/ITSEC Ranked #116 on TSNN Top 250 U.S. Trade Shows List**

The Florida-based Trade Show News Network has ranked I/ITSEC as the 116th largest trade show in the U.S. on its annual list of the 250 biggest trade shows in the nation.

I/ITSEC is also eligible to be named as one of the 50 fastest-growing trade shows at the 2016 TSNN awards, to be held October 28-30 in Atlantic City. While attendance at I/ITSEC experienced a slight decline in the last several years due to the effects of sequestration and restrictions on official travel, these factors have largely dissipated, and I/ITSEC is likely to grow both in numbers of exhibitors and attendees in the coming years.

See the complete list here: <http://www.tsnn.com/toplists-us>

[Top](#)

***ITSA*NEWS**

**ITEC 2016  
May 17-19, 2016**

ITEC is an annual forum for representatives from the military, industry and academia to connect and share knowledge with the international training, education and simulation sectors. Presenting a unique overview of the industry's latest innovations, the event provides visitors with a platform to discuss developments in this evolving market and exchange ideas about future requirements for military training and simulation.

Established for over 26 years, ITEC offers a world-class exhibition (free to attend) and conference showcasing the very latest products and services from leading organisations, thought provoking papers as well as unique networking opportunities.

ITEC 2016 is set to welcome over 2,300 visitors from the international military training, education and simulation community to London for the first time since 2012.

This year's overarching theme is "**An Enterprise Approach; Beyond Training.**" The conference will examine four key themes covering all major areas of the military training and simulation field.

For complete details on the conference program, exhibits and registration, please visit: [www.itec.co.uk/Content/Welcome](http://www.itec.co.uk/Content/Welcome)

[Top](#)

---



## MIMOS Update

Modeling and Simulation for Autonomous Systems workshop in Rome  
15-16 June 2016.

Dear Robotics, Autonomous Systems, Modeling and Simulation and NATO M&S COE experts and supporters, Let me inform you that the registration for this year Modeling and Simulation for Autonomous System (MESAS) workshop has been opened.

This year's edition is technically co-sponsored by IEEE Robotics and Automation Society and post-conference proceedings will be published under the Springer to be indexed in ISI Conference Proceedings Citation Index and EI Engineering Index. MESAS 2014 and 2015 papers are already in the SCOPUS.

The workshop will take place in Rome from the 15th till the 16th June 2016. The main theme is **M&S for Human and Autonomous System Integration and Cooperation** with the following streams:

- Cooperative systems
- Interfaces for command and control system, human, knowledge management system and AS integration
- Human and AS teaming application

- M&S Experimental environments & frameworks for AS development, verification, validation and accreditation
- Cooperative and reliability algorithms for AS
- Ethical, legal, security and safety aspects of Human and AS cooperation
- Training for AS deployment
- Concept of AS operation & countermeasures

You are welcomed to send an abstract to be evaluated by MESAS Technical Program Committee, no later than 15th April 2016.

For complete details please visit: [www.mesas.mscoe.org](http://www.mesas.mscoe.org)

[Top](#)

## NTSA Member News

### **Cubic to Expand Simulation Training Capabilities for US Army MCoE**

(Reprinted with permission of MS&T magazine)

Cubic Global Defense (CGD) has been awarded a three-year, \$2.3 million contract from the US Army's Maneuver Center of Excellence (MCoE) Clarke Simulation Center at Fort Benning, Georgia, to support Live, Virtual, Constructive and Game-based (LVCG) training for mission command systems.

The Clarke Simulations Center provides courses to a diverse set of customers, including Infantry and Armor Programs of Instruction (POI) for Officers and Enlisted cohorts. Under the contract, Cubic will provide the Center's classrooms with mission command system training, technical support as well as virtual and gaming operations to better prepare US military forces for future operations. The simulation training will also assist the Active and Reserve Component in addition to tenant units at Fort Benning.

[Top](#)

---

### **NATO Restarts Simulation for Training and Operation Group**

(Reprinted with permission of MS&T magazine)

The NATO Modelling & Simulation Coordination Office (MSCO) has announced the restart of the Simulation for Training and Operation Group (STOG).

STOG first started activities in 2012, focusing on the use of simulation in support of education and training, and for preparation of operations. The group mainly tackled the everyday needs of war fighters; always following the motto "Train as you fight". One challenge in the part was to impart best simulation practices to those users that were less familiar with simulation or its jargon.

The initial group has just finished its activities. The new one will focus more on Land (STOG-Land). Participants will come from NATO nations, but there are also delegates from Sweden, Finland, Austria, and Switzerland. A kick-off meeting is planned in April. All interested parties from military, industry and academia - also from Sea, Air, Space and

Cyber domains - are invited to contact: Federico Perez-Duenas, Head MSCO at [federico.perez-duenas@cs0.nato.int](mailto:federico.perez-duenas@cs0.nato.int)

[Top](#)

---

## **CAE Wins More Than C\$80 million in Defence and Security Contracts**

(Reprinted with permission of MS&T magazine)

CAE has won defence contracts in its fourth quarter of fiscal year 2016 valued at more than C\$80 million to provide simulation products and training services for global military customers.

The NATO Support and Procurement Agency (NSPA) awarded CAE a contract to perform a major upgrade on the German Navy's Sea King MK41 helicopter simulator located at Nordholz Naval Airbase. Under terms of the contract, the current Sea King instrument flight rules (IFR) training device originally built by CAE in the mid-1970s will be upgraded to a full mission simulator. CAE will perform a range of updates, including the addition of the latest generation CAE Medallion-6000 image generator with Common Database (CDB) architecture, enhanced synthetic and tactical environment simulation software, new vibration system, an improved instructor operator station, and a new brief/debrief station. The upgraded Sea King MK 41 full mission simulator will be ready for training in 2017.

CAE has been awarded a contract from Public Works and Government Services Canada (PWGSC) to provide the Canadian Coast Guard with a CAE 3000 Series helicopter simulator that will feature cockpits for both the Bell 412EPI and Bell 429 helicopters. The simulator will feature CAE's roll-on/roll-off cockpit design, which enables cockpits representing various helicopter types to be used in the full flight simulator. The helicopter simulator will be delivered in 2018 to Transport Canada's training centre in Ottawa.

As announced in February, the US Air Force awarded CAE USA contracts under the KC-135 Aircrew Training System (ATS) program to upgrade a range of KC-135 aircrew training devices so that they can be used on the US Air Force's Distributed Training Center Network (DTCN). In addition, CAE will be responsible for ensuring the training center facilities housing KC-135 aircrew training devices meet the required physical security and cybersecurity requirements established by the US Department of Defense to network the training devices to the classified DTCN.

[Top](#)

---

## **Raytheon Team Competing to Deliver Next-Generation USAF Jet Trainer**

(Reprinted with permission of MS&T magazine)

Raytheon Company is offering an integrated, next-generation training solution for the US Air Force's Advanced Pilot Training competition. Raytheon is the prime contractor, with principal partners Finmeccanica,

CAE USA and Honeywell Aerospace.

"The success of our nation's future pilots depends on a comprehensive trainer to prepare them to take full advantage of the capabilities unique to advanced 4th and 5th generation fighters," said Rick Yuse, president of Raytheon's Space and Airborne Systems. "Our affordable, low risk, open systems solution combines a proven aircraft with a suite of fully integrated training technologies."

Nearly 45,000 pilots and crew have earned their wings on the training systems designed, developed and fielded by this Raytheon led-team. This solution combines the T-100, an advanced variant of the Aermacchi M-346, with a Ground Based Training System.

Honeywell Aerospace would provide twin, F124 turbofan engines to power the T-100 via the International Turbine Engine Company (ITEC) joint venture and CAE USA would provide simulation-based training for the aircraft.

[Top](#)

---

## **Rockwell Collins Completes Acquisition of Matrix Projector Line from Christie**

(Reprinted with permission of MS&T magazine)

Rockwell Collins has completed the acquisition of the Matrix series projector product line from Christie Digital Systems. The transaction will give military and aviation customers a more comprehensive partner for all their current and future simulation and training projector needs.

"The acquisition of the Matrix series product line significantly enhances our industry leading offerings for military and aviation simulation and training while giving customers one place to go for a broad range of projector solutions," said LeAnn Ridgeway, vice president and general manager, Simulation and Training Solutions for Rockwell Collins.

The Matrix series of projectors complements other offerings from Rockwell Collins, including the Rockwell Collins ProSim™ ultra contrast projector, the EP®-8100 image generator, as well as other third-party projector solutions.

The agreement also gives Rockwell Collins exclusive rights to sell other projection products and associated software tools from Christie in the worldwide simulation and training market segments for military or aviation applications.

The Rockwell Collins Matrix SIM™ and Matrix StIM™ projectors will continue to be manufactured by Christie with system engineering, integration and service and support provided by Rockwell Collins for all current and future Matrix offerings.

[Top](#)

---

## **Booz Allen to Provide NCIA Analysis, Training and Program Support**

The NATO Communications and Information Agency (NCIA) has selected Booz Allen Hamilton as prime contractor for the NCIA Support Services Contract (SSC) Area 2 Indefinite Delivery Indefinite Quantity (IDIQ) contract. The award is for a base year and two option years.

The NCIA's mission is to:

- Deliver command, control and communications (C3) capabilities while ensuring coherence and interoperability in compliance with agreed NATO architectures;
- Ensure the delivery of secure communication and information systems (CIS) services to its customers;
- Provide capabilities and services "other than C3/CIS" to NATO and nations, as approved by the Agency Supervisory Board (ASB); and
- Enable Consultation, Command and Control and to facilitate the seamless integration of Intelligence, Surveillance, Reconnaissance, Target Acquisition functions and their associated information exchange.

Booz Allen will support the NCIA's mission by providing strategy and implementation, operations support and continuous improvement support to a variety of clients. Booz Allen helps clients reduce redundancies and achieve efficiencies -- and in the process, helps clients mitigate risk and focus on their core missions.

Under the Support Services Contract, Booz Allen will provide services for NCIA's Service Line Managers and customers in such areas as: Military Functional Expertise; Military Exercise Support Analysis; Operations Research Analysis; Individual Education and Collective Training; and Military Program Management.

[Top](#)

---

## **USS Carl Vinson Unveils New Carrier Air Traffic Control Simulator**

(Reprinted with permission of MS&T magazine)

USS Carl Vinson (CVN 70) has unveiled a new air traffic control simulator, the first of its kind installed in a Navy aircraft carrier, in the ship's carrier air traffic control center.

The new simulator program affords Carl Vinson air traffic controllers the capability to immerse themselves in real CATCC flight operations scenarios without the necessity of actual flight operations.

The new software was installed recently during Carl Vinson's chief of naval operations planned incremental availability (PIA) period and provides the embarked air traffic controllers a mission-ready edge over others in the fleet.

"This is one of the most impactful improvements in carrier air traffic control in a long time," said Carl Vinson Commanding Officer Capt. Karl Thomas. "Once this rolls out to the rest of the fleet, it will increase the amount of training, experience, and flexibility available to each of the Navy's carrier air traffic control teams."



## Oil & Gas Industry Leader Chooses RGB Spectrum for 24/7 Reliability

Statoil is the largest operator of oil and gas fields on the Norwegian continental shelf. Operating more than 50 fields on the shelf is no small feat; 24/7 reliability, safety, and stability are of critical concern. In the control rooms, prompt action in the first minutes of an emergency can save lives and protect the environment. Response time is critical.

Each platform maintains a control room. But with so many, the rooms vary greatly and much of the equipment is vintage. Operators must be trained on different user interfaces and control methods. This has an impact on performance, training time, skill level, and most importantly, the ability to respond quickly to an emergency.

For nearly a decade, Statoil has been working with Global Control Center Design (GCCD), a Norwegian control room specialist in Drammen, to upgrade these control rooms. Due to the inaccessibility of offshore platforms, Statoil's most important criterion is 24/7 reliability with minimal need for service and support. GCCD relies on RGB Spectrum's video processing to satisfy their client's stringent requirements. "I am very happy with RGB Spectrum's *MediaWall® Display Processors*," said Børre Mortensen, Managing Director of GCCD. "The first rooms were installed more than eight years ago, and have been running faultlessly since installation. We find that RGB products consistently meet our high performance expectations."

RGB Spectrum's *MediaWall® 4200* and *4500* display processors are featured in the control rooms at Statoil's Aasta Hansteen, Mariner, Åsgard B, Gudrun, and Valemon facilities. GCCD is currently upgrading older installations with RGB Spectrum's newest processor, the *MediaWall V*, with 4K input and display capabilities. The rooms have varying configurations of four to eight projectors controlled by a Crestron panel managing a variety of inputs including PCs and videoconferencing systems. Consistent user interfaces and system reliability produce faster operator response times without interruptions caused by maintenance issues.

## STEM News

### Tracking Sharks with Chris Fischer at the USA Science & Engineering Festival

USA Science & Engineering Festival

April 16-17, 2016

Walter E. Washington Convention Center

Washington, D.C.

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

FREE and Open to the Public!

[OCEARCH](#) is a recognized world leader in generating critical scientific data related to tracking (telemetry) and biological studies of keystone marine species such as great white sharks, in conjunction with

conservation outreach and education at a measurable global scale. In a collaborative environment established by Founding Chairman and Expedition Leader [Chris Fischer](#), OCEARCH shares real-time data through OCEARCH's Global Shark Tracker, inspires current and future generations of explorers, scientists, and stewards of the ocean, and enables leading researchers and institutions to generate previously unattainable data. OCEARCH has completed 22 expeditions as of September 2015; by 2016, a total of 26 will be completed.

Meet Chris Fischer as he speaks about his expeditions and efforts to track white sharks and other ocean giants at the [USA Science & Engineering Festival](#). Don't miss this FREE and open to the public event April 16-17, 2016 at the Walter E. Washington Convention Center in Washington, DC. Pre-register here: [www.usasciencefestival.org](http://www.usasciencefestival.org).

[Top](#)

---

### **STEM is Coming to Baltimore**

U.S. News STEM Solutions National Leadership Conference  
May 18 – 20, 2016  
Hilton Baltimore  
Baltimore, MD  
[usnewsstemsolutions.com](http://usnewsstemsolutions.com)

As students, teachers, job seekers and employers alike can attest, growing interest in STEM is providing renewed energy to communities across the nation. At the very heart of this critical movement is U.S. News STEM Solutions. Now in its fifth year, the National Leadership Conference brings together the brightest minds in business, academia and government not only to contribute key insights to the nationwide STEM debate; but also to ensure that STEM's hard-won momentum is channeled into practical, self-sustaining strategies for **inspiring**, **educating** and **hiring** the diverse STEM workforce of tomorrow.

\*\*\*\*\*

With a concentration of health care systems, high-tech companies, research universities, government agencies and defense contractors in its backyard, the Baltimore area has a great need for a STEM-proficient workforce. The region illustrates the broader STEM challenge we face as a country, and we're looking forward to bringing national and local leaders together at this year's STEM Solutions conference to shed light on this important issue.

I look forward to welcoming you in Baltimore, May 18-20.

Brian Kelly  
Editor and Chief Content Officer  
U.S. News & World Report

[Top](#)

---

## EverFi and Goodyear Collaborate on Career Readiness Initiative

### Program focuses on STEM, Entrepreneurship and Digital Citizenship

[EverFi](#), the leading critical skills education company, and [The Goodyear Tire & Rubber Company](#) today announced the **Goodyear Future STEM Leaders Program** that will extend digital learning opportunities to students at the [National Inventors Hall of Fame® \(NIHF\) STEM High School](#) and the associated NIHF Center for STEM Learning in Akron, Ohio.

Today, only 6 percent of the 3.8 million ninth graders in the United States are expected to choose a STEM-focused degree in college. Meanwhile, STEM industries continue to be one of the fastest growing sectors of the economy with projections forecasting more than nine million STEM-related jobs available in America by 2018.

The Goodyear Future STEM Leaders Program will provide students with interactive programs that help them build entrepreneurship and STEM (science, technology, engineering and math) skills. Using the power of cutting-edge instructional design, gamification, and real world simulations, students are also introduced to the technical careers of the future and the skillsets needed to succeed in these fields.

The program is aligned with Ohio Treasurer Josh Mandel's [Ohio Strong Initiative](#), which recognizes Ohio workers in manufacturing and the skilled trades, and raises public awareness to encourage more people to pursue careers in these fields.

"As the baby boomers retire, I frequently hear about the shortage of welders, pipe-fitters, electricians, carpenters, machinists and other skilled trades across Ohio. There are high-paying jobs going unfilled because employers can't find a modern workforce to hire with the skill sets they need," said Mandel. "I believe that there is a quiet crisis upon us, and in order to prosper as a country, we need to encourage young Americans to pursue careers in the skilled trades. I launched the Ohio Strong Initiative to help bring pride and profile to dedicated men and women across our state who work in these fields that are so vital to our economy."

The Goodyear Future STEM Leaders Program is part of the organization's broader community engagement efforts focused on STEM career preparedness, road safety, and established volunteer programs near its Akron headquarters.

#### About EverFi, Inc.

EverFi, Inc. is the education technology innovator that empowers learners with the skills that prepare them to be successful in life. With backing from some of technology's most innovative leaders including Amazon founder and CEO Jeff Bezos, Google Chairman Eric Schmidt, and Twitter founder Evan Williams, EverFi has built the most comprehensive critical skills platform focused on Financial Education, Digital Citizenship, STEM Career Readiness, Entrepreneurship, and Health and Wellness. The EverFi Education Network is powered by over 1,200 partner organizations across all 50 states and Canada and has certified over 12 million students. Learn more at [www.everfi.com](http://www.everfi.com).

## About Goodyear

Goodyear is one of the world's largest tire companies. Headquartered in Akron, Ohio, it employs approximately 66,000 people and manufactures its products in 49 facilities in 22 countries around the world. Its two Innovation Centers in Akron, Ohio and Colmar-Berg, Luxembourg strive to develop state-of-the-art products and services that set the technology and performance standard for the industry. For more information about Goodyear or its products, go to [www.goodyear.com/corporate](http://www.goodyear.com/corporate).

[Top](#)



[About](#) | [Events](#) | [Membership](#) | [CMSP Certification](#) | [I/ITSEC](#) | [To Advertise](#)

This communication has been sent to you as a member or customer of NDIA and its affiliates AFEI, NTSA, PSA, and WID. Your e-mail address is used to maintain member and customer contact and provide notification of new activities. If you do not wish to receive future messages from NDIA or its affiliates, please send a message to [bmcDaniel@ndia.org](mailto:bmcDaniel@ndia.org).

National Defense Industrial Association, 2111 Wilson Boulevard, Suite 400, Arlington, VA 22201

To ensure that you receive all valuable and informative email communications from NDIA, please add [NTSAnewsletter@NDIA.ORG](mailto:NTSAnewsletter@NDIA.ORG) to your list of trusted senders (called the White-List).