



THE

# CHRONICLE

FALL 2015

Published for the employees of SPAWAR Systems Center Atlantic

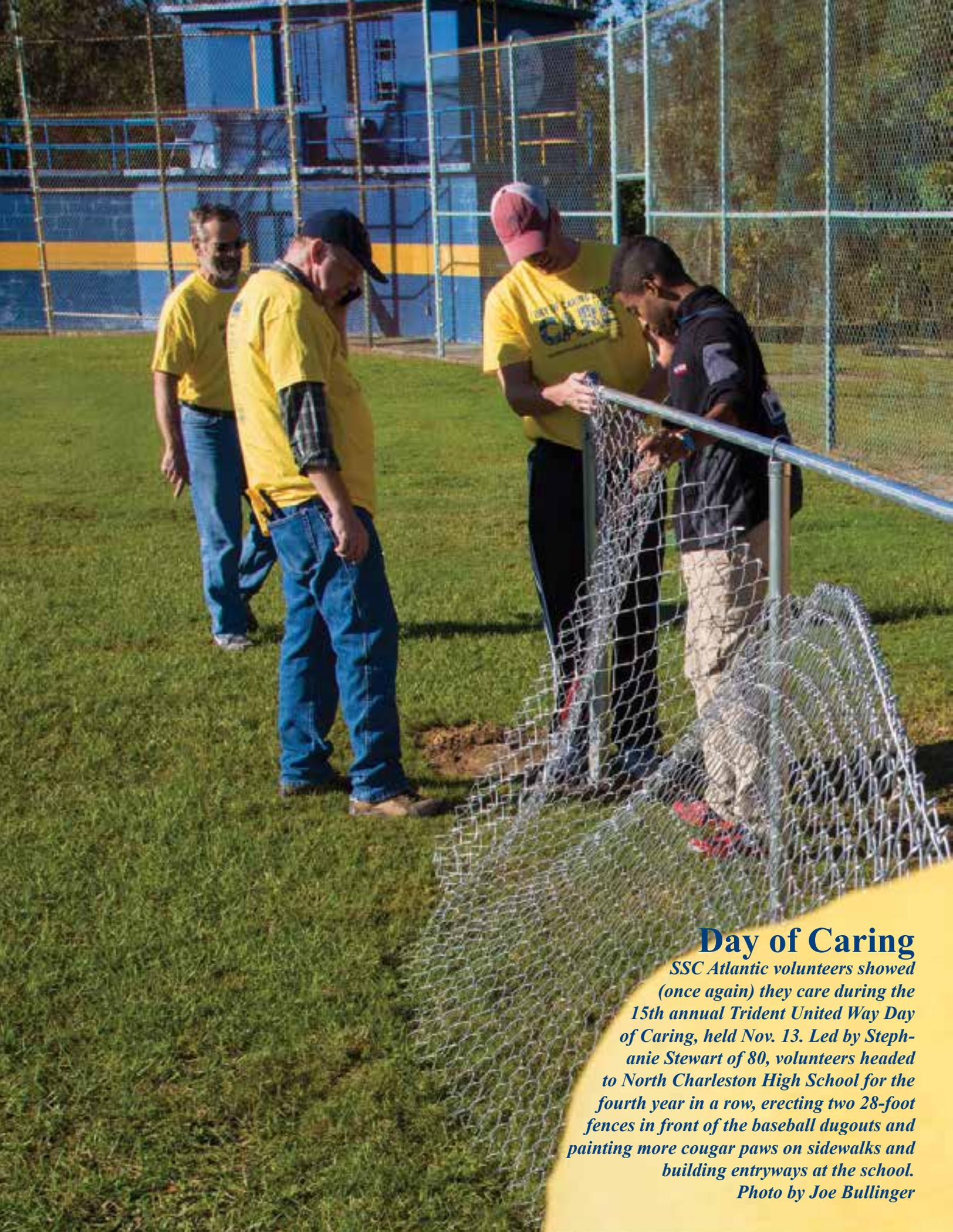
Heller takes  
helm of  
SSC Atlantic



**SPAWAR**



*Systems Center  
Atlantic*



## **Day of Caring**

*SSC Atlantic volunteers showed (once again) they care during the 15th annual Trident United Way Day of Caring, held Nov. 13. Led by Stephanie Stewart of 80, volunteers headed to North Charleston High School for the fourth year in a row, erecting two 28-foot fences in front of the baseball dugouts and painting more cougar paws on sidewalks and building entryways at the school.*

*Photo by Joe Bullinger*

# Inside

Fall 2015

Vol. 21 No. 3

**7** *Cyber Forensics Lab's first*  
 SSC Atlantic's CFIX Lab is the first in the Navy to earn ASCLD/LAB-International accreditation from the American Society of Crime Laboratory Directors/Laboratory Accreditation Board.

**10** *CANES kudos*  
 SSC Atlantic employees are praised for CANES contributions.

**20** *2 projects receive ATA funding*  
 DBES, GCSS-MC funded by ASN RDT&E's Automatic Test and Analysis program.



*Members of SSC Atlantic's Cyber Forensics Criminal Investigations (CFIX) Laboratory proudly display their Certificate of Accreditation from ASCLD/LAB International. See story on page 7.*

Hampton Roads OIC ..... 6

Portfolio realignment ..... 9

NSA trusted integrator status ..... 14

Leadership workshop ..... 17

NOLA NPs reach out ..... 18

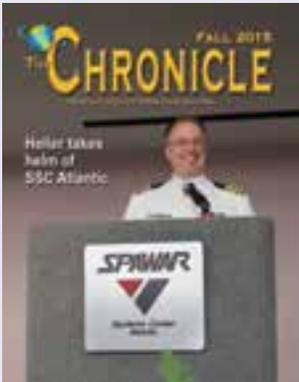
Defend Your Domain! ..... 20

MAPP matches employees to work ..... 23

Embracing differences ..... 27

Visitors ..... 31

The final word ..... 32



**On the cover**  
*Capt. Scott Heller enjoys a light moment during the July 30 ceremony in which he relieved Capt. Amy Burin and became SSC Atlantic's fourth commanding officer. See story on page 2. Photo by Joe Bullinger.*




**Systems Center  
ATLANTIC**

P.O. Box 190022  
 North Charleston, SC 29419-9022

Commanding Officer.....Capt. Scott Heller  
 Acting Executive Director .....David Monahan

**SSC Atlantic  
Mission, Vision and Values**

**Mission:** To rapidly deliver and support solutions that enable information dominance for our Naval, Joint, National and Coalition Warfighters.

**Vision:** Make IT Count for the Warfighter and the Nation.

**Values:** Service to our country, Excellence and Credibility, Transparency in the way we conduct our business, Responsiveness and Accountability, Diversity and Teaming.

**THE CHRONICLE**

Editor .....Susan Piedfort  
 Command Photographer .....Joe Bullinger

**Goals**

Strategic effects that provide innovative solutions for today, tomorrow and beyond. Operations management that delivers solutions with quality, speed, agility and value. Organizational development that empowers each individual to make a difference.

*The Chronicle* is a quarterly publication designed for SSC Atlantic employees. Its purpose is to inform, educate, entertain and generate new ideas.

Contents of *The Chronicle* are not necessarily the official views of, or endorsed by, the U.S. Government, the Department of Defense, the U.S. Navy or SSC Atlantic.



*Above, sideboys render honors as Capt. Scott Heller enters for the change of command ceremony. Below left, the color guard from the Naval Consolidated Brig renders honors during the National Anthem.*

## *Heller takes helm of SSC Atlantic*



### Burin retires after 34 years of naval service

Capt. Scott Heller became the fourth commanding officer of SSC Atlantic during a change of command ceremony held July 30 at the SSC Atlantic conference center. During the ceremony Capt. Amy Burin, who had served as SSC Atlantic commanding officer since August 2013, retired with more than 34 years of naval service.

Heller comes to SSC Atlantic after serving at PEO C4I in San Diego, California, as program manager for the Battlespace Awareness and Information Operations Program Office (PMW 120).

The SSC Atlantic assignment is a homecoming of sorts for Heller, who has been assigned to the center twice before in his naval career. He served a tour as Executive Officer and Chief Engineer from 2007 to 2009, and a tour from 1999 to 2001 during which he



conducted Computer Network Vulnerability Assessments of all ships prior to deployment.

Rear Adm. David Lewis, commander of Space and Naval Warfare Systems Command, praised the SSC Atlantic team during his remarks. “The information systems that you deliver and sustain have tremendous impact across the Navy and across DoD. We train, plan, fight and take care of our people based on quality information and SSC Atlantic provides that and much more,” he said.

“From operations and sustainment support for the Navy Enterprise Resource Planning system to improving logistics for the Marines with Expeditionary Pack-up Kit systems to providing advanced access control systems, your work grows more important every day,” Lewis continued. “These efforts are complex and require extensive expertise and experience to manage and deploy effectively.”

Outgoing Commanding Officer Burin was lauded for bringing “her immense experience and dedication to SSC Atlantic and helping this team accomplish so much over the last two years,” as Lewis noted.

“Under Burin’s leadership, SSC Atlantic delivered engineering, ongoing capability enhancements, and life cycle sustainment for approximately 50 career and manpower management and personnel and pay systems. Pretty important stuff that impacts more than 400,000 active duty and reserve personnel every day,” he added.

“Another example is the installation of state-of-the-art Electronic Security Systems that protect military and government critical infrastructure, assets and personnel worldwide; with the completion of 132 Electronic Security Systems installations at more than 120 military bases and facilities worldwide. SSC Atlantic remains the Electronic Security

*Above, Rear Adm. David Lewis, commander of Space and Naval Warfare Systems Command, speaks to more than 300 change of command ceremony attendees in Bldg. 3112. Below, The Honorable Dr. Minnie Newman, mayor of Hanahan, talks about the city’s partnerships with SSC Atlantic.*



Photos by Joe Bullinger

*Continued next page*

*Outgoing SSC Atlantic Commanding Officer Capt. Amy Burin speaks during the ceremony, which marked the end of her 34-year naval career.*



Systems provider of choice for 23 naval bases worldwide, including U.S. Marine Corps and Air Force sites, U.S. Africa Command, U.S. European Command, and U.S. Army Garrison Stuttgart,” he continued.

Hanahan Mayor Dr. Minnie Newman was guest speaker for the ceremony. She noted that while the area has seen momentous economic developments in the last few years from Google, Boeing and Volvo, for more than 20 years SSC Atlantic has been quietly and steadily creating a growth economy for high tech jobs in the community, in the region and in the state.

“The impact of SSC Atlantic’s 2,600 employees and thousands of defense contractors is evident not just in dollars -- it is also evident through the partnerships and community involvement of SSC Atlantic employees,” the mayor said, lauding SSC Atlantic’s cybersecurity competitions, STEM and small business outreach events.

“The SSC Atlantic team balances good citizenship and volunteerism with their vital mission of supporting our nation’s warfighters,” she said.

Upon the official reading of his new orders, Heller said, “I am thankful to many for this incredible opportunity to serve in one more amazing role within the SPAWAR family.

“I’m excited to be back at this incredible organization... more like a kid in a candy store! The work we do daily preserves the peace and ensures we are ready when war arrives. We design, field and sustain naval capabilities from the ocean floor, across all continents, to space and everywhere in between,” the captain said. “To be back here among the talented professionals of SSC Atlantic, on what is now my third assignment here ... It is an incredibly humbling experience.”

The captain then briefly touched on his priorities as com-

manding officer of SSC Atlantic. “1. If you field or sustain a capability, ensure it is provably working, provably secure, and that the Sailors or Marines have every opportunity to master it. 2. If you provide a service, understand the requirements, have a cost and schedule model built on sound engineering, and then set expectations based on this process. 3. Every day, strive to ensure our naval forces are ready for war tomorrow. This is the surest path to avoiding war,” he said.

He closed by praising the people of SSC Atlantic. “Military, civilian and our industry partners – you have never wavered and continue to surf the ever-changing waves, making sure we are answering the needs of our warfighters and our nation. We have a critical mission in this information age, and we have the talent to get it done,” Heller said. “I pledge to you that I will do my very best to serve you and our common goal of delivering information dominance.”

A New Jersey native, Heller received a Bachelor of Arts degree in statistics from the University of Rochester in 1988, earning his commission through the Naval Reserve Officer Training Corps.

Following Surface Warfare Officer School and Engineering Officer of the Watch training in Newport, Rhode Island, Heller reported to **USS Pharris** (FF-1094) where he served as Assistant Navigator, Boilers Officer and Main Propulsion Assistant during exercises in the Baltic for six months as part of the Standing NATO Force Atlantic and during numerous counter drug operations.

Heller then reported to **USS Normandy** (CG-60), homeported in Staten Island, New York, as Anti-Submarine Warfare Officer. During this time **USS Normandy** participated in operations Deny Flight and Sharp Guard off the coast of Bosnia and earned the “Hook’em Award” for the best Anti-Submarine platform in the Mediterranean for 1993.



*Above, Rear Adm. David Lewis, Capt. Amy Burin and Capt. Scott Heller cut the ceremonial cake during a reception following the ceremony. At right, Heller gives remarks after assuming command of SSC Atlantic.*

In 1994 Heller reported to the AEGIS Combat System Engineering Development Site (CSEDS) in Moorestown, New Jersey, as Assistant Officer-in-Charge. While there he was selected for the Engineering Duty Officer community and the Naval Postgraduate School (NPS). At NPS he earned a Master of Science in computer science with a subspecialty in Information Assurance, graduating with the Navy League Award for highest academic achievement.

Heller's next assignment was at then-SSC Charleston, where he assisted in the fielding and testing of multilevel secure systems and led a team of engineers in conducting Computer Network Vulnerability Assessments of all ships prior to deployment, greatly improving the information assurance posture of the fleet.

In December 2001 Heller reported to the Engineering Duty Officer School for instructor duty, and then in January 2004 he reported to PEO C4I and Space in San Diego. Heller served as the Navy's lead for Cross Domain Solutions; as

*Continued on page 8*





Photo by Jerry Sekerak

*Military and civilian personnel from SSC Atlantic's Hampton Roads Detachment gather to witness the change of charge ceremony in which Cmdr. Scott Thompson relieved Cmdr. Chris Tallon.*

## Thompson takes charge in Hampton Roads

Cmdr. Scott Thompson took the reins as SSC Atlantic Hampton Roads Detachment Officer in Charge (OiC) during a change of charge ceremony in June.

Cmdr. Chris Tallon, who had served as OiC since February 2014, retired with 30 years of naval service.

Thompson enlisted in the Navy from his hometown of Encinitas, California in 1994. Upon completion of Naval Nuclear power training, he was selected for the BOOST program. He was later appointed to the U.S. Naval Academy and graduated in 2000 with a Bachelor of Science in Mechanical Engineering and a minor in German.

After officer Naval Nuclear power training, he was assigned to **USS Ohio** (SSBN 726) and qualified in submarines. This tour consisted of three strategic deterrent patrols and an extensive shipyard period during the first Ohio-class submarine refueling and transformation from SSBN to SSGN.

His next assignment was COMDESRON 15 Staff Submarine Operations Officer in Yokosuka, Japan. He coordinated submarine operations for U.S. and allied navies as the liaison between the Sea Combat Commander of the **USS Kitty Hawk** Carrier Strike Group in the Seventh Fleet Area of Operations.

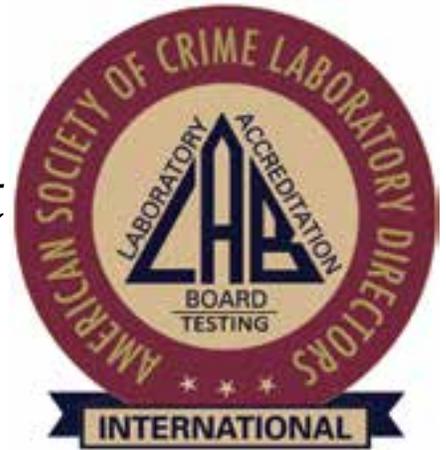
Thompson's next tour was at Naval Undersea Warfare Center in Newport, Rhode Island, where he assisted with Testing & Evaluation for SSGN and Virginia platforms. During this tour, he was selected to become an Engineering Duty Officer.

Thompson then attended the Naval Postgraduate School in Monterey, California and in 2009 earned a Master of Science degrees in applied physics and mechanical engineering in the field of acoustic undersea networks. He is a recipient of an SSC Pacific Fellowship and received the American Society of Naval Engineers' Excellence in Naval Engineering award.

He then joined SSC Pacific as the Deputy Project Manager for a joint acquisition program between the Navy and Air Force. He was subsequently embedded in the PMW 160 Tactical Networks program office as the Fleet Liaison Officer and coordinated CASREP responses through the SPAWAR Fleet Readiness Directorate for shipboard Navy networks.

Thompson then served as a C5I inspector at the Board of Inspection and Survey in Virginia Beach, Virginia, where he inspected the material conditions of afloat combat, navigation, and information systems.

# SSC Atlantic's Cyber Forensics Lab is Navy's first to receive ASCLD/LAB -International Accreditation



SSC Atlantic's Cyber Forensics Criminal Investigations (CFIX) Laboratory has become the first in the Navy to earn the prestigious ASCLD/LAB-International accreditation from the American Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD/LAB).

A federal laboratory that provides services and assistance to the Navy and other U.S. federal government agencies worldwide, SSC Atlantic's CFIX Laboratory is accredited for forensic science testing in the discipline of digital and multimedia evidence.

"ASCLD/LAB is the most recognized accrediting body for forensics crime laboratories in the world," said Robin Corkill, supervisory IT specialist in Cyber Forensics, Code 58520, and director of SSC Atlantic's CFIX Laboratory.

"As the only Navy testing laboratory accredited in the

area of digital forensics, we are positioned to benefit SSC Atlantic and the Navy in a number of ways," he added. According to ASCLD/LAB's assessment, the lab's processes and procedures, as well as resources, have been set apart as being forensically sound and are in accordance with the ISO 17025:2005 standards and ASCLD/LAB guiding principles.

"This is an achievement that requires the establishment and sustainment of very high standards," Corkill said.

"Navy (NCIS) and other federal law enforcement agencies rely on the ASCLD/LAB backing of a laboratory because it assures them that the lab's processes, procedures and strict requirements to preserve the integrity of evidence will stand up in a court of law," Corkill said.

"Having this backing from ASCLD/LAB, along with

*Continued on next page*



Photo by Joe Bullinger

***From left, Gordon Martin, Nicholas Butner, Mark Gramajo, Michael Maurer, Warren Crusenberry, Ronald Graham and Robin Corkill proudly display their Certificate of Accreditation from ASCLD/LAB International.***

*Gordon Martin works on a component in SSC Atlantic's Cyber Forensics Lab.*

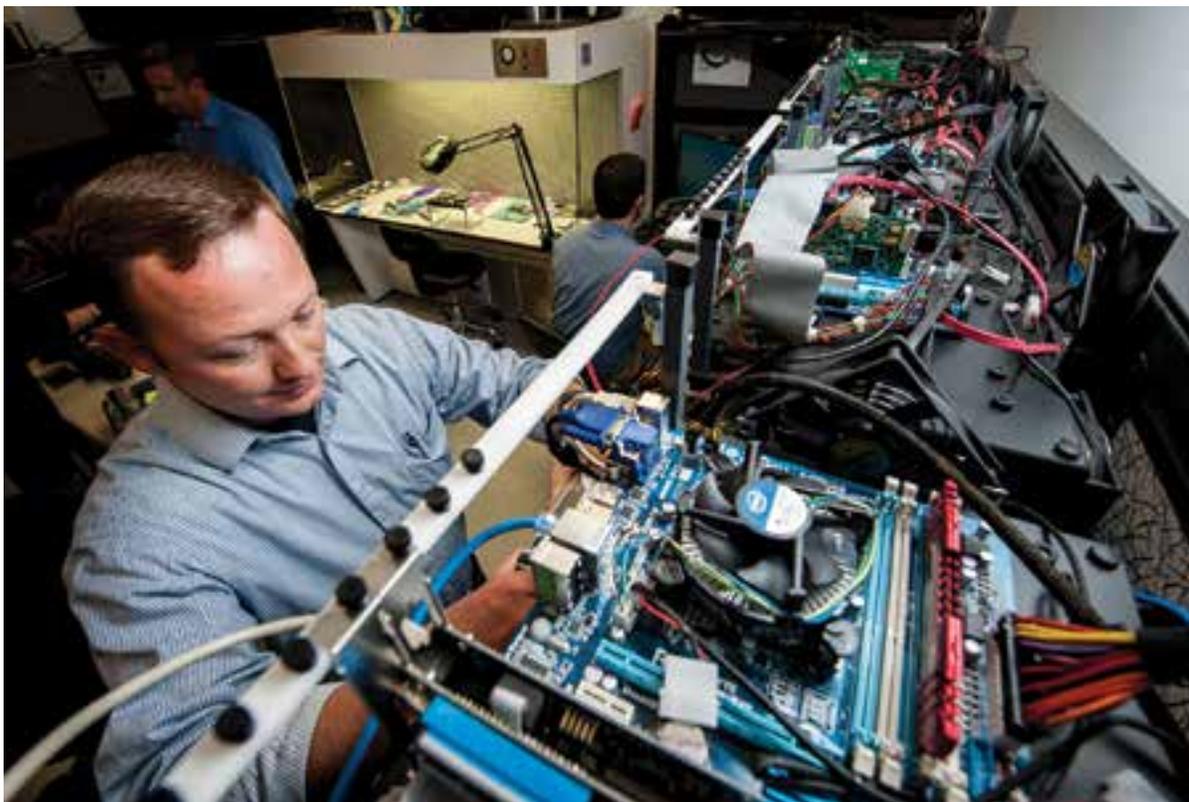


Photo by Joe Bullinger

## *CFIX lab accreditation*

*Continued previous page*

the laboratory's reputation for excellence, positions SSC Atlantic's CFIX lab to perform investigations in support of the Navy and other federal law enforcement organizations," he added.

Led by Corkill, a team consisting of Quality Assurance Manager Mark Gramajo, Lab Manager and Senior Investigator Gordon Martin, Investigator Michael Maurer, Training Coordinator Warren Crusenberry, Safety Officer Ronald Graham and Investigator Trainee Nicholas Butner took on the task of earning ASCLD/LAB accreditation for SSC Atlantic's lab.

To earn accreditation the lab team had to demonstrate that its technical processes and procedures and quality management system meet ISO/IEC 17025:2005 requirements and applicable ASCLD/LAB-International supplemental

## *Change of command*

*Continued from page 5*

the Assistant Program Manager for the Automated Digital Network System (ADNS); and finally as Acting Deputy Program Manager (DPM) for the Deployable Joint Command and Control Program Office in Panama City Beach, Florida.

In October 2007 Heller returned to then-SSC Charleston as Executive Officer and Deputy Chief Engineer before fleeting up as Chief Engineer. While in Charleston he was selected for promotion to the rank of captain. In October 2009 he reported to Naval Surface Warfare Center, Port

requirements, and that the Laboratory is operating according to those requirements. The process of accreditation entails submitting an application and undergoing a program compliance review by the assessors, of over 400 items, an extensive onsite assessment, and final package approval by the Laboratory Accreditation Board.

SSC Atlantic's accreditation is in the field of forensic science testing, in the discipline of digital and multimedia evidence and the category of computer forensics. The accreditation was more than two years in the making and was granted Aug. 17, 2015. It expires in four years.

As of Sept. 3, 2015 only 400 crime laboratories have been accredited by ASCLD/LAB since 1982, including 191 state laboratories, 133 local agency laboratories, 32 federal laboratories, 18 international and 26 private.

Hueneme Detachment as Deputy Commander, Office of Engineering and Technology and Chief Engineer, with responsibility for the technical execution of 1,900 military and civilians performing the test, evaluation and sustainment of the Navy's surface combat systems.

The change of command and retirement ceremony was attended by numerous guests of honor, including active duty and retired flag officers, Congressional staffers, former SSC Atlantic commanding officers and executive directors, chamber of commerce leaders and Joint Base Charleston tenant commanders.

# SSC Atlantic Portfolios realigned

After five years of maturing in the Competency Aligned Organization-Integrated Product Team (CAO-IPT) business model, SSC Atlantic realigned its seven portfolios into four: PEO-C4I, PEO-EIS, USMC/SOCOM and Navy and Federal Support.

The realignment came after almost a year of research that included input from customers, Business Portfolio Managers, Deputies, Business Financial Managers, System Engineers, Business Analysts, others who support the Portfolios and the OPM Organizational Assessment Survey (OAS) responses. The new organizational structure focuses on and aligns with SSC Atlantic customers, further streamlining the organization by reducing “frictional loss” and confusion about where work is accomplished. For example, previously a large project such as Consolidated Afloat Networks and Enterprise Services (CANES) fell into three different portfolios; now it is in one.

In addition, an Enterprise Service Manager was stood

up as part of the realignment. Now, as work flows in from the four portfolios the Service Center can more efficiently serve all customers.

The Strategic Operations Managers (SOMs) have been placed in new roles. The new portfolios stood up in May and the new construct was fully implemented in July. Since the seven previous subportfolios and IPTs were moved intact into the new portfolios, with only three IPTs divided, there was minimal disruption to the workforce.

PEO-C4I Portfolio Manager is Charlie Adams, with Deputies Don Fraser and Greg Lancaster.

PEO-EIS Portfolio Manager is Bruce Carter, with Deputy Brian Ratliff.

USMC/SOCOM Portfolio Manager is Kevin Charlow, with Deputy Charlotte Phelan.

Navy and Federal Support Portfolio Manager is Jackie Goff, with Deputies Kevin Gerald and Christina LaRussa-Martin.

Portfolio	Customer Areas			Enterprise Services
 <p><b>PEO C4I</b> (PMW 100s and 700s)</p> <p>Charlie Adams</p>	<ul style="list-style-type: none"> <li>PMW 120</li> <li>PMW 130</li> <li>PMW 150</li> <li>PMW 160</li> <li>PMW 170</li> </ul>	<ul style="list-style-type: none"> <li>PMW 740/750/760</li> <li>PMW 770</li> <li>PMW 790</li> <li>FRD 100/200</li> </ul>	<ul style="list-style-type: none"> <li>NAVSEA</li> <li>NAVAIR/USCG</li> <li>Navy Cyber/Numbered Fleet</li> </ul>	 <p>Ryan Gunst</p> <p><b>Financial Service Areas</b></p> <ul style="list-style-type: none"> <li>Customer Services (ISC)</li> <li>Commercial Services (ECS)</li> <li>Test and Eval Services (PPT)</li> <li>Software Services (SADIE)</li> <li>Infrastructure Services (DCC)</li> <li>Network Services (RDTE)</li> <li>Production Services (CAEI)</li> <li>Installation Services (IMO/FSC)</li> <li>Contract Services (CSC)</li> </ul>
 <p><b>PEO EIS</b> (all)</p> <p>Bruce Carter</p>	<ul style="list-style-type: none"> <li>PMW 205</li> <li>PMW 240</li> <li>PMW 220</li> </ul>	<ul style="list-style-type: none"> <li>Innovation Cell</li> <li>Cloud Access Point</li> </ul>	<ul style="list-style-type: none"> <li>Navy Data Center</li> <li>Application Optimization</li> </ul>	
 <p><b>USMC/SOCOM</b> (all)</p> <p>Kevin Charlow</p>	<ul style="list-style-type: none"> <li>SOCOM</li> <li>Army</li> </ul>	<ul style="list-style-type: none"> <li>USMC</li> <li>Air Force</li> </ul>		
 <p><b>Navy and Federal Support</b></p> <p>Jackie Goff</p>	<ul style="list-style-type: none"> <li>DISA</li> <li>DLA</li> <li>NSA</li> <li>NSF</li> <li>NAVSUP</li> <li>CNIC</li> <li>NAVFAC</li> <li>NSMA</li> </ul>	<ul style="list-style-type: none"> <li>Federal</li> <li>Navy &amp; Defense Medical</li> <li>Veteran Affairs</li> <li>Europe</li> <li>DARPA</li> <li>ONR</li> </ul>	<ul style="list-style-type: none"> <li>ONI</li> <li>AFRL</li> <li>iARPA</li> <li>DTRA</li> <li>NAVAIR (Other)</li> <li>Navy (Other)</li> </ul>	



Photo by Mass Communication Specialist 3rd Class Desmond Parks

**Information Systems Technician 2nd Class Alex Mullis conducts CANES backup training for Sailors assigned to the guided missile destroyer USS Laboon (DDG 58) in April. Laboon was conducting naval operations in the U.S. 6th Fleet area of operations in support of U.S. national security interests in Europe.**

# CANES

## *Information Dominance at its finest*

Twenty-five SSC Atlantic employees were among 75 recognized recently with a Lightning Bolt Award for engineering and installation excellence in advancing Navy's Consolidated Afloat Networks and Enterprise Services (CANES).

They are part of the CANES Installation Planning and Execution Team, which also includes employees from PEO C41 and SPAWAR. Presented by SPAWAR Commander Rear Adm. David Lewis, the award cites the team's "exceptional coordination, oversight and dedication in bringing the CANES to force and unit level platforms throughout the fleet.

"As a result of the team's tremendous efforts, the Navy's most advanced information systems network is operational on 23 ships around the world and installation teams are overcoming challenges every day to increase that number, standardizing equipment and improving network security Navywide."

The SSC Atlantic team members recognized were Navy Capt. William Albin, Mike Anderson, Mike Aselin, Noel Balabis, Dave Belcik, Rich Boucher, Bob Cervi, Mike Cornell, Dave Deese, Joe Denby, Scott Fox, Tonya Gragg, Klaus Gutnecht, Dean L'Hoste, Bob Leslie, Len Little and Lt. Jamie Mason, Aslam Hameeduddin, Zandria Wallace, Leandra Attwood, Jonathan Rann, John Radford, Michael

Stewart, Scott Rogers and Dan Johnson.

The SSC Atlantic team worked principally on surface ship installation planning and installation execution. They overcame the challenges associated with an unprecedented number of installations in a work saturated industrial environment that included 17 simultaneous CNO availabilities and 11 simultaneous CANES installations.

SSC Atlantic Installation Maintenance Officer (IMO) Rich Boucher also received a Meritorious Civilian Service Award from Rob Wolborsky, executive director SPAWAR Fleet Readiness Directorate. The citation noted the extreme volume of work, shortage of resources and work saturation environment and applauded the entire team for their "can do" attitudes, persistence and work ethic.

CANES takes Navy communications at sea a huge leap forward in capability, capacity and security. While Sailors will notice faster and more reliable connections, the real advantages of CANES are behind the scenes. It combines five legacy networks into a single environment. It will eventually be put on surface combatants, amphibious ships and submarines, standardizing the computing environment across platforms to make upgrades easier and ownership costs lower.

“CANES creates a new Information Dominance operational posture by greatly reducing cybersecurity vulnerability risks, centralizing cyber protection operations and providing robust cyber situational awareness. It serves as the cyber platform for more than 200 applications and connected systems, including data, transport, systems management, and voice and video services,” said Lewis.

“The current technology is really proving itself and is a big improvement from the previous ISNS (Integrated Shipboard Network System) IT suite. We are on a regular drumbeat now with technical refreshes for software and hardware with a cybersecure architecture,” he continued.

CANES represents a fundamental breakthrough in the way the Navy procures C4ISR capabilities. By using proven technology and industry standards, CANES provides a common computing environment, including network hardware and software infrastructure. It hosts more than 120 systems that perform functions from warfighting to supplies and maintenance records management to pay and administrative functions.

The installation process is a monumental undertaking on each ship. It begins when crews rip out old network hardware, then they begin installing new firmware and servers, along with thousands of feet of fiber optic cable and miles of shielded Category 5 network cable. The job doesn’t end with certification that the installation is complete. Ship crews must be trained to operate, maintain and defend CANES.

They must be certified to deploy with the first operational CANES installation.

Rear Adm. John Neagley, Fleet Readiness director at SPAWAR oversees both installation and in-service support for CANES. A successful installation starts with good planning, he said, including accurate drawings and other documentation. The more CANES components that can be prefabricated before getting to the ship, the better, given the confined spaces on board and other teams trying to do other maintenance and modernization work in the same spaces.

Installation crews also efficiently sequence the work, determining when it is okay to have other crews working nearby and when they need the space to themselves. Software loading and testing in-house at SPAWAR saves time and ensures all the bugs are worked out before loading it on the ship. Sailors who will use the systems are also brought to the SPAWAR lab to learn during the test phase.

CANES also has a built-in tech refresh and obsolescence cycle, which will avoid costly mitigations for end-of-life software and hardware. The software and hardware will be updated to keep up with new cyber threats and new capabilities that emerge.

CANES will be installed on 178 ships and shore sites, including submarines. As of October, the CANES program has completed 25 installations with several installations ongoing.

- Susan Piedfort, Chronicle Editor

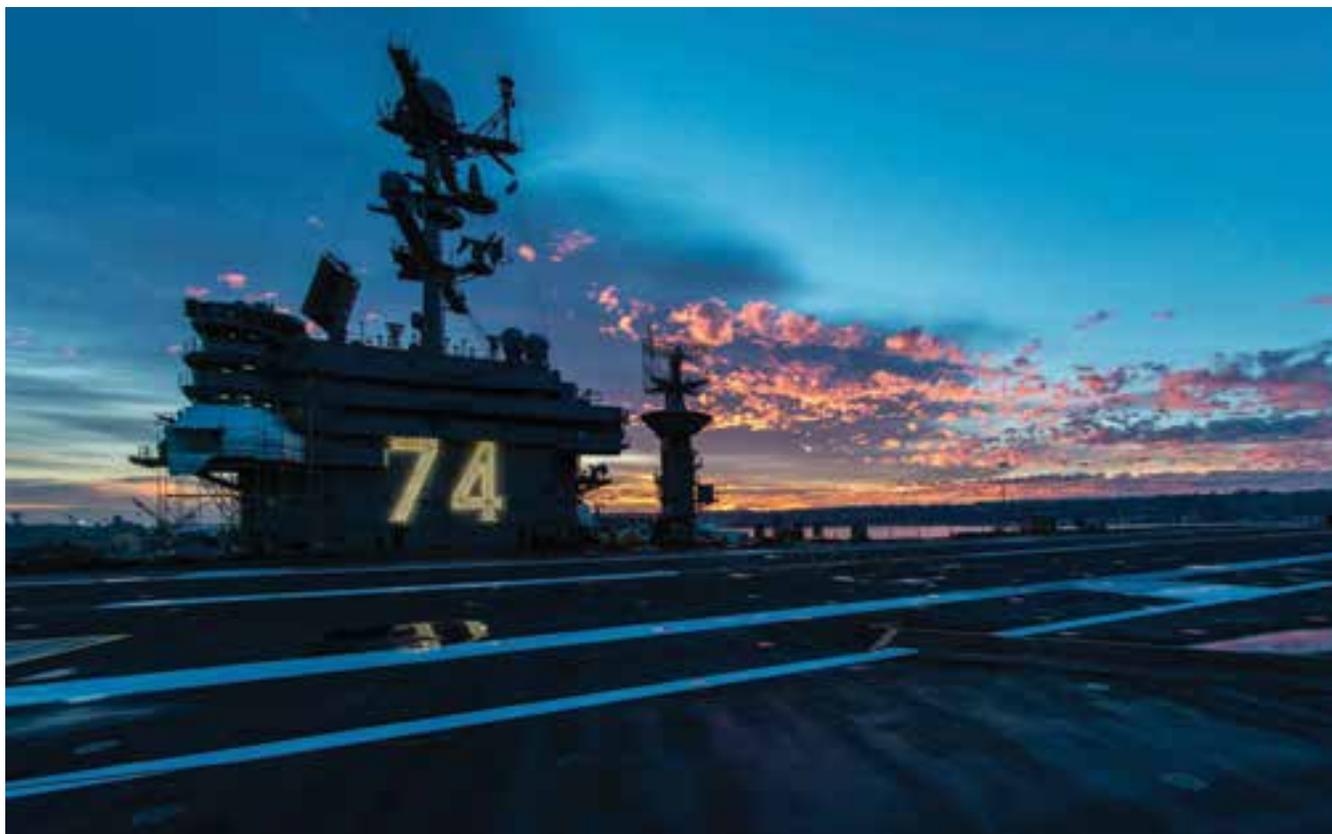


Photo by Mass Communication Specialist 3rd Class Andre T. Richard

***USS John C. Stennis (CVN 74), pictured in port at Naval Base Kitsap-Bremerton, was the first aircraft carrier to receive CANES.***

# SSC Atlantic projects among top 6

Two of five SSC Atlantic proposals submitted to the Assistant Secretary of the Navy for Research, Development, Test & Evaluation (ASN RDT&E) Automatic Test and Analysis (ATA) program will receive funding from the Chief of Naval Operations' Innovation, Technology Requirements, and Test & Evaluation (N84) for FY16.

Ranked #5 and #6 for N84 funding were Digital Battlespace Environment Simulator (DBES) and Global Combat Support System - Marine Corps (GCSS-MC) projects, respectively. Thirty-nine proposals were submitted from various Navy commands across five systems centers, including SPAWAR, NAVAIR, NAVSEA and MARCORSSYSCOM. Only the top 10 programs were selected for funding with the \$6.6M ASN RDT&E ATA budget.

DBES, developed by SSC Atlantic's Dr. Scott Buscemi of 7.0, will be funded to develop a new Test Scenario Engine capable of generating RF emulated environments with government-owned software in a reduced timeline. DBES system uses COTS hardware and GPR software. Implementation/Integration of a new Test Scenario Engine (e.g. NRL Interactive Scenario Builder 3) will be available for any government agency as part of the DBES system, and will include documentation detailing software integration and validation testing. (See story at right.)

Larry Yang, a computer scientist assigned to SSC Atlantic's GCSS-MC's Test and Evaluation (T&E), developed an automated testing solution for IT Enterprise Business Systems which will also receive funding. The intent of the Enterprise Test Automation (SW Dev Automated Test Tool project) is to create an automated testing solution for IT Enterprise Business Systems that will benefit the Expeditionary Portfolio, as well as future SPAWAR enterprise software and other software intensive programs. In addition, the lessons learned supporting the Marines will be poured into the other programs at PEO C4I and PEO EIS.

The project will use GCSS-MC as a pilot, where the automated testing solution and capability will be proven. Metrics will be captured to ensure that the time and money have been well spent. GCSS-MC is a Major Automated Information System (MAIS) Acquisition Category I (ACAT-I) program and has been selected as the pilot project due to its complexity, requirements/technical maturity, and sufficient number of interfaces.

GCSS-MC is a multi-increment program of record for Logistics Chain Management (LCM) that is intended to modernize the entire Marine Corps Logistics Architecture and Management capabilities, providing near real-time visibility



*Larry Yang*

of retail supply, wholesale supply, equipment maintenance and repair transactions.

Since May 2012 SSC Atlantic has provided systems engineering sustainment and technical support to the GCSS-MC program office. This includes modernization engineering, infrastructure, logistics and system baseline configuration management support to the Marine Corps Systems Command Program office and Navy PEO-EIS. Marines in combat require a rapid and flexible logistics capability responsive to the 21st century battlefield. GCSS-MC answers this critical operation imperative.

DBES and GCSS-MC teams are working the Statement of Work process for transferring funds. For both projects, formal award letters are in the works and Enterprise Test Automation team will be developed to support the effort.

Other SSC Atlantic submissions included Radio Communications Analysis Test (RCAT) for software defined radio testing, a project that would develop a government software defined radio interface, including documentation detailing software integration and validation testing. This would provide robust software user interface supporting both centralized and decentralized radio loading, status monitoring, configuration management and control.

The Dark Ether project would allow better detection of counterfeit hardware, software and firmware in the supply chain. Enhancing the current Dark Ether tool to automate device intake, physical analysis and report generation, this project would increase capability to convert from a command-line interface to a graphical user interface. This would allow for more end-users to use the tool with less required specialty knowledge. It would decrease the overall amount

of time for configuring devices to conduct scanning/analysis for both the event and labor-hours.

Laboratory Automated Test Framework (LATF) would bring together the core elements of hardware testing into one framework to make automated testing more accessible, cost effective and user friendly. The testing of software that is related to hardware is also testable by this framework. The integration of Automated Test and Re-Test (ATRT) could also be explored to allow automatic test execution when software changes are reported. This project would deliver an automated test framework capable of test scheduling, test scripting, test execution, test report generation and test report viewing. This project would bring some of the aspects that have been achieved in automated software testing to a laboratory/hardware environment.

Under the 2014 DoD Appropriations Bill, Congress encouraged the Navy to use automated test tools to the fullest extent to reduce labor and costs of testing. An enterprise approach to foster increased automated test tool use and collaboration between systems commands led to the change from ATRT to ATA, under the resource sponsorship of OPNAV N84.

The objectives of ATA are to investigate, explore and implement automated testing and analysis capabilities across Navy surface, undersea, littoral, aviation, space-based and other warfare domains. It encourages testing in new and innovative ways to improve the accuracy, repeatability and/or predictability of test execution, increase the effectiveness/efficiency of test execution cycles, and improve the management of test timelines.

The ATA program also aims to maintain and/or improve product quality through earlier detection of deficiencies and by conducting analysis of source code and work products, starting from the beginning of the life cycle. The program also seeks a reduction in overall software and dependent hardware development and fielding costs and cycle times. Overall planning, execution and monitoring of test activities and requirements traceability are improved throughout the entire development life cycle through the use of automated test management and execution tools.

The Navy's ATA Program's Technical Criteria defines the categories and relative priority the Proposal Evaluation Panel (PEP) uses to evaluate proposals. High Priority automations reduce the amount of time required without additional staffing, reduce the human effort, are reusable and extendable, provide a unique test capability and improve or enhance testing coverage. Medium Priority automations ensure that no new problems are introduced into the existing baseline as new functionality is being added, improves cybersecurity and improves the fidelity of the test data. Low priority automations improve the repeatability of a test.

- Susan Piedfort, Chronicle Editor

# DBES

## Putting networked comms devices in warfighters' hands quickly, cost effectively

Recognizing a technology gap in a customer's capabilities, SSC Atlantic's Dr. Scott Buscemi of 7.0 developed a proposal for a Digital Battlespace Environment Simulator (DBES) which was funded in 2010's Innovation Program, received follow-on funding in 2011, and most recently, was chose for further funding through ASN RDT&E via the Navy Automatic Test and Analysis (ATA) Program for FY16.

This new capability puts networked communication devices in the

hands of warfighters' quickly and cost effectively. Electrical devices such as radios, jammers and other devices that emit and receive electromagnetic waves must be tested and networked before being used by warfighters. Traditionally tests must be performed on each individual device in the field. The Wideband Networking Wave-



**Dr. Scott Buscemi**

form (WNW) was successfully tested to network 30 ground mobile radios (GMRs) sharing data and video. One finding of that demonstration was the cost of in-lab testing is a small fraction of the cost of a field test and could be an extremely effective method for finding issues, provided it can be conducted at a high enough scale and fidelity.

DBES solves the scale and fidelity issue by emulating the electromagnetic wave propagation environment seen by the devices and allows for lab testing of many radios and radio frequency devices simultaneously, in real time and as if they were in the field. This reduces the time and money required to send people and vehicles into the field to develop and test radios, jammers and other wireless devices.

By clustering configurable integrated circuits together, Buscemi developed a channel emulator that is 10 times more powerful than anything else currently available. During his research project Buscemi innovated a way to distribute the processing and wrote a paper on how to scale the DBES for large-scale tests with up to 1,000 nodes.

# SSC Atlantic designated a CSfC Trusted integrator

SSC Atlantic has joined the National Security Agency (NSA) Information Assurance Directorate (IAD) Commercial Solutions for Classified (CSfC) program as the CSfC Trusted Integrator for the Navy and Marine Corps.

A Memorandum of Agreement (MOA) designating SSC Atlantic as a CSfC Trusted Integrator was signed by SSC Atlantic Commanding Officer Capt. Scott Heller during an Aug. 14 visit by Neal Ziring (SES), the NSA/CSS IAD Technical Director and Chair of the CSfC Technical Advisory Board.

This designation as a trusted integrator allows SSC Atlantic to employ new ways of leveraging emerging commercial technologies to deliver more timely IA solutions for rapidly evolving Navy and Marine Corps requirements.

During his visit Ziring provided insight to command leadership on how utilizing CSfC may be the most cost effective and efficient method to fast track fielding of security solutions for some Navy and Marine Corps programs.

U.S. government customers increasingly require immediate use of the market's most modern commercial hardware and software technologies within National Security Systems (NSS) in order to achieve mission objectives. Consequently, the National Security Agency/Central Security Service's (NSA/CSS) IAD is developing new ways to leverage emerging technologies.

NSA/CSS's CSfC Program has been established to enable commercial products to be used in layered solutions protecting classified NSS data. This will provide the ability to securely communicate based on commercial standards in a solution that can be fielded in months, not years. Registered Capability Packages (CPs) enable customers to leverage the Commercial Solutions for Classified process by building and testing in accordance with



*Above, SSC Atlantic Commanding Officer Capt. Scott Heller and 5.0 Lead and Senior Executive for Net-Centric Development and Integration Andrew Mansfield discuss the way forward with Neal Ziring. Below, Ziring and Heller pause for a photo op during the signing of the Memorandum of Agreement.*



Photos by Joe Bullinger

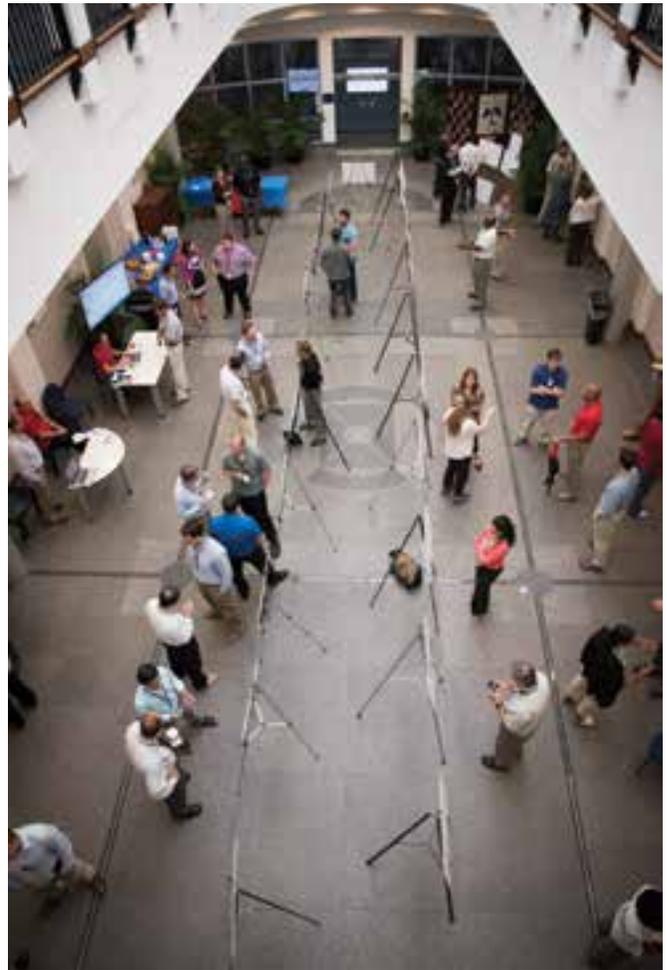
an approved CP, selecting components from the CSfC Components List, and registering the solution with NSA.

SSC Atlantic successfully met all the criteria and completed the application process for a CSfC Trusted Integrator. These criteria and processes are defined to provide a common baseline for CSfC solution integrators.

This is a significant milestone in the Navy and Marine Corps adoption of trusted layered commercial components to protect National Security Systems (NSS).

# Innovations highlighted in NISE poster session

*SSC Atlantic innovators turned out in full force in the atrium of Bldg. 3147 Sept. 8 to look at posters that detailed research projects underway by 2015 recipients of Naval Innovative Science and Engineering (NISE) Section 219 grants. The goal of the poster session was for principal investigators and project leads to share their work and findings with others. It also gave SSC Atlantic employees a chance to see what their fellow scientists and engineers are focused on for the future. The NISE program, established in the FY09 National Defense Authorization Act, authorizes Navy laboratories, warfare centers and systems centers to fund innovative basic and applied research that supports naval missions, develop programs that transition technologies into operational use, and invest in workforce development and recruiting. The NISE program supports four major areas: Basic and Applied Research (BAR), Facilities Recapitalization, Technology Transition and Workforce Development. Section 219 authority also provides more flexibility to support advanced degrees, rotational assignments, and workforce certifications as well as invest in aging facilities and equipment. Section 219 also provides more opportunity for SSC Atlantic to participate in cross-organizational, multidisciplinary teams (including industry and academia) to mature technologies and transition them into naval programs.*



Photos by Joe Bullinger



# XO Ziemba's retirement a family affair

Family and friends came from around the country to celebrate SSC Atlantic Executive Officer Cmdr. Marcia Ziemba's 22+ years of naval service during her retirement ceremony held Nov. 20 in the atrium of the main engineering center in Charleston.

Guest speaker was Capt. Scott Langley, Ziemba's shipmate at the Naval Postgraduate School and in New Orleans, Louisiana. The invocation and benediction were given by Cmdr. Dave Perry, who served with Ziemba at Naval Computer and Telecommunications Area Master Station, Pacific.

"We take a moment, all ship's company, to pause what we are doing and pay our respects to a shipmate going ashore," said SSC Atlantic Commanding Officer Capt. Scott Heller, also a guest speaker. "Ashore for the last time after decades of carrying the weight of responsibility assigned to an officer serving at the leisure of the President. Cmdr. Ziemba carried this weight well ... much better than most," he added.

Above, the Ziemba family poses before cutting into the retirement cake, and at right, SSC Atlantic officers perform the passing-of-the-flag ceremony before presenting it to Ziemba.



Photos by Joe Bullinger



## Happy 240th Birthday Marines!

*SSC Atlantic Commanding Officer Capt. Scott Heller was on hand to help local Marines celebrate the Corps' 240th birthday Nov. 10 in front of Bldg. 198 on the former Naval Base. The ceremony featured a message from the Commandant of the Marine Corps, a reading of the names of fallen Marines, Heller's comments and a cake cutting ceremony.*

Photos by Joe Bullinger



Photos by Joe Bullinger

## SSC Atlantic leaders gather for workshop

*The SSC Atlantic Leadership Workshop was held October 27 through 30 at the conference center in Charleston and attended by supervisors from all SSC Atlantic locations. The gathering featured briefs, break-out sessions, leadership challenges and a presentation by Ralph Brandt, pictured above, on leadership. At right, SSC Atlantic Commanding Officer Capt. Scott Heller discusses the Guideposts and work acceptance strategies during his brief to the leaders. Below, Roy Lindsay of 633 discusses a leadership challenge during a break-out session.*





*From left, New Professionals Nikilia Stovall, Eric Jones, William Senor, Andrew Simmons, Kiana Delery and Jonathan Parnell take a break from running the New Orleans robotics summer camp.*

# New Professionals

## *Reaching out through STEM in New Orleans*

New Professionals (NPs) from SSC Atlantic's New Orleans Detachment organized and facilitated a LEGO® EV3 Robotics Summer Camp July 13 to 17 at the University of New Orleans Lakefront Campus.

Twenty-four New Orleans area students participated in hands-on activities such as robotics and design engineering during the week-long camp. They also learned about computer network defense, command and control systems and cyber programming.

Led by SSC Atlantic New Orleans NP Andrew Simmons of Code 54380, fellow NPs Nikilia Stovall, Eric Jones, William Senor, Kiana Delery and Jonathan Parnell worked for more than two months preparing all the details of the camp, in addition to running the games.

Simmons, who learned about SSC Atlantic at a

recruiting booth at a FIRST® Robotics Competition (FRC) Bayou Regional event, has since graduated from SSC Atlantic's NP program.

This year the SSC Atlantic Robotics Outreach Team is using LEGO® Mindstorms EV3 robotics technology to inspire 4th and 5th grade students. The team also developed two new additional tracks centered on inspiring students to dive into the field of computer programming and robotics.

Preparations included logistical and technical planning, procuring the robotics materials and learning to build the robots, training, support, laptop set up and arranging tours of SSC Atlantic's Help Desk Call Center and Navy Enterprise Data Center. The NPs partnered with points of contact at NASA, FIRST® Robotics Competition Team 3946, the





Photos by Joe Bullinger

***Above left, students learned about the color spectrum during a SUNO optics demonstration. Above right, SSC Atlantic's Jeffrey Dodson helps the kids with computer programming.***

University of New Orleans (UNO) Department of Computer Science and Southern University at New Orleans (SUNO) Physics Department.

Once the camp got underway, the NPs supervised, announced and refereed games, and instructed courses in cybersecurity and computer programming. Also volunteering with the summer camp were New Orleans STEM Champion Marcus Hall, Detachment Officer-in-Charge Cmdr. Thomas DeLarge, SSC Atlantic STEM Outreach Program Manager Shanda Johnson, SSC Atlantic Outreach Coordinator Karen Cooke, Lakeisha Williams, Ida Lirette, Jared Anderson, Raymond Pierce Jr., Kerwin Lefrere, Latoya Taylor, Dave

Bonar and Joe Bullinger.

The goal of the camp is not only to create excitement in STEM areas of study but also to introduce and expose students to technology that will start them on a pathway to become the cyber warriors of the future.

This was the first LEGO® EV3 Robotics Summer Camp hosted in New Orleans as part of SSC Atlantic's STEM initiative; it is supported with funding provided by the National Defense Education Program (NDEP). The STEM Outreach team in New Orleans most recently hosted the 2015 SPAWAR at UNO FIRST® LEGO® League Qualifying Tournament Nov. 7.



***From left, Jonathan Parnell, Phillip Hebert of NASA and SSC Atlantic New Orleans Detachment Officer-in-Charge Cmdr. Thomas DeLarge use liquid nitrogen for one of the more popular demonstrations during the summer camp.***

# Defend Your Domain!

## *Cybersecurity summer camp*

Students from Charleston, Berkeley and Dorchester county school districts in South Carolina beat the summer heat by participating in a week-long “Defend Your Domain” cybersecurity camp held at the Lowcountry Tech Academy and organized by SSC Atlantic and Trident Technical College volunteers.

More than 30 SSC Atlantic employees volunteered for the June camp, instructing courses and facilitating exercises in today’s IT environment related to cybersecurity and national defense.

In an effort to inspire the next generation of scientists and engineers and to enable our nation to meet its cyberdefense needs, this year’s camp continued the tradition of giving high school students hands-on skills and experience geared toward encouraging interest in science, technology, engineering and math (STEM) careers.

To that end the campers -- who numbered more than 80 students -- were able to choose from tracks such as cybersecurity, programming, robotics and computer network

defense. Classes in these tracks had campers deconstructing computers, writing HTML, building robots and a variety of other fun and educational activities.

This year the SSC Atlantic Cybersecurity Outreach Team, led by “camp director” Bill Littleton of Code 58520, developed two additional tracks that brought middle school campers along for the educational ride. SSC Atlantic profes-

sionals led “Junior Cyber Warrior” classes for 5th through 8th graders in areas such as computer deconstruction, command and control systems, building PowerPoint slides, internet security, LEGO® robotics, cyber espionage, snap circuits, scratch programming, trebuchet building and cybersecurity.

The students also undertook a “Clash of the Clans” -style cybersecurity challenge. In the Cyber Espionage challenge, students had to recover key intelligence from a USB drive containing stolen information after searching mannekin which represented a potential spy. Once they found the suspicious item on the spy, they examined the data for



*Above, an SSC Atlantic volunteer helps a student build a trebuchet and at top, a student builds a robot.*



Photos by Joe Bullinger

valuable secrets using popular cryptography and forensics tools.

Other campers enjoyed sessions like Installing and Securing Linux, Networking, Installing and Securing Windows, Vulnerabilities and Threats, Java Script Design and Raspberry Pi. Students interested in engineering and robotics were treated to a VEX robotics program packed with hands-on project-based learning activities. Students also got to experiment with a small drone as they tried to navigate through various obstacles.

This third annual Palmetto Cybersecurity Summer Camp is supported with funding provided by the National Defense Education Program (NDEP).



*Students learn programming, build robots and test their robots on an obstacle course during the cybersecurity summer camp.*





*WOW participants listen in person and via VTC as SSC Atlantic Commanding Officer Capt. Scott Heller discusses his priorities during a Sept. 3 gathering in the Electronic Board Room.*

## Women of the Workplace host commanding officer in center-wide discussion

SSC Atlantic Commanding Officer Capt. Scott Heller was guest speaker at a Sept. 3 gathering of Women in the Workplace (WOW) in Charleston which was streamed to all center sites.

Heller reiterated his goals as SSC Atlantic commanding officer, as he spoke for more than 45 minutes and took questions from all sites. “I want to make SSC Atlantic as efficient as possible,” the CO said. “This means everyone is efficient at what they do. I’d like for everyone to think about why SSC Atlantic exists, and how you contribute to our mission, not just as women, but as people,” Heller said.

“We exist to give our nation situational awareness and to ensure naval dominance. You are contributing to make this all work,” he said, adding that he is focused on restoring a high performing culture and applying the scientific method to how we do our work.

“We are going to measure our performance, and we will be able tell the fleet what’s wrong before they tell us,” he said.

WOW provides a forum for personal and professional growth, and to serve as a catalyst for the success of women in the workforce. WOW helps women empower each other -- to discuss and understand their strengths and to tap into those strengths to be more effective in their current jobs and to pursue new opportunities.

WOW is also looking for women (and men) to take part in events. WOW helps develop leadership skills that make better employees: employees who are well-rounded and empowered. It encourages greater engagement, participation, visibility and leadership of women as members of the SSC



Photos by Joe Bullinger

Atlantic workforce. It also provides targeted industry networking opportunities for employees, and helps to market, recruit and retain women into SSC Atlantic and industry as a whole.

“We recognize that some men (and women) have the wrong impression that WOW is just for women and that men are not welcome,” said Claire Commodore-Wheeler of 50A, who with Lisa Pass of 80C coordinates WOW events. “That could not be farther from the truth. WOW allows women and men an opportunity to talk about perceived barriers on both sides. It gives us a forum to discuss the differences between men and women in the workplace, to prepare you better for your career and to get men’s perspectives,” she added.

Studies have shown that compared to men, women don’t always recognize their own strengths or feel qualified for some opportunities. A woman may also have a sense of allegiance to a position that is not required or even noticed, but it may keep her from taking advantage of new opportunities or special projects. WOW is all about changing those mindsets, emphasizing the whole person and playing up individual strengths in order to advance careers.

“WOW is a win-win for everybody,” Pass added, “and we encourage our employees in Charleston, Hampton Roads, New Orleans and Tampa to join us at our next WOW meeting.

WOW was established in 2012, with previous events including roundtables, panel discussions on overcoming personal obstacles, leadership series training classes, networking events, brown bag luncheons and book club discussions.

# MAPP

## *Matching available employees to the right work*

Because of the nature of many SSC Atlantic projects and programs, employees can often find themselves between work assignments, and during these times they are using overhead funds. SSC Atlantic's transition from a line/department model based on product lines and customers to the current Competency Aligned Organization (CAO) also contributes to the displacement of some employees.

The challenge is to act quickly and efficiently to match available employees with assignments. SSC Atlantic's Mission Aligned Process Program (MAPP) works to do just that.

MAPP has been in operation for about three years now and is aimed at reducing the impact of the command's untasked/unfunded employees. Prior to MAPP, the command was spending approximately \$7.5 million a year of overhead on these individuals. Led by MAPP Champion Dave Monahan, MAPP Advocate Bob Miller of 01B00, Deputy MAPP Advocate Eric Enes of 55, Hugh Smith of 10 and Michelle Rehr-Matash of 85 were tasked with finding a path forward that was beneficial to the command and to displaced employees, to not only speed up the process of placing employees, but also to bring the cost to approximately \$1 million a year (an 86 percent cost savings.)

The MAPP team has accomplished this by using a simplified form that employees can complete in less than 30 minutes. They have also used numerous efficiencies such as advanced search macros. While the form looks like a standard Adobe form that is easily populated, it actually contains lots of background information in several fields that allow the team to run automatic macros and scripts to parse and sort data into single reports for searching and tracking information. This process also allows automatic creation of high level summary reports that are posted directly to the COG for everyone to see each week, which advertises employees' skill sets to anyone looking for people.

Armed with this information about the employee's education, skills, certifications, work experience, interests and hobbies, MAPP team members have the ability to dedicate time to each individual enrolled in the program to help look for taskings across the command they could perform, and that they would enjoy working. The team monitors each



Photo by Joe Bullinger

***From left, Bob Miller, Eric Enes, Michelle Rehr-Matash and Hugh Smith make up the SSC Atlantic MAPP team.***

employee's success and follows up as needed.

"The other advantage is that due to the direct and simple questions on the form, we have seen that they give direct supervisors additional insight into their employees' skills, hobbies and interests, allowing them to connect their employees with taskings without even placing employees into the MAPP queue," Miller said.

The MAPP team also looks at placement procedures and innovative ways of advertising available people.

An example of just one month's hourly savings is illustrated by the following metrics: in November 2012 MAPP hours were 6,657, but in November 2015 this dropped to 1,548 hours. These reduced hours are even more impressive when you consider that in 2012 there were about 57 employees enrolled in the program, and in 2015 MAPP helped over 200 people.

While the MAPP team is focused on SSC Atlantic, they have also used their expertise to help place an SSC Pacific employee.

"People are our most important resource. Helping people find work is an important mission to keeps them connected to the warfighter," Miller said, "and helping people is what we do."

Those who need help from the MAPP team can email [ssclant\\_mapp\\_advocate.fcm@navy.mil](mailto:ssclant_mapp_advocate.fcm@navy.mil) or call Bob Miller 843-218-4898 or Eric Enes 843-218-4828.

## *New MCLP graduates hit the ground running*

*SSC Atlantic's most recent Mid-Career Leadership Program (MCLP) class graduated Oct. 23, as pictured below, after a variety of activities, including a visit to ex-USS Yorktown at Patriot's Point Naval and Maritime Museum, at right. The six-month program, facilitated by 81's David Hillman and Dr. Scott Dreyer, is focused on developing competitively selected mid-career employees who model command values and apply leadership to influence and effect positive change, empower each individual to make a difference, and instill a teaming and learning culture across SSC Atlantic. Participants develop skills outlined in the SPAWAR Leadership Competency Development Model and the Department of Defense Leadership Continuum through interactive lectures, guest speakers, guided discussions, and activity-based experiential learning. Activities reinforce leadership concepts through a variety of roles and assignments. Self-exploration and awareness, and appreciation of leadership as a continuous learning process and lifelong journey, are key components of the program. Those demonstrating a strong desire and potential to lead SSC Atlantic into the future who want to be challenged should apply for the next MCLP class. More information is on the COG at <https://wiki.spawar.navy.mil/confluence/pages/viewpage.action?pageId=71868648>.*



Photos by Joe Bullinger





*Above, girls enjoy karaoke during a pajama party at the College of Charleston. At right, girls check out the items at the SSC Atlantic booth. Below, they begin putting their LEGO® robots together in a class on the first day of GDO.*



Photos by Joe Bullinger

# Girls' day out

activities designed to attract 8th and 9th grade girls to pursue science, technology, engineering and mathematics (STEM) careers.

Experiential learning opportunities such as interactive exhibits, robotics and drone activities, junior cyber security courses and computer programming allowed for in-depth career exploration.

The Charleston event also included information sessions for parents about STEM degrees available and admission and tuition requirements. Students also toured the College of Charleston, stayed overnight in a dorm and ate in a dining hall. They also learned soft skills and “techie etiquette.” A panel discussion featuring women in STEM careers was also featured.

Eighty girls from Lowcountry schools took a “Girls Day Out” at the College of Charleston July 24 and 25, following a similar event held in Hampton Roads at Norfolk State University (NSU) July 11.

Hosted by SSC Atlantic’s Hampton Roads Detachment and NSU’s College of Science, Engineering and Technology, the July 11 event was held at the NSU Nursing and General Education Building.

The two-day Charleston event was hosted by SSC Atlantic and the Office of Naval Research, College of Charleston, Trident Technical College, Paul Mitchell the School Charleston and NUCOR.

Both events featured hands-on



# STAND DOWN

## AGAINST HOMELESSNESS



SSC Atlantic volunteers turned out in force to support the 16th Annual Veteran Stand Down Against Homelessness Oct. 30 at the VA Community Resource and Referral Center in North Charleston.

The Ralph H. Johnson VA Medical Center, in partnership with Goodwill Industries of Lower South Carolina and Palmetto Warrior Connection, sponsored the event.



Medical screenings, flu vaccinations, clothing, food, haircuts, job resources and legal counseling were provided free of charge for hundreds of homeless veterans in the greater Charleston area who attended

More than 20 SSC Atlantic employees took annual leave to help, giving out meals and supplies and chatting with veterans.



Photos by Joe Bullinger



Photos by Joe Bullinger

*SSC Atlantic Commanding Officer Capt. Scott Heller kicks off the diversity event in the Conference Center.*

## Embracing differences at diversity event

SSC Atlantic employees embraced their differences during an Oct. 21 diversity celebration held in Bldg. 3112 and broadcast to all sites. The event featured educational booths, entertainment, food sampling and keynote speaker Victoria Bowens, director of Diversity and Inclusion for the Department of Navy. Musical entertainment included a bagpipe performance and selections by the SSC Atlantic choir.

“Each man and woman brings his or her own life experi-

ences, values, ideas and talents to the common effort and, by capitalizing on this rich diversity, they achieve remarkable results,” said Bowens, a retired Air Force colonel. “Our people are our power and our strength.”

Information tables featured Native American Indian, Hispanic and Asian Pacific Islander cultures. SSC Atlantic’s Veterans Workforce Integration Office, Disability Program Team, Reasonable Accommodations, Black Employment Special Program Team, Federal Women’s Special Program Team, Women of the Workforce, STEM outreach and Barrier Analysis team were among others featured at informational tables.

The event was organized by SSC Atlantic’s Office of EEO and Diversity Management and the Special Program Team.



*The Asian Pacific Islander exhibit, above, was featured at the diversity event, which was highlighted by a presentation by Victoria Bowens, right.*





Photos by Jerry Sekerak

## Wiand speaks to Women in Defense in Hampton Roads

*Tim Wiand, SSC Atlantic's associate deputy director for Small Business Programs, speaks to members of a Women in Defense Greater Hampton Roads gathering Sept. 24 in support of its Sixth Annual Professional Development Day. Wiand briefed the group on SSC*

*Atlantic, its contracting process and small business opportunities. Women In Defense Greater Hampton Roads (WIDGHR) was formed in April 2010 for women and men across the Greater Hampton Roads region who are engaged in national defense and security.*

## 'YOU'RE THE BEST COWORKER EVER...'

*... might be what Erik Rooman, a program manager in 611, is telling an SSC Atlantic employee during the first-ever SSC Atlantic Compliment Event, held Oct. 7 and 8 in Charleston to benefit the Combined Federal Campaign (CFC). Rooman, Ken McCullough, Sherri Anderson, Tony Jones and Lisa Pass made their way all around Bldg. 3147 giving out 225 compliments which, along with gourmet donuts and coffee for sale, raised \$600 for CFC charities and kicked off a variety of entertaining fundraising events.*



Photo by Joe Bullinger

# Caporale presented Miller Sword

Upon his recent graduation from The Citadel, Ens. Ricardo A. Caporale was presented the Robert G. Miller Sword, an award which honors the father of an SSC Atlantic employee. Caporale was the eighth recipient of this leadership award. He was selected by the senior Navy Reserve Officer Training Corps (NROTC) staff at The Citadel for the honor.

Robert G. Miller was an Army veteran who served as commander of the Palisades Power Squadron in New Jersey and taught public boating classes until his death in 1996. During World War II, Tech Sergeant Miller served in the Seventh and Third Army under General Patton seeing action in the Battle of the Bulge.

He and his wife Dorothy raised four children in Teaneck, New Jersey, including SSC Atlantic's Bob Miller, a



Photo provided

**Col. Tom Clark, USMC (Ret.) then-commanding officer of the Navy ROTC unit at The Citadel, SSC Atlantic's Bob Miller, Ens. Ricardo Caporale, Sherri Miller and Medal of Honor recipient Maj. Gen. James E. Livingston, USMC (Ret.) pose at The Citadel awards ceremony.**

systems engineer in 01B00.

Miller and his siblings established the memorial award, presented annually to The Citadel NROTC sea services candidate excelling in Navy battalion leadership, in the top 25 percent of the

graduating class, and embodying Robert Miller's leadership skills, dedication to public service and love of the sea.

Caporale, who was also a Biology Gold Star recipient, has entered Navy Aviation pilot training.

## Diana, Carter earn Meritorious Civilian Service awards

Two SSC Atlantic employees were presented Navy Meritorious Civilian Service Awards at a recent all hands gathering.

Brian Diana of 824 was presented the award for his leadership, dedication and strong passion in support of improving the information assurance and cybersecurity posture for the Navy, which led to the successful cybersecurity inspection of the Navy Enterprise Data center in New Orleans, Louisiana.

"Your acumen, analysis and remediation plan provided the foundation for meeting the challenges of the rigorous inspection elements," the citation noted, and improved the security posture of systems and infrastructure for the Navy and Navy customers. His efforts were lauded for enhancing the Navy's position in fighting cyber warfare attaches both at home and abroad.



Krista Carter of 813 was also presented the Navy Meritorious Civilian Service Award, for her support of our workforce of today and the Department of Defense workforce of the future. The accompanying citation cited Carter's tenacity and personal commitment to continuous process improvement and to the development

of processes, policies and tools that enable employees to achieve their true potential through competency development. Her efforts also helped foster a climate of teamwork, professionalism and transparency across the Total Force Management Competency and the command at large.

"The impact of your efforts has been felt beyond the boundaries of SPAWAR as you tirelessly share our best practices with the Total Force community across the Navy," the citation noted.

# Old Crows host 6th Annual EW/Cyber Convergence Conference

By Dave Walman  
Code 56110

The Palmetto Roost Chapter of the Association of Old Crows (AOC) – a professional organization advocating strategy, policy and programs for cyber warfare and electromagnetic spectrum (EMS) operations – hosted their sixth annual Classified Electronic Warfare (EW)/Cyber Convergence Conference in June at SSC Atlantic's Cooper River Landing Conference Center. SSC Atlantic's Enterprise Service Manager Ryan Gunst welcomed more than 150 military members, government employees and contractors in attendance.

This year's theme focused on EW and cyberspace technical capabilities becoming more technically similar; however, the communities which practice these disciplines remain largely separated and vary widely across the military services in terms of their equipment, unit organization and operating methodologies.

The conference provided the EW and cyberspace communities an opportunity to collaborate and discuss capabilities, TTPs and research in EW and cyber operations to enable more rapid deployment of new and improved capabilities. This convergence conference

identified ways to develop advanced technologies and systems to address the changing battlefield dynamics of the digital age and bring EW and cyber together for the warfighter.

The master of ceremonies on the first day was Rich Nelson, President of the Palmetto Roost Chapter. Patrick Burnette, Conference Agenda Committee Chair, facilitated sessions that categorized the operational concepts of combining EW capabilities with cyber warfare tactics and enabling the rapid deployment of new and improved capabilities on the second and third days.

Keynote speakers included Brig. Gen. Peter J. Lambert, USAF, Vice Commander 25th Air Force, Joint Base San Antonio-Lackland, Texas; Rosemary S. Wenchel, SES, Deputy Assistant Secretary for Strategy & Policy/Cybersecurity Coordination National Protection and Programs Directorate, DHS; Lt. Gen. Robert J. Elder, USAF (Ret.), AOC Past President and Former Commander, 8th Air Force, Air Combat Command, Barksdale Air Force Base, and Joint Functional Component Commander for Space and Global Strike, USSTRATCOM; and Col. Bryant Glando, USA, Chief, J35, Regional Division, USCYBERCOM. AOC President, Maj. Gen. Ken Israel, USAF (Ret.), Former Assistant Deputy Undersecretary of Defense for Airborne Reconnaissance and Director of the Defense Airborne



*Congressional Medal of Honor Recipient Maj. Gen. James E. Livingston, USMC (Ret.), welcomes 'Old Crows' to Patriots Point.*

Reconnaissance Office, wrapped up the conference on Real Time Spectrum Operations and International AOC President's Perspectives.

SSC Atlantic's Intelligence, Surveillance and Reconnaissance (ISR) Technical Warrant Holder Joe Luker presented Special Programs and the capabilities that exist within the SSC Atlantic/industry team.

Congressional Medal of Honor Recipient Maj. Gen. James E. Livingston, USMC (Ret.), welcomed attendees at Patriots Point aboard the ex-USS Yorktown reception benefiting the Wounded Warrior Project. In appreciation, the Palmetto Roost donated \$1,000 to the Medal of Honor Museum Foundation.

Military, government and contractor personnel at all SPAWAR locations are invited to attend AOC meetings near their sites. Meetings in the Charleston area are held the fourth Thursday of each month. Additional details can be found on their website: <http://www.palmettoroost.org/>.





Photos by Joe Bullinger



## *IEEE members tour SSC Atlantic sites*

*Members of the South Carolina Council of the Institute of Electrical and Electronics Engineers (IEEE) pay a visit to the Electromagnetic Interference/Electromagnetic Compatibility (EMI/EMC) laboratory and anechoic chamber during a recent visit to SSC Atlantic during which they learned how the center gives warfighters information dominance. EMI/EMC Lab Manager Wayne Lutzen, pictured above at right, showed the visitors how SSC Atlantic employees perform tests on racks, mobile transit case systems and other components to ensure they will not interfere with colocated electronic systems. IEEE is the world's largest association of technical professionals with more than 400,000 technology and engineering professional members in chapters around the world. Its objectives are the educational and technical advancement of electrical and electronic engineering, telecommunications, computer engineering and allied disciplines.*

# Getting his rock star on

*This SSC Atlantic employee couldn't wait for Halloween, the perfect opportunity to combine his love for heavy metal and the Carolina Gamecocks all at the same time. This Heavy Metal God-wannabe has been playing guitar since 1984 and is also into blues and general rock 'n roll. He owns six guitars, bass, drums, sound system and recording system, and he built a music room in his home several years ago. When not rocking 'n rolling, he enjoys home improvement projects, muscle cars and of course ... Gamecocks football! Would you recognize this 6.0 mover and shaker without the wig, nose ring, tat sleeve and painted fingernails? If so, go to The Chronicle blog at <https://blog.spawar.navy.mil/chronicle/> and tell us what you think.*



Photo by Joe Bullinger

## Check out *The Chronicle* online; send in your story

What's happening in your world that you'd like to see in *The Chronicle*? The power of your experiences is even greater when you take the time to share them! We look forward to reading about the great work you are doing as part of the SSC Atlantic team.

If you have a story or story idea that you'd like to see published here, send it to [susan.piedfort@navy.mil](mailto:susan.piedfort@navy.mil) or call the editor anytime at (843) 218-4973, DSN 588-4973.

*The Chronicle* is accessible on the Internet on SPAWAR's official U.S. Navy website at <http://www>.

[public.navy.mil/spawar/Atlantic/Press/Pages/default.aspx](http://public.navy.mil/spawar/Atlantic/Press/Pages/default.aspx). Check out *The Chronicle* on the Intranet at <https://blog.spawar.navy.mil/chronicle/>.

Check out SSC Atlantic news on Facebook, Twitter, Flickr and YouTube. If you wish to become a SPAWAR

Facebook fan, visit <http://www.facebook.com/spaceandnavalwarfaresystemscommand>.

See us on Twitter <http://twitter.com/SPAWARHQ>, YouTube [www.youtube.com/teamspawar](http://www.youtube.com/teamspawar) and Flickr [www.flickr.com/teamspawar](http://www.flickr.com/teamspawar).



# THE CHRONICLE PHOTO CONTEST

Thank you to all who submitted!

*And the winner is...*



*"The Pier"  
The Edge of America, Folly Beach SC*

*Sharon Anne Marince 2015*

The Pier at Folly Beach  
Summer 2015

Sharon Anne Marince  
Code 2243

Hit us with *your* best shot

We are now soliciting submissions from  
SSC Atlantic employees for next issue's contest.

Send your best shot to *susan.piedfort@navy.mil* or  
*joseph.bullinger@navy.mil*.

# Honoring Veterans

*SSC Atlantic Commanding Officer Capt. Scott Heller speaks at a Veterans Day gathering in Summerville Nov. 11. Veterans from World War II to present, representing the American Legion, Veterans of Foreign Wars, Disabled American Veterans, United States Submarine Veterans and the Knights of Columbus, were among those honored.*

*Photo by Joe Bullinger*

