

# 12<sup>TH</sup> ANNUAL SCIENCE & ENGINEERING TECHNOLOGY CONFERENCE / DOD TECH EXPOSITION

## Linking the DoD S&T Program to the DoD S&T Priorities

## CONFERENCE Agenda

## EXHIBITOR PROFILES

ATTENDEE ROSTER





Event #1720 June 21 – 23, 2011 Charleston Convention Center

North Charleston, SC



### INTRODUCTION

### LOCATION

Charleston Convention Center 5055 International Boulevard North Charleston, SC 29418

### ATTIRE

Appropriate dress for the conference is business coat & tie for civilians and Class A uniform or uniform of the day for military personnel.

### **ID BADGES**

During conference registration, each Attendee will be issued an identification badge. Please be prepared to present a valid picture ID. Badges must be worn at all conference functions.

### **CLASSIFIED SESSION**

Registered NDIA S&ET Conference Attendees are invited by OASD(R&E) and SPAWAR to attend a Classified Session held off-site. Classified Session Attendees must hold a Secret Level Clearance Classification and must have submitted and verified their clearance acceptance with the SPAWAR security office by Friday, June 10, 2011.

### PROCEEDINGS

Proceedings will be available on the web through the Defense Technical Information Center (DTIC) two weeks after the conference. All registered Attendees will receive an email notification once the proceedings are available.

### **ADVERTISING**

Advertise in *National Defense* magazine and increase your organization's exposure. *National Defense* will be distributed to Attendees of this event, as well as other NDIA events. For more information, contact Dino Pignotti, NDIA, at (703) 247-2541 or dpignotti@ndia.org.

### CONTACTS

Ms. Mary Anna Christiansen Meeting Planner, NDIA (703) 247-2596 or mchristiansen@ndia.org

Ms. Alden Davidson, CEM Associate Director of Exhibits, NDIA (703) 247-2582 or adavidson@ndia.org

### 12<sup>TH</sup> Annual S&ET Conference / DoD Tech Exposition June 21 - 23, 2011 Charleston Convention Center North Charleston, SC

Linking the DoD S&T Program to the DoD S&T Priorities

The 12th Annual S&ET Conference / DoD Tech Exposition will occur on June 21 - 23, 2011, at the Charleston Convention Center, North Charleston, SC. This year's conference is dedicated to the memory of Dr. A. Louis Medin, the founding Chairman of the NDIA S&ET Division.

The 2010 Quadrennial Defense Review (QDR) identified the need for the DoD to "rebalance its policy, doctrine, and capabilities to better support 6 key missions." Success in the QDR's key mission areas is dependent on the development, integration, and timely deployment of critical core capabilities. These capabilities must align to the dynamic threat environment, evolving mission architectures, and are enabled by critical investments in science and technology.

The ASD(R&E), with the support of the Services, Agencies and Joint Staff, led studies to identify the core capabilities and enabling technologies for each of the six QDR key mission areas. These studies were completed and identified near and long-term technology investments that will be required to contribute to success in these mission areas. The DoD Science & Technology (S&T) Executive Committee considered the results of these studies, along with Service S&T priorities, and the recommendations of DoD S&T Communities of Interest and DoD Technology Focus Teams, to develop a list of 7 DoD S&T Priorities. These 7 DoD S&T Priorities were documented in a memorandum signed by the Secretary of Defense on April 19, 2011. In this memorandum, the Secretary directed that implementation roadmaps be developed for each S&T Priority to coordinate the Department's "investments in the priority areas to accelerate the development and delivery of capabilities consistent with these priorities."

Speakers from the DoD will present background information, a status update, and the technology challenges associated with each of the 7 S&T Priorities, plus technology investments the Services are making to achieve success in each of the 7 S&T Priority areas. Briefers will highlight opportunities for industry collaboration with Services and Agencies and identify technology areas in which industry may want to consider making independent (IR&D) investments. Speakers will be available in the "Speakers Corner" after each session. The conference will again, this year feature poster paper sessions with authors available for discussion and interaction on emerging concepts and technology. There will also be opportunities for industry and academia to present ideas to Service representatives in One-On-One Sessions. Sign-up sheets will be available at the Conference Registration Desk. The DoD Speakers will also be available to discuss new business opportunities.

#### **S&ET Division Chair:**

Mr. James Chew, Director, Advanced Technologies & Concepts, L-3 Communications

#### **S&ET Division Vice Chair:**

Dr. Jocelyn Seng, Research Staff, Institute for Defense Analyses, (Brigadier General, USAFR)

#### S&ET Division Secretary:

Mr. Michael Liggett, Director Technology Programs, Raytheon Company

#### S&ET Conference Co-Chairs:

Mr. Robert W. Baker, Deputy Director, Plans & Programs, OASD(R&E)

Dr. Preston W. "Chip" Grounds, Director Electronics, Sensors, & Networks Research Division, Office of Naval Research

Mr. Chris Miller, Executive Director SES, SPAWAR

#### **TUESDAY, JUNE 21, 2011**

7:00 AM – 6:30 PM	<b>Conference Registration</b> Ballroom A	me Re
7:00 AM - 8:00 AM	Continental Breakfast	Yo
	Ballroom A & B Foyer	at
8:00 AM – 8:15 AM	<ul> <li>Welcome Remarks</li> <li>General Session - Ballroom A &amp; B</li> <li>Major General Barry D. Bates, USA (Ret),</li> <li>Vice President of Operations, National Defense Industrial Association</li> <li>Mr. James Chew, Director, Advanced Technologies &amp; Concepts, L-3 Communications;</li> <li>S&amp;ET Division Chair</li> </ul>	Re firs on On Au Co
8:15 AM – 9:15 AM	<b>Keynote Address</b> <i>General Session - Ballroom A &amp; B</i> The Honorable Zachary J. Lemnios, Assistant Secretary of Defense for Research & Engineering	En De Co &
9:15 AM – 12:15 PM	<ul> <li>FY 2012 President's Budget Request and Opportunities for Collaboration Session General Session - Ballroom A &amp; B</li> <li>In this session, we will present the Fiscal Year 2012 President's Budget Request for the DoD S&amp;T program. Specific programs that provide conference Attendees opportunities to engage in collaborative efforts with the DoD S&amp;T community will also be highlighted. Presentations will provide information on technology areas of high interest to the DoD, time lines, and points of contact for the submission of proposals. Opportunities for both industry and academia will be covered. A wide range of programs, from the larger technology demonstrations funded by the Joint Capability Technology Demonstration program, that lead to the evaluation of military utility of advanced technology by a Combatant Commander; to the more focused technology development efforts that are funded by the Test &amp; Evaluation/Science &amp; Technology (T&amp;E/S&amp;T) program will be covered. Opportunities for proposing commercial off-the-shelf technology to meet current military needs will be addressed by "The Rapid Fielding Directorate's Portfolio of Opportunities" presentations by poster paper Authors, highlighting the topics of poster papers that will be on display.</li> <li>Dr. Raj K. Aggarwal, Managing Director, Advanced Research &amp; Technology, College of Engineering, Iowa State University</li> <li>Mr. Michael Liggett, Director Technology</li> </ul>	<ul> <li>▶ Ree See Tee</li> <li>▶ Tee</li> <li>▶ of</li> <li>▶ of</li> <li>▶ Tr:</li> <li>▶ Ree</li> <li>▶ Tr:</li> <li>▶ Ree</li> <li>▶ Tr:</li> <li>▶ Tr:</li> <li>▶ CH</li> <li>○ Of</li> <li>of</li> <li>Tee</li> <li>▶ Tr:</li> <li>▶ CH</li> <li>○ Of</li> <li>of</li> <li>♥ Tr:</li> <li>▶ CH</li> <li>○ Of</li> <li>of</li> <li>♥ Tr:</li> <li>▶ CH</li> <li>○ Of</li> <li>♥ Of</li></ul>

### ONE-ON-ONE SESSIONS

There will be the opportunity to meet with a USA, USN or USAF Representative in One-On-One Sessions. You may sign-up for your private, 15 minute One-On-One Session on-site at the Conference Registration Desk. Reservations will be on a first-come, first-served basis, and will be limited to one session with each Service.

## ONE-ON-ONE REPRESENTATIVES Army:

Mr. Thomas Haduch, Chief, Cross Command Integration, Programs & Engineering U.S. Army Research, Development and Engineering Command

Ms. Lucy Priddy, Engineer Research
 & Deveoplpment Center, CoE

▶ Mr. Jeff Singleton, Director for Basic Research, Office of the Deputy Assistant Secretary of the U.S. Army Research & Technology

#### Navy:

▶ Mr. Craig Hughes, Deputy Director of Innovation, Office of Naval Research

▶ Dr. Joseph Lawrence, Director of Transition, Office of Naval Research

► Dr. Kam Ng, Deputy Director of Research, Office of Naval Research

▶ Mr. Bob Smith, Director, Technology Transition Initiatives, Office of Naval Research

Mr. Eric Wilson, Deputy Director of Transition, Office of Naval Research Air Force:

▶ Mr. Chris Clay, Deputy Division Chief, Science and Technology Division, Office of the Deputy Assistant Secretary of the U.S. Air Force for Science, Technology, and Engineering

### **SPEAKER DONATION**

In lieu of Speaker Gifts, a donation has been made to the Wounded Warrior Project. For additional information, please visit: www.woundedwarriorproject.org

### **SURVEY**

A survey will be e-mailed to you after the event. NDIA would appreciate your time in completing the survey to help make our event even more successful in the future.

### **TUESDAY, JUNE 21**

	CONFERENCE AGENDA
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	<b>FY 2012 President's Budget Request for DoD S&amp;T Program</b> Mr. Robert W. Baker, Deputy Director, Plans & Programs, OASD(R&E)
	<b>Networking Break</b> Exhibit Hall - Exhibition Hall A
	<b>DoD Basic Research Program with a Focus on Academia</b> Dr. Randy Avent, Chief Scientist, Basic Science Office, OASD(R&E)
	<b>Rapid Fielding Directorate's Portfolio of Opportunities</b> Mr. Earl Wyatt, Deputy Assistant Secretary of Defense, Rapid Fielding, OASD(R&E)
	<b>The DoD T&amp;E/S&amp;T Program</b> Mr. George Rumford, T&E/S&T Program Manager, Defense Test Resource Management Center
	<b>Poster Paper Author Presentations</b> General Session - Ballroom A & B

- 12:15 PM 1:15 PM **Networking Buffet Lunch** Exhibit Hall - Exhibition Hall A
- 1:15 PM 2:15 PM **DARPA Session** General Session - Ballroom A & B Chair: Dr. Kenneth Potocki, former Program Manager, Johns Hopkins University, Applied Physics Laboratory

**DARPA Science & Technology Program** Dr. Kaigham (Ken) J. Gabriel, Deputy Director, Defense Advanced Research Projects Agency

#### 2:15 PM - 5:00 PM **DoD Science & Technology Priorities Session**

#### General Session - Ballroom A & B

The ASD(R&E), with the support of the Services, Agencies and Joint Staff, led studies to identify the core capabilities and enabling technologies for each of the 6 QDR key mission areas. These studies were completed and identified near and long-term technology investments that will be required to contribute to success in these mission areas. The DoD Science & Technology (S&T) Executive Committee considered the results of these studies, along with Service S&T priorities, and the recommendations of DoD S&T Communities of Interest and DoD Technology Focus Teams, to develop a list of 7 DoD S&T Priorities. These 7 DoD S&T Priorities were documented in a memorandum signed by the Secretary of Defense on April 19, 2011. In this memorandum, the Secretary directed that implementation roadmaps be developed for each S&T Priority to coordinate the Department's investments in these priority areas. In this session, team leaders responsible for developing the implementation roadmaps will provide an update on the background, status, and the identification of the technology challenges associated with 4 of the 7 DoD S&T Priorities. The remaining 3 DoD S&T Priorities (Cyber Science and Technology, Counter Weapons of Mass Destruction, and Electronic Warfare/Electronic Protection) will be presented in the Classified Session on Thursday afternoon. **Co-Chairs:** 

Dr. Jim Wasson, Vice President, Business Development, Bennett Aerospace Dr. Al Emondi, Deputy Chief Technology Officer, SPAWAR, Atlantic

2:15 PM – 2:30 PM	Process Used to Develop the DoD Science & Technology Priorities
	Mr. Robert W. Baker, Deputy Director, Plans & Programs, OASD(R&E)



9:15 AM - 9:45 AM

9:45 AM - 10:15 AM

10:15 AM - 10:45 AM

10:45 AM - 11:15 AM

11:15 AM - 11:45 AM

11:45 AM - 12:15 PM

### **TUESDAY, JUNE 21, 2011**

2:30 PM – 2:45 PM	<b>A Message to Industry</b> Ms. Matice Wright, Principal Director, Manufacturing and Industrial Base Policy, OUSD(AT&L)
2:45 PM – 3:15 PM	<b>Data to Decisions</b> Dr. Randy Avent, Chief Scientist, Basic Science Office, OASD(R&E)
3:15 PM – 3:45 PM	<b>Networking Break</b> <i>Exhibit Hall - Exhibition Hall A</i>
3:45 PM – 4:15 PM	<b>Autonomy</b> Dr. Bobby Junker, Head, C4ISR Department, Office of Naval Research
4:15 PM – 4:45 PM	<b>Human Systems</b> Dr. John F. Tangney, Director, Human & Bioengineered Systems Division, Office of Naval Research
4:45 PM – 5:15 PM	<b>Engineered Resilient Systems</b> Dr. Randy Avent, Chief Scientist, Basic Science Office, OASD(R&E)
5:15 PM – 6:30 PM	<b>Networking Reception (Hosted Wine and Beer)</b> <i>Exhibit Hall - Exhibition Hall A</i>

### WEDNESDAY, JUNE 22, 2011

7:00 AM – 5:00 PM	<b>Conference Registration</b> Ballroom A & Foyer
7:00 AM – 7:55 AM	<b>Continental Breakfast</b> Ballroom A & B Foyer
7:55 AM – 8:00 AM	<b>Opening Remarks</b> <i>General Session - Ballroom A &amp; B</i> Mr. James Chew, Director, Advanced Technologies & Concepts, L-3 Communications; S&ET Division Chair
8:00 AM – 5:00PM	Services Sessions General Session - Ballroom $A \notin B$ The Military Departments play a major role in the planning and execution of the DoD S&T program. The Services provide the stable long-term part of the program, focused on their Services' responsibilities. The Service S&T communities are also constantly looking for opportunities to achieve revolutionary breakthroughs; however, they must also maintain a range of core competencies while also supporting the acquisition and logistics systems that produce and maintain military equipment. Each Service has a vision of future capabilities required to support the core competencies they are uniquely responsible for maintaining. In this session, Army, Navy, and Air Force Representatives will provide overviews of their S&T programs. They will also present on priority S&T programs in their portfolios that provide enabling technologies for core capabilities and support the DoD S&T Priorities.
8:00 AM – 10:00 AM	<ul> <li>Army Science &amp; Technology Program Session</li> <li>Co-Chairs:</li> <li>Dr. Walter F. (Rick) Morrison, Principal, Booz Allen Hamilton</li> <li>Mr. Jeff Singleton, Director for Basic Research, Office of the Deputy Assistant Secretary of the Army (Research &amp; Technology)</li> </ul>
8:00 AM – 9:00 AM	<b>Providing Technology Enabled Capabilities</b> Mr. Jeff Singleton, Director for Basic Research, Office of the Deputy Assistant Secretary of the Army (Research & Technology)



#### **MRAP INTEGRATION** WEDNESDAY, JUNE 22, 2011 <u>Acility tour</u> During the conference, there will be an 9:00 AM - 9:45 AM **Providing Soldiers Strategic Technology Enablers** optional MRAP Integration Facility Tour. Dr. David Pittman, Director of the Geotechnical and The tour will take place on Wednesday, Structures Laboratory, U.S. Army Engineer Research June 22 from 10:00 AM until 12:00 PM. & Development Center, U.S. Army Corps of The tour will walk through the MRAP Engineers Integration Facility with storyboards describing their processes and success 9:45 AM - 10:00 AM **Question and Answer Session** stories. There are 50 vehicles in the facility Moderator: Dr. Walter F. (Rick) Morrison, Principal, for integration of electronic systems. To attend the tour, one must have already Booz Allen Hamilton submitted a visit request. If you submitted Dr. Marilyn M. Freeman, Deputy Assistant a visit request for the Classified Session, Secretary of the Army (Research & Technology) you do not need to send another visit Dr. David Pittman, Director of the Geotechnical request. Tour attendance will be awarded and Structures Laboratory, U.S. Army Engineer on a first-come, first-served basis. To sign-Research & Development Center, U.S. Army Corps up, please see the Conference Registration of Engineers Desk. 10:00 AM - 12:00 PM MRAP Integration Facility Tour\* The Tour is limited to the first 50 (Optional MRAP Tour) Off-site Location (See left column for details) Attendees who sign-up at the Conference **Registration Desk Networking Break** 10:00 AM – 10:30 AM Prior submittal of visit request Exhibit Hall - Exhibition Hall A required to participate Transportation will be provided 10:30 AM - 12:30 PM The Naval Science & Technology Program Session General Session - Ballroom A & B WEDNESDAY, JUNE 22, 2011 **Co-Chairs:** 10:00 AM Mr. Dennis L. Ryan, III, Science & Depart Charleston Convention Center; Technology Planning Director, Johns Hopkins En route to MRAP Integration Facility University, Applied Physics Laboratory Dr. Joseph Lawrence, III, Director of Transition, 10:30 AM Office of Naval Research MRAP Integration Facility Tour Mr. E. Terrence Dailey, Director for Transition, Carnegie Mellon University, Software Engineering 11:30 AM Institute Depart MRAP Integration Facility; En route to Charleston Convention 10:30 AM - 11:15 AM Overview of Naval Science, Technology, and Center Engineering QUESTIONS Dr. Joseph Lawrence, III, Director of Transition, Please contact Mr. James Polk at: Office of Naval Researc james.polk@navy.mil or (843)218-5699 with questions or concerns regarding the 11:15 AM - 12:30 PM Discussion on Navy and Marine Corps Technology MRAP Integration Facility Tour. Needs Moderator: Dr. Joseph Lawrence, III, Director of Transition, Office of Naval Research Mr. Rob Wolborsky, Chief Technology Officer (CTO), SPAWAR Mr. Michael Bosworth, Acting Chief Technology Officer, Naval Sea Systems Command Ms. Rebecca Ahne, Deputy Chief Technology Officer, Naval Aviation Enterprise Mr. James H. Smerchansky, Deputy Commander Systems Engineering, Interoperability, Architectures, EXCITING STUDENTS FOSTERING INNOVATION ENSURING NATIONAL SECURITY & Technology, Marine Corps Systems Command INVESTING IN THE FUTURE

12:30 PM – 1:30 PM

Science | Technology | Engineering | Mathematics

Networking Buffet Lunch

Exhibit Hall - Exhibition Hall A

### WEDNESDAY, JUNE 22, 2011

1:30 PM – 5:00 PM	<b>Air Force Science &amp; Technology Program Session</b> General Session - Ballroom A ヴ B <b>Co-Chairs:</b>
	<ul> <li>Mr. Michael C. Dudzik, Vice President, Science &amp; Technology, Lockheed Martin</li> <li>Mr. Chris Clay, Deputy Division Chief, Science &amp; Technology Division, Office of the Deputy Assistant Secretary of the U.S. Air Force for Science, Technology, and Engineering</li> </ul>
1:30 PM – 2:15 PM	<b>Overview of Air Force Science, Technology, and Engineering</b> Colonel Mark Koch, USAF, Associate Deputy Assistant Secretary of the Air Force (Science, Technology & Engineering)
2:15 PM – 2:45 PM	High Velocity Penetrating Weapon (HVPW) Mr. Ron Taylor, Munitions Directorate, U.S. Air Force Research Laboratory
2:45 PM – 3:30 PM	<b>Networking Break - Last Chance to Observe Exhibits and Poster Papers</b> <i>Exhibit Hall - Exhibition Hall A</i>
3:30 PM – 4:00 PM	<b>Responsive Reusable Booster for Space Access</b> Mr. Bruce Thieman, Air Vehicles Directorate, U.S. Air Force Research Laboratory
4:00 PM – 4:30 PM	<b>Precision Airdrop</b> Dr. Keith Bowman, Air Vehicles Directorate, U.S. Air Force Research Laboratory
4:30 PM – 5:00 PM	<b>IR&amp;D Linkage to Service Core Functions</b> Dr. James Malas, Plans & Programs Directorate, U.S. Air Force Research Laboratory
5:00 PM	Adjourn for the Day

### THURSDAY, JUNE 23, 2011

7:00 AM – 12:00 PM	<b>Conference Registration</b> Ballroom A & Foyer
7:00 AM – 7:55 AM	<b>Continental Breakfast</b> Ballroom A & Foyer
7:55 AM – 8:00 AM	<b>Opening Remarks</b> <i>General Session - Ballroom A ざ B</i> Mr. James Chew, Director, Advanced Technologies & Concepts, L-3 Communications; S&ET Division Chair
8:00 AM – 12:00 PM	Capabilities Needed by the Combatant Commanders SessionGeneral Session - Ballroom A & BMeeting the capability needs of the warfighter is the most important goal of the DoD Science & Technology program. Establishing strong communications between the warfighter and the researcher is essential for understanding these capability needs. Warfighters traditionally communicate their needs in terms of capability gaps. The DoD S&T community must be able to address those gaps in S&T projects and demonstrate how enabling technology can effectively fill these capability gaps. In this session, representatives of U.S. Combatant Commanders will describe what new operational capabilities would make a big difference in their ability to conduct military operations in their areas of responsibility.Co-Chairs:Mr. James Chew, Director, Advanced Technologies & Concepts, L-3 Communications

Dr. Joseph Lawrence, III, Director of Transition, Office of Naval Research



### THURSDAY, JUNE 23, 2011

8:00 AM – 8:20 AM	<b>How Capabilities are Developed and Delivered to the Combatant Commanders</b> Mr. Robert W. Baker, Deputy Director, Plans & Programs, OASD(R&E)	
8:20 AM – 8:40 AM	<b>USCENTCOM</b> Mr. Eric A. Follstad, Chief, Transformation & Concept Development, USCENTCOM	
8:40 AM – 9:00 AM	<b>USSOCOM</b> Ms. Lisa Sanders, Deputy Director Science & Technology, USSOCOM	
9:00 AM – 9:20 AM	<b>USPACOM</b> Mr. Ken Bruner, Science Advisor, USPACOM	
9:20 AM – 9:40 AM	<b>USSOUTHCOM</b> Mr. Ricky Stuart, Technology Manager, USSOUTHCOM	
9:40 AM – 10:00 AM	Networking Break Ballroom A	
10:00 AM – 10:20 AM	<b>USTRANSCOM</b> Mr. Lou Bernstein, Chief, Future Capabilities & Technology, USTRANSCOM	
10:20 AM – 10:40 AM	<b>USSTRATCOM</b> Mr. Dave Tyner, Science & Technology Advisor, USSTRATCOM	
10:40 AM – 11:00 AM	<b>USAFRICOM</b> Mr. Mike Owens, Science & Technology Advisor, USAFRICOM	
11:00 AM – 11:20 AM	<b>USNORTHCOM</b> Dr. Susanne Wirwille, Director, Science & Technology, NORAD and USNORTHCOM	
11:20 AM – 11:40 AM	<b>USEUCOM</b> Mr. Stephen L. Spehn, Deputy Science Advisor, USEUCOM	
11:40 AM – 12:00 PM	<ul> <li>Best Poster Winner Announcement and Closing Remarks</li> <li>▶ Mr. James Chew, Director, Advanced Technologies &amp; Concepts, L-3 Communications; S&amp;ET Division Chair</li> <li>▶ Mr. Michael Liggett, Director Technology Programs, Raytheon Company</li> </ul>	
12:00 PM	Conference Adjourned and Boxed Lunch Served	

### **Classified Session Badge Pick-Up Desk Hours**

DO NOT FORGET TO PICK-UP YOUR CLASSIFIED SESSION BADGE! ALL CLASSIFIED SESSION ATTENDEES MUST HAVE A CONFERENCE BADGE, A CLASSIFIED BADGE AND A VALID PHOTO ID TO ATTEND THE SESSION.

TUESDAY, JUNE 21, 2011	WEDNESDAY, JUNE 22, 2011
7:00 AM – 8:00 AM	7:00 AM - 8:00 AM
9:45 AM – 10:15 AM	10:00 AM – 10:30 AM
2:45 PM – 3:30 PM	3:30 PM – 4:00 PM

**THURSDAY, JUNE 23, 2011** 7:00 AM – 8:00 AM 9:30 AM – 10:10 AM 12:10 PM – 12:45 PM **CLASSIFIED SESSION AGENDA** 

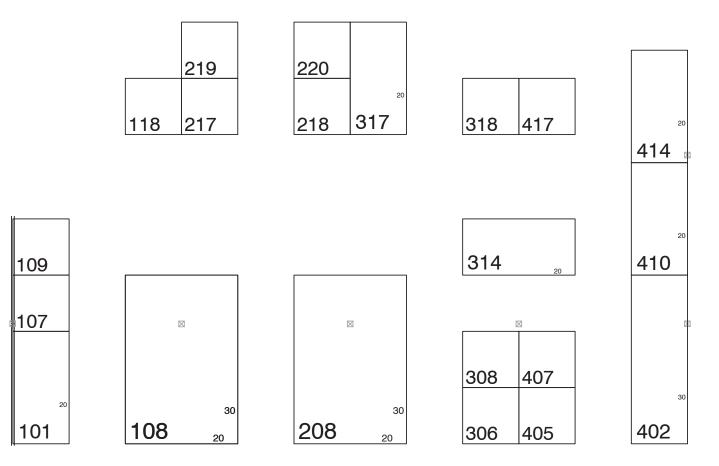
General Session - Ballroom A & B

### THURSDAY, JUNE 23, 2011

1:00 PM – 5:15 PM	<ul> <li>Classified Session         Off-site Location: SPAWAR's facility on Base             Registered NDIA S&amp;ET Conference Attendees are invited by OASD(R&amp;E) and SPAWAR to             attend a Classified Session held off-site. Classified Session Attendees must hold a Secret Level             Classification and must have previously submitted and verified their clearance acceptance with             the SPAWAR security office by Friday, June 10, 2011. Classified Session Attendees must have a             valid ID and a Classified Issued Badge to attend this Session.      </li> <li>Co-Chairs:         <ul> <li>Dr. Al Emondi, Deputy Chief Technology Officer, SPAWAR, Atlantic</li> <li>Mr. James Chew, Director, Advanced Technologies &amp; Concepts, L-3 Communications;             S&amp;ET Division Chair</li> </ul> </li> </ul>
1:00 PM – 1:30 PM	Classified Session Attendees Proceed to Off-Site Location Bus Transportation to the Classified Session Provided; WILL START AT 1:00 PM SHARP Front Drive
1:30 PM – 2:00 PM	<b>Operate Effectively in Cyberspace</b> Dr. Steven King, Deputy Director for Cyber Security Technology, OASD(R&E)
2:00 PM – 2:30 PM	<b>Counter Weapons of Mass Destruction (WMD)</b> Dr. Carol Kuntz, Senior Advisor, Office of the Assistant Secretary of Defense for Nuclear, Chemical and Biological Defense Programs
2:30 PM – 3:00 PM	<b>Electronic Warfare/Electronic Protection</b> Dr. Peter Craig, Electronic Warfare Program Manager, Office of Naval Research
3:00 PM – 3:15 PM	Networking Break (Refreshments not provided)
3:15 PM – 3:35 PM	<b>USSTRATCOM</b> Mr. Dave Tyner, Science & Technology Advisor, USSTRATCOM
3:35 PM – 3:55 PM	<b>USSOCOM</b> Ms. Lisa Sanders, Deputy Director Science & Technology, USSOCOM
3:55 PM – 4:15 PM	<b>USCENTCOM</b> Mr. Eric A. Follstad, Chief, Transformation & Concept Development, USCENTCOM
4:15 PM – 4:35 PM	<b>USPACOM</b> Mr. Ken Bruner, Science Advisor, USPACOM
4:35 PM – 4:55 PM	<b>USNORTHCOM</b> Dr. Susanne Wirwille, Director, Science & Technology, NORAD and USNORTHCOM
4:55 PM – 5:15 PM	<b>USSOUTHCOM</b> Mr. Ricky Stuart, Technology Manager, USSOUTHCOM
5:15 PM	Classified Session Adjourned and Return Bus Service



## **EXHIBIT HALL FLOOR PLAN**



### **EXHIBITING AS**

EXHIBITING AS	<b>BOOTH NUMBER</b>
Aeros Aeronautical Systems	218
Aurora Flight Sciences	317
Bennett Aerospace, Inc.	220
Biometrics Identity Management Agency	107
Center for Organic Photonics and Electronics	109
Dassault Systemes Americas Corp.	306
Defense Microelectronics Activity-DMEA	217
DHS Science & Technology Directorate	318
Edgewood Chemical Biological Center	414
Global Staffing and Consulting, LLC	405
L-3 Communications - Interstate Electronics Corp.	219
NDIA - STEM	108
Scientific Research Corporation	314
Space and Naval Warfare Systems Center Atlantic	101
Test Resource Management Center	407
Torrey Pines Logic	308
U.S. Air Force Research Lab	208
U.S. Army Corp of Engineers, ERDC	417
U.S. Army RDECOM ARDEC	410
U.S. Army RDECOM ARL	402

### (As of 6/09/2011)

### **EXHIBITOR PROFILES**

#### Booth # - 218

#### Aeros Aeronautical Systems

Aeros is the world's leading lighter-than-air, FAA-certified aircraft manufacturing company. The company's operations involve the research, development, production, operation and marketing of a complete family of Aeros-branded air vehicles used in government and commercial applications. These include non-rigid FAA Type Certified Aeros 40D Sky Dragon Airships, Advanced Tethered Aerostatic Systems and New Type Rigid Air Vehicle - Aeroscraft.

### Booth # - 317

Aurora Flight Sciences

As a leader in the unmanned aircraft systems technology for over 20 years, Aurora Flight Sciences is engaged in the design, development, production, and support of unmanned aircraft. Aurora works closely with academia, the Service laboratories, DARPA, and NASA to demonstrate innovative solutions for our warfighter. As an example, the 5-day endurance Orion UAS was selected for the CENTCOM sponsored MAGIC JCTD in August 2010.

#### Booth # - 220

Bennett Aerospace, Inc.

Bennett Aerospace is a small business and a high-end, highly technical, engineering and development company based in Cary, North Carolina. The company's core capabilities are in: •Optics and Lasers: Holographic Visualization; Tunable Lasers; Fiber Lasers •Sensor and Instrumentation Development: Lidar Systems; Phased Array Radar •Space Hardware: Communications; Navigation; Strategic Assessments •Robotics: System Design and Build; Shipboard Robotics •Communications: System and Component Design; Terrestrial and Space •Materials and Manufacturing: Additive Manufacturing; Nano-Scale High-Strength Fiber; Advanced Materials; Nano-scale Piezoelectrics

#### Booth # - 107

#### **Biometrics Identity Management Agency**

The Biometrics Identity Management Agency (BIMA) leads Department of Defense activities to program, integrate, and synchronize biometric technologies and capabilities. BIMA collaborates with stakeholders and the biometric community to lead in the development of biometric capabilities that empower the warfighter.

#### Booth # - 109

**Center for Organic Photonics and Electronics** 

The Georgia Tech Center for Organic Photonics and Electronics (COPE) is a leading research and educational resource center that creates flexible organic photonic and electronic materials and devices that serve the information technology, telecommunications, energy, and defense sectors.

#### Booth # - 306

Dassault Systemes Americas Corp.

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes develops and markets PLM application software and services that support the defense industry's industrial processes and provide a 3D vision of the entire lifecycle of products. Solutions include: Integrated product design, realistic simulation, virtual production, global collaborative innovation and 3D lifelike experience.

#### Booth # - 217

Defense Microelectronics Activity-DMEA

DMEA is a vital national asset as the joint DoD Center for microelectronics acquisition, adaptive operations and support--advancing future microelectronics research, development, technologies and applications to achieve the DoD's strategic and national security objectives.

Booth # - 318 DHS Science and Technology Directorate

DHS Science and Technology Directorate's mission is to provide our customers, DHS operating components, and their customers who secure our borders, ports and skies, with advanced capabilities to protect and serve the public. The S&T Directorate manages an integrated research and development program that enables technology for a safer nation.

#### **Booth # - 414**

Edgewood Chemical Biological Center

The U.S. Army Edgewood Chemical Biological Center is the nation's principal R&D resource for non-medical chemical biological defense. ECBC supports all phases of the acquisition lifecycle from basic and applied research through technology development, engineering design, equipment evaluation, product support, sustainment, field operations and demilitarization to address unique customer requirements.

#### Booth # - 405

Global Staffing and Consulting, LLC

GSAC, Global Staffing and Consulting, LLC, services clients in government and commercial organizations with contract, permanent and consulting professionals and executives. GSAC's areas of expertise include: Accounting, Aerospace, Audit, Capture, Compliance, Contracts, Government Relations, Engineering, Financial, Healthcare, Information Technology, Legal, Logistics, Proposals, Capture, and Procurement professionals.. Visit GSAC at www.gsacgroup. com or call 301-760-6802. Bethesda, MD & Washington, DC



### **EXHIBITOR PROFILES**

#### Booth # - 219

#### L-3 Communications - Interstate Electronics Corp.

L-3's Precision Engagement Sector consists of the following divisions; Interstate Electronics Corporation, Fusing and Ordnance Systems, Unmanned Systems and Airborne Technologies, Inc. These businesses provide a broad range of products, including components, subsystems and systems, to military and commercial customers. Offerings include Unmanned Aircraft, Guidance & Navigation, Command& Control, Situational Awareness, Fuzing and Ordnance, and Systems Integration.

#### Booth # - 108 NDIA - STEM

NDIA's Science, Technology, Engineering and Mathematics (STEM) Workforce Division provides a forum for effective interaction between government, industry, academia, and the public at large for the strengthening of the national security STEM workforce. The Broad goals of the Division are to •Increase NDIA's participation in exciting and attracting K-12 students into STEM careers. •Maximize cooperation between federal departments, agencies, and industry on STEM workforce development initiatives. •Support the development of integrated polices around the STEM workforce. •Establish partnerships to collect and disseminate information and coordinate resources to build a robust STEM workforce of the future.

#### Booth # - 314

#### Scientific Research Corporation

The T&E/S&T Program continues to develop test technologies for transition into future test capabilities that will verify and support to optimization of the warfighting performance of our most advanced warfighting systems. These systems include advanced propulsion systems, directed energy weapons, multispectral sensors, net-centric systems, and unmanned systems.

#### Booth # - 101

#### Space and Naval Warfare Systems Center Atlantic

SPAWAR Systems Center Atlantic is a Department of the Navy engineering laboratory focused on rapidly developing and delivering secure, integrated and innovative solutions for our naval, joint, national and coalition warfighters. Aligned with the CNO's vision of adding cyber power to the already proven arsenal of sea and air power, SPAWAR Systems Center Atlantic provides end-users with a critical edge, elevating Information Dominance as a core warfighting capability.

#### Booth # - 407

#### Test Resource Management Center

The T&E/S&T Program continues to develop test technologies for transition into future test capabilities that will verify and support to optimization of the warfighting performance of our most advanced warfighting systems. These systems include advanced propulsion systems, directed energy weapons, multispectral sensors, net-centric systems, and unmanned systems.

Booth # - 308 Torrey Pines Logic

Torrey Pines Logic provides research, design, development and custom solutions using visible and IR sensors, lasers, image processing and analysis, wireless and IR-based communications, computer graphics and video. (As of 6/09/2011)

#### Booth # - 208 U.S. Air Force Research Lab

AFRL displays the latest Air Force technologies in directed energy, human systems, information management, materials and manufacturing, munitions, propulsion, sensors, air vehicles, space vehicles, and basic research. AFRL executes the Air Force's entire science and technology budget. We partner with government, industry and academia to accomplish this mission.

#### Booth # - 417

U.S. Army Corp of Engineers, ERDC

The U.S. Army Engineer Research and Development Center (ERDC) is one of the most diverse engineering and scientific research organizations in the world. The ERDC conducts R&D in support of the Soldier, military installations, and the Corps of Engineers civil works mission, as well as for other federal agencies, state and municipal authorities, and with U.S. industry through innovative work agreements. ERDC's unique research capabilities and facilities have earned it distinction as the "Army Large Research Laboratory of the Year" for 10 of the last 19 years. As the world's premier engineering and environmental sciences organization, ERDC's cutting-edge technology is solving problems that others are not attempting to tackle in an effort to make our world safer and better.

#### Booth # - 402 U.S. Army RDECOM ARL

The U.S. Army Research, Development and Engineering Command (RDECOM) is the Army's technology leader and largest technology developer. RDECOM ensures the dominance of Army capabilities by creating, integrating and delivering technology-enabled solutions to our Soldiers. To meet this commitment to the Army, RDECOM develops technologies in its eight major laboratories and research, development and engineering centers. The U.S. Army Research Laboratory is the Army's corporate, or central, laboratory. Its diverse assortment of unique facilities and its workforce of government engineers and scientists comprise the largest source of world class integrated research and analysis in the Army. ARL's programs consist of basic and applied research and survivability/lethality analysis. One of the centers, the Armaments Research, Development & Engineering Center has the mission to develop and maintain a world-class workforce to execute and manage integrated life cycle engineering processes required for the research, development, production, field support and demilitarization of munitions, weapons, fire control and associated items.

#### Booth # - 410 U.S. Army RDECOM ARDEC

ARDEC is an internationally acknowledged hub for the advancement of armaments technology and engineering innovation. Our mission is to develop, maintain, execute and manage integrated life cycle engineering processes required for the research, development, production, field support and demilitarization of munitions, weapons, fire control and associated items.

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