

NO COST TO ATTEND FOR ACTIVE MILITARY OR FEDERAL GOVERNMENT PERSONNEL!

2ND ANNUAL

June 22-24, 2016 • Augusta, Georgia



# CYBER SECURITY FOR DEFENSE

MILITARY STRENGTH THROUGH EFFECTIVE CYBER OPERATIONS

## FEATURED SPEAKERS:



LT. GEN. EDWARD C. CARDON  
Commander  
**U.S. Army Cyber Command and Second Army**



LIEUTENANT GENERAL (RETIRED) RHETT HERNANDEZ  
Former Commanding General, US Army Cyber Command  
**USMA Cyber Chair, Advisory Board Chair**



BRIGADIER GENERAL DAVID T. ISAACSON  
Deputy Commanding General NETCOM  
**U.S. Army**



BRIGADIER GENERAL LORETTA E. REYNOLDS  
Commander, Marine Forces Cyber Command  
**U.S. Marine Corps**

## DEVELOPING THE NEXT GENERATION OF CYBER CAPABILITIES

**NEW!**

Walk Away with Knowledge about **Cyber Security Cooperation Initiatives** with the Private Sector

**NEW!**

Hear First Hand about the Challenges of **Defending the DoD Information Network**

**NEW!**

Join in depth conversation about the utilization of the Cyber Domain to **Protect Acquisition Efforts**

**NEW!**

Explore the **Priorities of the Major DoD Cyber Commands** and What it Means for You

**NEW!**

Understand the Role of Cyber in the Military and how it is **Reshaping the Military**

**NEW!**

Develop an Understanding of the **Joint Cyber Operating Environment**

**NEW!**

Participate in our **Advanced Cyber Warfare Focus Day**

**NEW!**

Learn about Effective Methods of **Predicting and Preventing Power Grid Cyber Attacks**

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# CYBER SECURITY FOR DEFENSE

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Dear Colleague,

After an incredibly successful inaugural year, I am pleased to welcome back our flagship cyber event, Cyber Security for Defense. Last year's event hosted over 200 attendees and a variety of extraordinary speakers. This year's event is a continuation of last year's conversation while simultaneously discussing the newest topics of the day.

Over the course of the last year, the cyber domain has only become more complicated. With the recent attacks on Sony and the Office of Personnel Management, it has never been more apparent that Cyber must be at the forefront of the conversation as we move into realization of the Force of the Future.

Join us as we explore the next generation of Cyber Defenses in our Advanced Cyber Warfare Day, followed by two extraordinary days of information packed content on the newest acquisition projections, evolving challenges of cyber and network commands, and more.

Come and be apart of the future of Cyber Security. The only thing missing is you!

Brian Wharton  
Executive Director  
Institute for Defense and Government Advancement

*P.S. Register Now for Our 3-Day All Access Pass and Participate in our Exclusive Cyber Team Training Workshop!*

### Did you know...

*Cyber Security is an integral part of the Third Offset Strategy - with an estimated \$309 Million forecasted in the NDAA FY17.*

### ORGANIZATIONS EXPECTED TO ATTEND



USCYBERCOM plans, coordinates, integrates, synchronizes and conducts activities to: direct the operations and defense of specified Department of Defense information networks and; prepare to, and when directed, conduct full spectrum military cyberspace operations in order to enable actions in all domains, ensure US/Allied freedom of action in cyberspace and deny the same to our adversaries.



Army Cyber Command's mission is to plan, coordinate, integrate, synchronize, direct, and conduct network operations and defense of all Army networks. When directed, Second Army will conduct cyberspace operations in support of full spectrum operations to ensure U.S. and allied freedom of action in cyberspace, and to deny the same to adversaries.



The mission of Fleet Cyber Command is to serve as central operational authority for networks, cryptologic/signals intelligence, information operations, cyber, electronic warfare, and space capabilities in support of forces afloat and ashore.



The 24th Air Force's mission is to operate, extend, and defend the Air Force Information Network, defend key mission systems, and provide full spectrum cyberspace capabilities for the joint warfighter in, through, and from cyberspace.



MARFORCYBER's mission is to conduct full spectrum Cyberspace Operations; to include operating and defending the Marine Corps Enterprise Network (MCEN).

CHAT ONE ON ONE WITH OUR SPEAKERS AT THE NEW BRILLIANCE BAR!

Find out more on page 6



# HEAR WHAT PREVIOUS ATTENDEES THINK!



“The speakers are all outstanding.”  
- R. Damen (Raytheon Company)



“Excellent speakers & good reach to user community.”  
- I. Linkov (US Army Engineer Research and Development Center)



“I am very pleased with the information presented. I will definitely participate in future events.”  
- H. Rodriguez (USACPB)



“The event provided useful information at a high level. Provided a great overview of where we are, where we are going, and promoted talk on how to get there”  
- S. Yelverton (USACPB)



“Great speakers, excellent topics, and balanced representation (Gov/Mil/Contractors).”  
- R. Fodor (Leidos)



“Excellent networking opportunity and knowledge sharing.”  
- I. Tate (USACPB, US Army)



## PREVIOUS ATTENDEES INCLUDED:

### Military Representatives/ Organizations

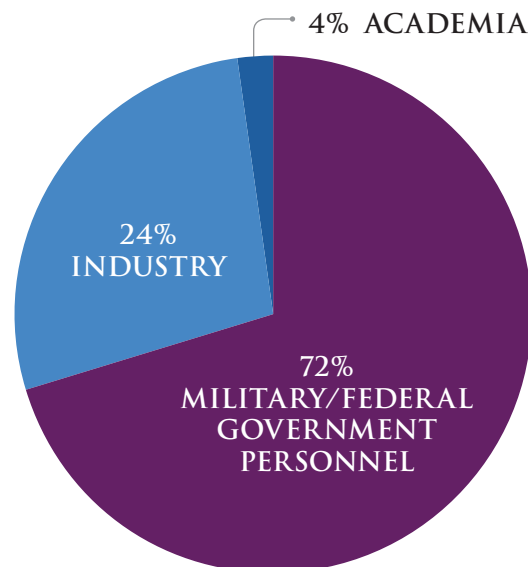
- 24th Air Force
- 513th MI INSCOM
- Army Cyber Command
- Army CDID
- Army Cyber Protection Brigade
- Department of Justice
- Department of Defense
- Fort Gordon Cyber School
- National Security Agency
- N3S- Surface Operations
- Department of Navy

- TCM Cyber
- U.S. Intelligence Agency
- Army Cyber Battle Lab
- DISA
- FBI
- Georgia Army National Guard
- TACOM
- U.S. Navy SPAWAR
- U.S. House of Representatives
- USSCOM JRU, SOC-JC

### Industry Organizations

- Northrop Grumman

- SABRE
- ANRC
- Booz Allen Hamilton
- Endgame
- IBM
- Intel
- Huntley Technologies
- Leidos
- Lockheed Martin
- Lunarline
- Oracle
- Raytheon



# HOW CAN YOU MEET YOUR MARKETING AND BUSINESS DEVELOPMENT OBJECTIVES AT CYBER SECURITY FOR DEFENSE?

## NETWORKING

Ensure that you have the opportunity to engage with the key decision makers within your industry. We can create a platform for you to effectively interact with your top customers and prospects in the environment of your choice. This can range from formalized private meetings / workshops right through to less structured networking events such as sponsored drinks receptions, coffee breaks or lunches. Ultimately whatever you decide is the right forum; we will support you in your quest to advance relationships with the key people who can influence the future of your business.

## BRANDING

Your company can be elevated to a position where they are seen as a market leader. In a fiercely competitive market you need to ensure that your brand is differentiated from the competition. Failure to create a clear identity will see your organization fade into the background. We ensure that we do everything we can to effectively lift your brand before, during and after the event. Not only do we create a fully integrated marketing campaign, which your company can be part of, but we also offer high impact premium branding opportunities for example on bags, water bottles, pens lanyards etc.

## THOUGHT LEADERSHIP

If you think that you should be viewed as a true industry leader then your need to demonstrate your market knowledge and expertise through a thought leadership opportunity, such as speaking or chairing. This is a highly unique opportunity for your company to educate the market, and as long as you are credible enough to fit into a high level event program, we can position your organization alongside top customers and prospects in our speaker faculty. As part of this speaker faculty your company will be set apart from other industry attendees giving you the competitive edge required to make further strides in the market.



**JOIN THE CONVERSATION BY CONTACTING:**

**Chris Ritchie**  
Sponsorship Director  
P: 212-885-2799 • E: [sponsorship@idga.org](mailto:sponsorship@idga.org)

*Did you know...  
Since 2014, all IDGA Conference Directors have recent Military Experience.*

### WHAT CYBER SECURITY FOR DEFENSE 2015 DELIVERED:



**150+**  
Attendees



**4+ Hours**  
Reserved For  
Networking



**15+ Hours**  
of Informational  
Content

### WHAT CYBER SECURITY FOR DEFENSE 2016 WILL DELIVER:



**200+**  
Attendees



**6+ Hours**  
Reserved For  
Networking



**17+ Hours**  
of Informational  
Content

# ADVANCED CYBER WARFARE FOCUS DAY

Wednesday, June 22, 2016

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## 0845 Registration

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## 0915 Chairperson Welcome and Opening Remarks

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## 09:30 WORKSHOP A: Exploiting COTS Products and Applications While Safeguarding Against Malware

Far too often has the DoD come across a mobile application or new product that has a tremendous amount of appeal, only to find out that it has malicious code within the system aimed at circumventing the intense security protocols that the military employees.

In this session, we will discuss:

- Timely and Robust Identification of Malicious Code in new Applications
- Utilizing COTS Applications in New DoD Cyber Acquisitions
- Proper, Automated Tools to Deliver Secure Cyber Security

Presented by: 

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## 1030 Morning Refreshment Break

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## 1045 WORKSHOP B: Delivering Superior Digital Forensics and Cyber Forensics to the DoD

As the operational hub for the DIB Cybersecurity Program, DCISE assists DIB companies to safeguard DoD content and intellectual property residing on or transiting their unclassified networks. DCISE develops and shares actionable threat products, and performs cyber analysis, diagnostics, and remediation consults for DIB Partners.

In this session we will discuss:

- Mission of the Defense Cyber Crime Center and How it Helps the Industrial Base and the DoD
- Overview of the Various Programs Under DC3
- Way Forward of the Organization



**Steven D. Shirley**  
Executive Director  
**Defense Cyber Crime Center**

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## 1145 Lunch

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## 1300 WORKSHOP C: Train as You Fight: A Team Based Learning Approach to Cyber Security Training

Too often individualized training leads to a team with a couple of rock stars and a lot of bench warmers. How do you ensure your trainees are ready to come together to function as a team and handle any threat that comes their way? Join us for this 4 hour workshop, cyber security training modules and collaborative capstone exercise.

### Phase One – Overview of Team Based Cyber Security Training

- Team Based Learning Principles
- Testing and Skills Validation
- Refresher Training
- Peer Feedback
- Functional Team Evaluation

### Phase Two – Participants will Attend One of Four Training Modules

- Traffic Obfuscation Techniques
  - Learn to Identify Types of Packet Encoding
  - Employ Tools to Decode and Interpret Data

- Extracting Malicious Payloads
  - Finding embedded Payloads in Network Traffic
  - Carving Payloads
  - Tools for Payload Analysis
- HTTP Header and Flow Analysis
  - Mapping a Basic HTTP Session
  - Identifying Hosts and Users through Header Fields
  - Attributing requests to users
- Target Attribution
  - Employing Open Source tools to Identify sources of Traffic
  - Geo Location using IP addresses

### Phase Three – Capstone Exercise

Working in teams, participants will use their newly acquired skills to complete a cyber challenge.

Training Led By:  **ANRC**

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## 1700 Chairperson Closing Remarks

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## 1715 End of Advanced Cyber Warfare Focus Day

# MAIN CONFERENCE DAY ONE

Thursday, June 23, 2016

## 0800 Registration & Coffee

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### 0845 Chairperson's Welcome and Opening Remarks



**Todd Adkins**  
Director, Advanced Cyber Solutions  
Cyber Division  
**Northrop Grumman Information Systems**

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### 0900 Reshaping the Military into the "Force of the Future"

- Envisioning the Warfighter of the Future
- Developing Strategies to Combat Tomorrows Conflicts
- Integrating the Cyber Domain into the Current Fighting Force




**Lieutenant General (Retired) Rhett Hernandez**  
Former Commanding General  
US Army Cyber Command  
**USMA Cyber Chair, Advisory Board Chair**

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### 0945 Comprehensive Attack Intelligence

- Protecting the Network Through Continuous Monitoring and Analysis
- Understanding the evolving role of attack intelligence
- Structuring Your Network Posture According to the Threat Analysis

Presented By: 

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### 1030 Demo Drive and Networking Break

During our Integrative Demo Drive, each attendee will be placed in a small group and given the opportunity to rotate through our exhibit hall. Join us and discover the best way to meet each of our exclusive sponsors and find out what they can do for you!

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### 11:15 PANEL: Future of DoD Cyber Security

- Driving Innovation Through Warfighter Feedback
- Understanding the Complexity of the Cyber Landscape
- Looking Towards the Future of Cyber Defense

Moderated By:

**Rick Howard**  
CSO

**Palo Alto Networks** 

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### 1200 Networking Luncheon

Discuss some of the topics covered in the morning sessions while simultaneously networking with other attendees. All while enjoying a good meal!

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### 1300 "How To Catch A Russian Spy" – A Story of an American Double Agent

The fascinating story of a young American amateur who helped the FBI bust a Russian spy in New York—named the Funniest Book of the Year by The Washington Post, sold in ten countries, and to be a major motion picture for 20th Century Fox.

For three nerve-wracking years, Naveed Jamali spied on America for the Russians, trading thumb drives of sensitive technical data for envelopes of cash, selling out his own beloved country across noisy restaurant tables and in quiet parking lots. Or so the Russians believed. In fact, this young American civilian was a covert double

agent working with the FBI. The Cold War wasn't really over. It had just gone high-tech.



**Naveed Jamali**  
Senior National Security Fellow  
**Foreign Policy Research Institute**

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### 1330 Proactively Understanding and Mitigating Cyber Risks

- Developing a Deep Understanding of the Threat Environment
- Designing Innovative Solutions
- People, Process, and Technologies: A Holistic Cyber Security Viewpoint



**Michael Papay**  
Vice President and Chief Information Security Officer  
**Northrop Grumman**

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### 1430 Afternoon Networking Break and Brilliance Bar

During this break, pre-selected speakers will be arranged in the networking hall to answer any of your questions. Come and pick their brains!

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### 1600 Defending the DoD Information Network from Cyber Intrusions

- NETCOM's Evolving Role in Cyber Security
- Reducing Overall Cost to Mission Partners
- Resilient Networks and 100% Assured Identity of Wireless Platform Initiatives



**Brigadier General David T Isaacson**  
Deputy Commanding General  
NETCOM  
**U.S. Army**

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### 1645 NetOps with Network Automation for Cyber Defense

Network Automation improves efficiency of NetOps by providing real-time and historic network visibility and facilitates collaboration with CyberOps. It can have a dramatic impact before, during and after cyber-attacks. Network Automation allows for compliance verification and validation, on-demand monitoring through visual troubleshooting and remediation. With the increasing pace and complexity of cyber-attacks in a resource strained environment, network automation is important for maintaining a solid cyber defense.

**Richard Larkin**  
**NetBrain**



### 1730 Closing Remarks



**Todd Adkins**  
Director, Advanced Cyber Solutions  
Cyber Division  
**Northrop Grumman Information Systems**

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### 1740 End of Main Conference Day One

### 1745 Cocktail Hour

Relax after an Information Packed Day with a Drink on Us!

# MAIN CONFERENCE DAY TWO

Friday, June 24, 2016

## 0800 Registration & Coffee

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## 0830 Chairperson's Recap of Conference Day One



**Todd Adkins**  
Director, Advanced Cyber Solutions  
Cyber Division  
**Northrop Grumman Information Systems**

## 0845 The Role of Cyber Security and the Marine Corps

- The Evolving Role of the Marine Corps Cyber Command
- Ensuring Battlefield Success through secure Cyber Space
- Way Forward of the Command and its Future Mission



**Brigadier General Loretta E. Reynolds**  
Commander, Marine Forces Cyber Command  
**U.S. Marine Corps**

## 0930 Cyber Security and the Army: Digitally Protecting Our Nation's Soldiers

- Understand Cyber Operations at the Policy Level
- Integrating Common Concerns into Workable Solutions
- Identifying the Needs of the Cyber Warrior



**LT. GEN. Edward C. Cardon**  
Commander,  
**U.S. Army Cyber Command and Second Army**

## 1100 Demo Drive and Networking Break

During our Integrative Demo Drive, each attendee will be placed in a small group and given the opportunity to rotate through our exhibit hall. Join us and discover the best way to meet each of our exclusive sponsors and find out what they can do for you!

## 1100 Session Reserved for Representative from DoD CIO

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## 1145 Network Intrusion: Assuming the Worst

- Improving detection and prevention of security compromises, network attacks, and data leaks
- Best practices for implementing a proactive security posture
- An understanding of why it is important to assume your network is already hacked



**Mr. Nathan Swaim**  
President  
**ANRC, LLC**

## 1230 Networking Luncheon

Enjoy the final full meal of the event. Relax and discuss key takeaways of the event.

## 1330 Defending the Homeland and Military Forces from Disruptive and Destructive Cyber Attacks

- Building and Exercising Effective Resiliency Plans
- Mitigating Risks of Insider Threats
- Improving DoD Cyber Security Acquisitions to Ensure Mission Success



**Darryl E. Peek II** *\*Pending Final Approval*  
Cybersecurity Strategist, Federal Network Resilience  
Division, Office of Cybersecurity and Communications,  
National Protection and Programs Directorate  
**Department of Homeland Security**

## 1415 Navy Cyber: Protecting Sailors from Cyber Attacks

- Security without Compromise
- Successfully Defending the DoD From hackers, For-Profit blackhats, and Hostile Foreign Governments
- Understanding the Unique Defense Required by the DoD
- Protecting Naval Assets Overseas
- Role of Navy Cyber Within the DoD Cyber Infrastructure  
Presented by **FORTINET**

## 1500 Afternoon Networking & Refreshment Break

A final opportunity to network with other attendees. Be sure to take advantage!

## 1545 Next Generation Cyber Security Operations Centers

- Evolving the Role of CSOC's to incorporate Cyber Elements
- Streamlining Efficiencies within the CSOC to monitor Network Intrusions
- Analyzing Cyber Data and Translating into Usable Information

## 1630 Increasing Need for Cooperation within the Cyber Community

- Benefits to Cyber Cooperation throughout the DoD
- Developing Strategies to Incorporate New Technologies Across the Cyber Spectrum
- USNA Cyber Program and the Way Forward



**Captain Paul Tortora**  
Director, Center for Cyber Security Studies  
**U.S. Navy**

## 1630 Chairperson's Closing Remarks



**Todd Adkins**  
Director, Advanced Cyber Solutions  
Cyber Division  
**Northrop Grumman Information Systems**

## 1645 End of Cyber Security for Defense 2016

# PRICING & REGISTRATION

## Active U.S. Government, Military, and Law Enforcement

PACKAGE	STANDARD PRICE
2 Day Main Conference	<b>NO COST TO ALL MILITARY AND GOVERNMENT EMPLOYEES</b> All Active Federal Employees, to include Military Personnel, will be granted free admission to our event. However, in order to logistically support this event, we must require online pre-registration. Onsite registration will not be permitted and Online Registration will close on 6/15/16
Focus Day	

## Academia, Non-Profit and Foreign Military

Package	Register by & Pay 6/3/2016	Standard Price
2 Day Main Conference	\$1,195	\$1,295
3 Day All-Access Pass	\$1,695	\$1,795
Focus Day		\$595

## Vendors, Consultants, and Solution Providers

Package	Register by & Pay 6/3/2016	Standard Price
2 Day Main Conference	\$1,295	\$1,395
3 Day All-Access Pass	\$1,895	\$1,995
Focus Day		\$695

## Team Discounts

Number of Attendees	Savings
3-4	10%
5 or more	15%

SOCO ADVISORY 09-03: 7.(a) Admission fees of \$645 per day or less for all attendees are considered reasonable costs worldwide for the purposes of JER 3-211 (a)(7).

### Dress Code:

Military personnel are kindly requested to be in uniform. Appropriate attire for Industry is business casual.

### MAKE CHECKS PAYABLE TO: IDGA

A \$99 processing charge will be assessed to all registrations not accompanied by credit card payment at the time of registration.

\* CT residents or people employed in the state of CT must add 6.35% sales tax.

### Details for making payment via EFT or wire transfer:

JPMorgan Chase  
 Penton Learning Systems LLC dba IQPC: 937332641  
 ABA/Routing #: 021000021

**Reference:** Please include the name of the attendee(s) and the event number **25113.002**

**Payment Policy:** Payment is due in full at the time of registration and includes lunches and refreshments. Your registration will not be confirmed until payment is received and may be subject to cancellation.

**Please refer to [www.idga.org/cancellation](http://www.idga.org/cancellation) for cancellation, postponement and substitution policy**

**Special Dietary Needs:** If you have a dietary restriction, please contact Customer Service at 1-800-882-8684 to discuss your specific needs.

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**Email:** [idga@idga.org](mailto:idga@idga.org)

**Phone:** 1.800.882.8684

**Fax:** 646.378.6025, 24 hours a day

**Mail:** IDGA  
 535 5th Avenue, 8th Floor  
 New York, NY 10017

## Location & Lodging Information



This event will be held at the **DoubleTree by Hilton Hotel Augusta** in Augusta, GA. For booking information, visit [www.CyberSecurityforDefense.com/venue](http://www.CyberSecurityforDefense.com/venue).

## Sponsorship and Exhibition Opportunities Still Available!

For more information contact **Chris Ritchie** at 212-885-2799 or [sponsorship@idga.org](mailto:sponsorship@idga.org)

## About IDGA



The Institute for Defense & Government Advancement (IDGA) is a non-partisan information based organization dedicated to the promotion of innovative ideas in public service and defense. We bring together speaker panels comprised of military and government professionals while attracting delegates with decision-making power from military, government and defense industries.