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Whistleblowing and True Heroism

DNI James Clapper Addresses Snowden Leaks Head On

From the Edward Snowden leaks and the Boston Marathon bombings to the U.S. embassy attack in Benghazi and chemical warfare in Syria, the Intelligence Community has weathered many storms since the GEOINT 2012 Symposium.

“The past 18 months have been one of the toughest stretches for the Intelligence Community I’ve seen in the 50+ years I’ve been in the business,” said Director of National Intelligence (DNI) James R. Clapper during his keynote address Tuesday morning at the GEOINT 2013* Symposium. “It has not been a fun year for me personally, but I’m proud of how the Community responded.”

In addition to the challenges of “an assertive Russia, a competitive China, a challenging Iran, and a dangerous, unpredictable North Korea,” the Intelligence Community has overcome what Clapper calls “the four S’s—Sequestration, Snowden, Syria, and Shutdown.”

Clapper addressed the challenge of the extensive national security secrets leaked by former NSA contractor Edward Snowden head on, and for much of his keynote. Clapper also termed media coverage of the leaks as primarily “inaccurate, misleading, and incomplete in describing intelligence activities.”

Prior to the GEOINT 2013* Symposium, Clapper visited Georgetown University and the University of Georgia, where he spoke to students about what he called “the myth of Edward Snowden.”



Director of National Intelligence James R. Clapper gave the first GEOINT 2013* keynote address Tuesday morning to a crowded ballroom at the Tampa Convention Center.

“The past 18 months have been one of the toughest stretches for the Intelligence Community I’ve seen in the 50+ years I’ve been in the business.”

—James R. Clapper

➡ see Whistleblowing p. 12

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YPG LUNCH



USGIF's Young Professionals Group hosted a special lunch at the Marriott on Tuesday with Dr. Dave Warner. Warner, a neuroscientist and Ph.D., often called "Dr. Doctor Dave," shared with the young professionals stories and photos from his "Beer for Data" program in Afghanistan.

GEOINT CERTIFICATION BLUEPRINT DROP-IN SESSION

USGIF is developing a Professional GEOINT Certification for the GEOINT Community at large, to include government, academia, and industry. The USGIF GEOINT Certification blueprint will specify the knowledge and skills required for GEOINT analysts. This 2-hour session, held Wednesday from 2 to 4 p.m. in meeting rooms 24-25, is designed for you to "drop in" at your convenience and provide structured input for the blueprint. Help us ensure that the USGIF Professional GEOINT Certification accurately reflects the knowledge and skills required of a GEOINT analysis. This activity should take roughly 30 minutes of your time.

HELP THE ABI WORKING GROUP DEVELOP AN UNCLASSIFIED DATA SET

USGIF's Activity-Based Intelligence Working Group (ABIWG) seeks GEOINT 2013* attendees who are willing to opt-in for an anonymous RFID tag. Your name will not be associated with the tag and data collection will only occur in the GEOINT 2013* exhibit hall.

Visit the ABIWG table at GEOINT Symposium registration or the **GEOINT Shoothouse (Booth 1028)** in the exhibit hall to learn more and receive your tag. Upon collection, this data set will be available to USGIF Members for ABI tool development and demonstrations.

The ABIWG will also host an "ABI Walk" during the Wednesday exhibit hall reception from 4 to 6 p.m. Participants are invited to take an ABI Pillars "necklace" and visit at least five participating booths for special ABI demonstrations. Upon completion, participants may go to the YPG Lounge in the **USGIF booth (Booth 3067)** to show their necklace with five marked visits and receive a prize.

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PHOTO COURTESY OF AGI

AGI is showcasing its Systems Tool Kit at GEOINT 2013.

LEVERAGING INTEROPERABILITY WITH STK

AGI Demos the Tool Kit's Many GEOINT Applications

Analytical Graphics Inc. (AGI) (Booth 4015) is demonstrating several functions of its Systems Tool Kit (STK), a product line that provides the Intelligence Community with commercially available modeling, simulation, analysis, and visualization software. STK is used by more than 40,000 engineers, operators, and analysts worldwide to model complex systems in the mission environment.

It can be enabled across land, sea, air, and space domains, and offers a system-level framework for end-to-end spectrum analysis.

The GEOINT Community employs STK for intelligence engineering, along with collection system analysis and visualization. AGI is exhibiting the following STK features at GEOINT 2013*:

- Activity-based intelligence (ABI)
- High-fidelity collection planning for coherent change detection
- Mission planning, course of action, after-action assessment
- Common operating picture for overhead persistent infrared (OPIR)
- Tactical overwatch, planning, and analysis collaboration environment
- Electromagnetic environmental effects, RF and communications modeling in dynamic environments
- Aircraft auto-routing and acoustic detection
- Delivery of modeling, simulation, and analysis to the cloud
- Web services leveraging STK's server-based functionality

GEO-LOCATING LANDMINES

Exelis to Highlight Success of ENVI Visualization & Analysis Software

Removing land mines from remote countryside is a risky, time-consuming, and costly task, but can be much safer and easier to accomplish with the help of GEOINT technology. At GEOINT 2013*, Exelis (Booth 3035) is showcasing its ENVI imagery analysis software program, which is designed to do just that.

ENVI has been used by a variety of government and industry clients, including GeoMine, an Israel-based company dedicated to detecting landmines. By incorporating ENVI into its operations, GeoMine can visualize and analyze geospatial imagery to pinpoint suspected hazardous locations.

Hyperspectral aerial images can highlight where a landmine has leaked nitrogen into the soil. Next, GeoMine can use Esri's ArcGIS Online platform to add information extracted from the imagery and locate the landmines.

GeoMine deployed ENVI in Angola, an African country no longer at war, where it helped reduce the areas needing to be cleared of landmines by more than 90 percent. GeoMine is currently using ENVI in collaboration with various international entities and mine action authorities to locate landmines in countries such as Germany and Israel.



GeoMine uses ENVI to locate landmines.

IMAGE COURTESY OF EXELIS

FLOOR

EXHIBIT HALL HIGHLIGHTS



BAE Systems' GXP Xplorer Snap app can transform Google Glass devices, smartphones, and tablets into crowd-sourced information gathering tools.

IMAGE COURTESY OF BAE

A-to-Z Intelligence

BAE Systems Showcases End-to-End ISR Solutions

BAE Systems (Booth 6005) wants to make intelligence more intelligent. That's why the company's theme at GEOINT 2013* is "Empowering GEOINT Readiness."

"This year our focus is on the entire GEOINT lifecycle," said BAE's NGA Account Manager Craig Brower. "We'll be pulling together multiple solutions from across BAE Systems, from the sensors that collect mission-critical GEOINT data to the systems that process it and store it, all the way through to the analysts who are there to exploit it and get it to the end user."

Indeed, products and services from nearly every stage of the GEOINT lifecycle will be on display, including:

- **Data collection:** BAE Systems will showcase its Autonomous Real-Time Ground Ubiquitous Surveillance Imaging System (ARGUS), and the TeraStar system, a Big Data storage solution built to meet the needs of government and military environments, but also ideal for small to medium-sized businesses and cloud-based storage providers.
- **Data processing:** Activity-based intelligence (ABI) tools and advanced analytic capabilities will also be on display. ABI streamlines the processing and exploitation of vast valuable intelligence data being collected by the DoD and Intelligence Community every day. Learn how ABI is enabling analysts to identify suspicious patterns and better understand adversary tactics, techniques, and procedures.
- **Geospatial data exploitation:** BAE Systems' suite of Geospatial eXploitation Products (GXP) is another highlight, including GXP Xplorer, a knowledge management application that helps users

organize, locate, retrieve, and share geospatial data; GXP Xplorer Mobile; and GXP WebView, a new service that lets users access and analyze imagery using only a web browser.

- **Data analysis:** Representatives from BAE Systems' Global Analysis Tradecraft Advancement Center (GTAC) will be on hand to highlight the company's investment in analytical tradecraft, including training and education for BAE Systems' workforce and customers in areas such as full-motion video, sensor operation, mission management, and wide-area surveillance.
- **Secure dissemination of intelligence:** BAE Systems is showcasing its various cross domain solutions and its SIBA cybersecurity tool for enhanced information sharing and increased network security.

BAE Systems will also unveil at GEOINT 2013* a new mobile app that can be used with Google Glass for hands-free geospatial intelligence data collection and photo reporting from anywhere in the field. The GXP Xplorer Snap app can transform Google Glass devices, smartphones, and tablets into crowd-sourced information gathering tools capable of generating photo reports that can be shared across an organization.

Demos of the Snap app will take place at the BAE Systems booth Wednesday at 1:30 and 4 p.m.

While visiting the BAE Systems booth, be sure to scan your conference badge. For each badge BAE Systems scans, a \$5 donation will be made to the Special Operations Warrior Foundation. Last year's booth fundraising effort raised \$15,000 for the Wounded Warrior Project.

A "Puzzling" Experience

Young Professionals Host JROTC Students

Each year at the GEOINT Symposium, USGIF's Young Professionals Group (YPG) hosts a number of events and opportunities for young professionals to learn and network with Community leaders. But it has also become a YPG tradition to reach out to students in the local community.

Thursday morning, 50 Air Force Junior ROTC students from Middleton Magnet High School Pre-Collegiate Academy of STEM in Tampa will visit GEOINT 2013* to tour the exhibit hall, explore technology, and interact with vendors.

The students will also be split up into five groups representing five federal departments: Defense, State, Energy, Homeland Security, and Interior. Each group will be tasked to complete a puzzle intended to simulate an Intelligence Community challenge, such as fragmented information or often-unruly Big Data. Some puzzle pieces will be missing, and students will be provided with communications instructions, leading them to visit exhibitor booths to view demonstrations and claim puzzle pieces.

"The YPG volunteers have put in a lot of work for this year's project and we are excited about the hands-on experience the students will have," said Carrie Drake, USGIF's event operations and community relations manager. "I'd like to give a special thanks to Julie Baer for leading the development of the project, and to all of the USGIF Member organizations that have invited the students to visit their exhibits."

The puzzle exercise will be followed by a lunchtime networking reception where students will recap their exhibit hall experience and learn about careers in the Intelligence Community.

You can follow the YPG's GEOINT 2013* activities via twitter @USGIFypg or visit www.usgif.org for more information.

'THE NEXT PHASE OF INTELLIGENCE'

NGA Director Outlines Shift to Immersive Intelligence

It doesn't matter if you reside at a home in the suburbs, a farm in the country, or an apartment in the city. If you're a geospatial intelligence analyst, a warfighter, or a policymaker, there's really only one place you should live, according to National Geospatial-Intelligence Agency (NGA) Director Letitia Long: in the data.

"Whether we face an adversary, a political crisis, or a natural disaster, we must continue to drive the leading edge of GEOINT ... and deliver the next phase of intelligence: immersion," Long said Tuesday morning during her keynote address at GEOINT 2013*.

Merriam-Webster defines immersion as "complete involvement in some activity or interest."

Long, however, defines it as something much more powerful. It's not merely involvement, she said. It's influence.

"By immersion I mean living, interacting, and experimenting with the data in a multimedia, multi-sensory experience with GEOINT at its core," she continued.

Long invited the audience to imagine themselves as young analysts. Their mission: Anticipate the impact of civil unrest on an unstable country.

"As you begin your day, your automated data-mining app warns you



NGA Director Letitia Long spoke about immersion as the next phase of intelligence during her keynote address on Tuesday morning.

of anomalies in troop movements, puts video of overnight protests on screen, and notifies the rest of your team," Long said.

This sets in motion a powerful series of events. You:

- Quickly scan your queue of open-source reports and classified data;
- Join collaborators from across the IC and DoD in a virtual meeting space;
- Share and discuss with your team new content from multiple sources;
- Use advanced natural user interfaces to share content, with gestures and speech to quickly organize visuals; and
- Apply advanced analytic tools that reveal a network of extremists trying to infiltrate the protesters' camp.

"Your team anticipates that within days the extremists will try to provoke violence in what had been peaceful protests," Long explained. "Two days later your team watches a live video feed as a multinational force raids the extremists' camp and captures them."

It's a compelling vision, and Long said NGA is working diligently to make it a reality by focusing on six "pillars" of immersive intelligence:

1. An integrated intelligence picture leveraging NGA's integrated GEOINT access point, Map of the World;
2. Advanced analytic capabilities focused on object-based production;
3. Next-generation data collection that integrates advanced tipping and cueing;
4. Improved data access through the Globe, NGA's web portal providing online, on-demand access to geospatial information;
5. An open IT enterprise that eliminates technology stovepipes; and
6. Investment in research and technology, focused on three building blocks—persistence, anticipatory analysis, and immersive intelligence.

Achieving immersion won't be as easy as envisioning it, Long acknowledged. By collaborating, however, she asserted that government and industry can overcome technological, structural, and financial challenges in order to realize GEOINT's full potential.

"Only together can we maximize our strengths," she concluded. "Only together can we turn our great ideas into great results. And only together can we see what our adversaries cannot, know what we should know, and act first." ■

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Please visit location #3009 in the GEOINT expo hall this week to see demonstrations of how Google's enterprise products are helping the defense, intelligence and homeland security communities meet their mission goals.

Presentation schedule

Wednesday,	11:30 - noon	Off the grid: maps for disconnected users
April 16	1:00 - 1:15pm	Providing online and offline content with Google Maps Engine
	2:00 - 2:15pm	Geospatial at Google scale
	3:00 - 3:30pm	Google Glass demo
	4:00 - 4:15pm	Customer spotlight: providing rich geospatial visualization for the IC
Thursday,	1:00 - 1:15pm	Real-time resource management for law enforcement
April 17	2:00 - 2:15pm	New from Google: high-quality, low-cost imagery
	3:00 - 3:15pm	Off the grid: maps for disconnected users
	4:00 - 4:15pm	Geospatial at Google scale



NGA ANALYST HONORED WITH LT. MICHAEL P. MURPHY AWARD

The 2013 Lt. Michael P. Murphy Award in Geospatial Intelligence was presented to Bryan Goltry, an analyst at the National Geospatial-Intelligence Agency (NGA), immediately following NGA Director Letitia Long's keynote address. Long and USGIF CEO Keith Masback presented the award.

Goltry is a geospatial analyst with NGA's Analysis Directorate, and recently completed Penn State's master's degree program in homeland security with a GEOINT focus. Goltry began his GEOINT career with Earth Satellite Corp., where he assisted with NGA's Geo-Cover project. He then served as an imagery analyst at NGA from 2002 to 2006. In 2006, he worked in the private sector with 3001 Inc. as a program manager providing imagery and geospatial analysis services to customers in the Intelligence and Defense Communities. Goltry received his bachelor's degree in geo-

graphic sciences with concentrations in GIS, global studies, and environmental studies from James Madison University.

"The Murphy award committee felt that Bryan's independent studies made an exceptional contribution to understanding the principle dimensions of the geospatial intelligence profession," said Dr. Todd Bacastow, professor of practice for geospatial intelligence at Penn State.

The Murphy Award is named for Navy SEAL Lt. Michael P. Murphy, a distinguished Penn State alumnus. Murphy was killed June 28, 2005, by enemy forces during a reconnaissance mission in Afghanistan. Murphy was posthumously awarded the Medal of Honor, and he and his comrades were recently featured in the "Lone Survivor" film. The generosity of USGIF, the DigitalGlobe Foundation, and faculty, staff, and friends of Penn State fund the Murphy Award.



NGA Analyst Bryan Goltry received the 2013 Lt. Michael P. Murphy Award in Geospatial Intelligence Tuesday morning.

"Goltry's contributions to NGA and his tradecraft continue the high standards established by the Murphy Award," said Mark Brender, executive director of the DigitalGlobe Foundation. "We congratulate him for his excellent work and passion for his industry." ■

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AGE OF CONTEXT

Co-Authors Discuss Wearable Technology, the New Digital Divide, and What Crosses the “Freaky Line”

With a dose of humor and sarcasm, co-authors Robert Scoble and Shel Israel took the stage Tuesday at the GEOINT 2013* Symposium to talk about evolving global and technological trends.

The duo’s latest book, *Age of Context: Mobile, Sensors, Data and the Future of Privacy*, explores new technologies that can predict what users want even before they do—and what that means for our lifestyles, businesses, and privacy. After studying innovators around the world, Scoble, startup liaison for open cloud computing company Rackspace, and Israel, CEO of SI Associates and a columnist for Forbes.com, gave the audience a peek into the future.

Many location-based technologies are becoming mainstream, Scoble said. Even more so as the number of sensors on and around us increases exponentially, and the cost of the technologies radically decreases.

This means two things:

“You’re getting highly personal products. ... And businesses are studying their customers in much more detail,” he said. “Any time you see exponential rises in something, you see businesses build up.”

Wearable technology such as Google Glass (which Scoble wore during the presentation) allows the user to see his or her own stock prices and tweets, for instance.

Beyond Google Glass, similar products are popping up: the Oakley ski goggle, which integrates GPS and Bluetooth; and Epiphany Eye-wear’s smart glasses, home to a mobile computer with storage space and an HD video camera.

As data becomes more precise, largely driven by the smartphone industry pressuring developers for constant new technologies and products, businesses are merging personal and location data.

Tap-n-Go, for example, is an app invented by a former Israeli surveillance officer and used by students to buy everything from lattes to textbooks.

“What it’s really doing is surveilling you,” Scoble said.

After about a week, the app will gather enough data and “learn” from it to ask the user whether she wants her 9 a.m. latte.

Scoble said in this “always-surveilled world,” he’s seeing a new digital divide regarding technology: “Those who are all in, or all out”—the latter being those who are paying cash for everything and not using a smartphone.

“I’m an all-in guy,” he said, adding that putting data into his mobile device and giving away his privacy gives him considerable utility and radically improves his life.

Israel countered that he is more conservative on this spectrum.

“We should have the ability to turn the [darn] things off,” he said to a round of applause. He pointed out that if someone wears a Fitbit exercise and sleep tracker to bed, the device not only knows when you’re sleeping, but also who you’re with—if that person also has a cell phone in the room.



Co-authors Robert Scoble and Shel Israel provided a joint keynote presentation on emerging trends in location-based technology Tuesday morning.

“We know that police can subpoena [smartphones], but can divorce lawyers?” he posed.

Scoble told the audience he purchased a \$1,300 drone last weekend, which he can program to take a particular flight path and capture certain photos. Israel said he considers Scoble’s purchase as crossing the “freaky line,” which he describes as the point that begins to make people uncomfortable with technology.

“That could be my neighbor’s drone over my hot tub.”

Overall, the duo provided the GEOINT 2013* audience with an entertaining and informative glimpse into the latest in commercial location-based technologies, which often provide much inspiration for defense and intelligence needs. ■

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PREPARING FOR A POPULOUS FUTURE

DIA Director Emphasizes Integration and Training

As far as the Defense Intelligence Agency's (DIA) priorities go, Europe and Eurasia maintained a low priority status—until recently.

“At the time, well over a year ago, we said we would make that our last priority,” DIA Director Lt. Gen. Michael Flynn said Tuesday during his keynote address at GEOINT 2013*. “Europe, Eurasia, and Eastern Europe weren’t all that hot.”

“The [DIA’s Europe/Eurasia Center was] stood up just after Christmas this past year, and they’ve been going 24/7 since about the first of January because, all of a sudden, the world changed,” Flynn said.

It’s an example of the agility required to defend a nation.

Flynn outlined the catalysts for change, including a world population that has grown from 2.2 billion in 1950 to an expected 10 billion by 2050, with India expected to surpass China as the world’s most populous country.

That population growth will fuel an emphasis on urbanization, meaning more than 500 cities will soon have populations topping one million individuals. Resources will be stressed to the extent that the DIA predicts water could be a cause for war in the future.

“We’ve got a pretty nice deal in this country, and it’s based on a strong defense.”

— Lt. Gen. Michael Flynn

“Is crisis the new normal?” Flynn asked rhetorically.

Today, the Intelligence Community is expected to predict change soon enough to allow governments to react, rather than be taken by surprise. To achieve this goal, Flynn outlined three areas of emphasis: integration, innovation, and investment.

“Integration is the watchword for the Intelligence Community,” Flynn said, echoing earlier speakers that included Director of National Intelligence James Clapper and National Geospatial-Intelligence Agency Director Letitia Long. “This particular capability will be the foundation for everything we do.”

Innovation at DIA includes the agency’s “Needipedia” effort, which was stood up two months ago to provide industry—particularly small businesses—with an arena to share ideas under a new mantra: “start small, scale fast, fail cheap,” and a time to market goal of six to nine months.

Since then, the DIA has received 170 white papers via Needipedia.

“About 60 to 70 companies that entered Needipedia have never worked with government before,” Flynn said.



DIA Director Lt. Gen. Michael Flynn discussed the agility required to defend the nation, and his concern about the growing global population’s strain on resources during his keynote address Tuesday morning.

This response indicates a need to link small business ideas with larger business capabilities in order to sustain those ideas and see them into fruition.

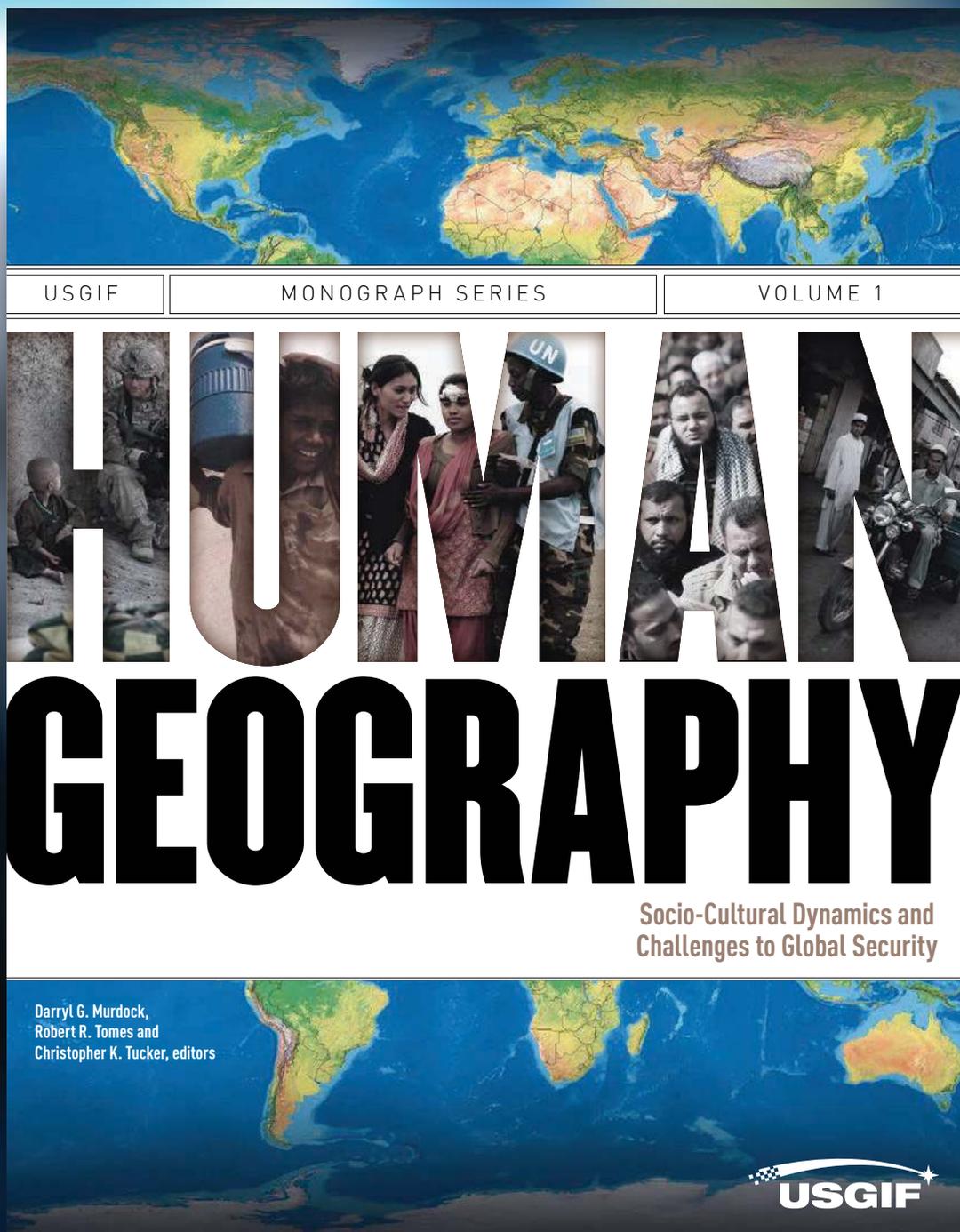
Flynn also stressed investment in people at DIA, with about \$150-200 million a year spent primarily on training. In the past year, the agency trained more than 160,000 DoD and federal interagency personnel on site in Washington, D.C., or virtually.

The DIA is moving toward using satellite locations for its training effort, Flynn said, establishing an Academy for Defense Intelligence in Tampa to train the roughly 2,000 personnel stationed there.

At stake in all of this is the nation’s future.

“We’ve got a pretty nice deal in this country, and it’s based on a strong defense,” Flynn concluded. ■

USGIF Releases Human Geography Monograph



The monograph features a collection of articles from thought leaders and leading human geography practitioners around the globe.

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WHISTLEBLOWING CONTINUED

“Darby makes a great role model, and I wouldn’t mind seeing an admissions essay on him. . . . We need more people with the courage and integrity of Joe Darby in our Intelligence Community.”

—James R. Clapper

He noted that Snowden has been widely referenced in college admissions essays that answer the question, “Who is your personal hero?”

“The idea that young people see Edward Snowden as a hero really bothers me,” explained Clapper. “I understand young people see Snowden as a courageous whistleblower standing up to authority. However, [true] whistleblowing takes an incredible amount of courage and integrity.”

Clapper countered the popular opinion that Snowden is a hero by citing former U.S. Army Reservist Sgt. Joe Darby as a true role model. Darby was stationed at the Abu Ghraib prison in Iraq in 2003, and

turned a CD over to the U.S. Army Criminal Investigation Command upon discovering graphic images of guards abusing prisoners. Darby received backlash including many threats, but to this day says he does not regret the decision.

“Darby makes a great role model, and I wouldn’t mind seeing an admissions essay on him. . . . We need more people with the courage and integrity of Joe Darby in our Intelligence Community,” added Clapper.

Clapper further explained there is a sharp contrast between Darby and Snowden. Snowden stole documents and leaked them to the international media rather than reporting his concerns to the proper authorities, said Clapper. Snowden could have reported civil liberties privacy concerns to NSA seniors or investigators, the DNI Civil Liberties and Privacy Office, the Department of Justice, or Congress as alternatives, Clapper said.

However, Clapper said Snowden’s leaked documents extend far beyond civil liberties.

“What Snowden has stolen and exposed has gone way beyond professed concerns with the protection of privacy rights,” Clapper said. “He stole and leaked secrets about how we protect U.S. businesses from cyber threats and how we support U.S. troops in warzones—putting American lives at risk. . . . We are beginning to see changes in the communications behavior of adversaries and most disturbingly terrorists, which I anticipate to continue. As a consequence, our nation is less safe and our people less secure.”

Ultimately, the Snowden leaks did lead to a new transparency paradigm. Last summer, Clapper made the decision to declassify 2,000 pages of documents. He described it as a painful decision, but one that was necessary to address misconceptions and reassure American citizens.

Clapper also gave a nod to the future, continuing to hail the Intelligence Community Information Technology Enterprise (IC ITE) as critical to the increasingly necessary task of intelligence integration. He also stated that he intends to remain in his role as DNI throughout the Obama administration to ensure that IC ITE “sticks.”

Going forward, Clapper said GEOINT will be critical in mitigating new threats emerging from the Ukraine–Russia conflict, and that geo-spatial data will continue to provide more anticipatory capabilities.

Clapper concluded his speech by thanking the GEOINT Community for its dedication and hard work throughout the last decade.

“I’m proud of how far the Community has come and where it will go,” Clapper said. ■



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UNIFYING THE GEOINT COMMUNITY

NGA Describes GEOINT R&D Involvement

Dr. Becky Aiken, research and development executive, InnoVision, National Geospatial-Intelligence Agency (NGA) led a presentation Monday afternoon during GEOINT Foreword to share the goals NGA has set forth to connect the GEOINT Community even further.

“There’s a lot going on in the GEOINT Community regarding research and development (R&D) and science and technology (S&T)—it’s just exploding these days,” said Aiken.

NGA, in addition to many other agencies, are working on furthering collaboration efforts to share R&D information.

“No one organization can create the full solution for the future,” said Aiken. “The future of GEOINT really relies on us unifying, and partnerships are really key.”



Dr. Becky Aiken, research and development executive, InnoVision, NGA, spoke about “Unifying the GEOINT Research Community” Monday afternoon during GEOINT Foreword.

She describes many initiatives the agency has integrated including Geolynx, a social network-like platform located on NGA’s Joint Worldwide Intelligence Communications System (JWICS). Launched in December 2013, it holds 4,000 links to provide users with ways to ask questions and connect with others in the Community.

NGA has also coordinated the National System for Geospatial-Intelligence (NSG) R&D Forum (NRF) and the GEOINT R&D GRAND Subcommittee. Both events provide venues to share information and advance R&D across the board, Aiken said. Participants range from academia to chief scientists who discuss an array of topics such as Activity-Based Intelligence, underwater mapping, and more. Both of these initiatives are catalysts for linking the Community

“It’s a way to gather the voice of community and speak as one,” said Aiken.

“No one organization can create the full solution for the future, The future of GEOINT really relies on us unifying, and partnerships are really key.”

—Dr. Becky Aiken

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TRAINING SNAPSHOT

This year, the GEOINT Symposium offers more than 30 hours of dedicated professional development with certificates of attendance. Trainings are held each afternoon from 2 to 4 p.m. Here is a preview of today's sessions:

Introduction to GMTI Analysis: A Course for Analysts and Operations Officers

Room 18

This course provides an overview of Ground Moving Target Intelligence (GMTI) systems and analysis, focusing on recent revolutions in GMTI analytic tradecraft and support to operations. The course is presented by recently deployed experts with experience using a revolutionary sensor and analysis/exploitation solutions.

The Geographic Approach and Spatial Literacy Workshop Explore and understand your abilities to think spatially. This facilitated workshop will consist of a series of problem scenarios from many different organizations and applications. You will be challenged to think outside of your normal work environment and explore challenging problems from health, law enforcement, market analysis, site selection, defense, intelligence, ecology, natural resources, planning, logistics, and more.

The Geographic Approach and Spatial Literacy Workshop

Room 19

Explore and understand your abilities to think spatially. This facilitated workshop will consist of a series of problem scenarios from many different organizations and applications. You will be challenged to think outside of your normal work environment and explore challenging problems from health, law enforcement, market analysis, site selection, defense, intelligence, ecology, natural resources, planning, logistics, and more.

Mobile GEOINT Tradecraft

Room 20

The unique aspects of mobile GEOINT pose significant challenges to solutions providers as well as end-users. This will be a hands-on working session and attendees are encouraged to bring their own device (iOS or Android) and pose questions, discuss stubborn problems, and experiment with example use-cases.

Commercial SAR Training

Room 21

Learn the basics of Synthetic Aperture Radar (SAR) imaging and see why commercial spaceborne SAR can guarantee collection of open, shareable GEOINT products anywhere in the world.

Counter-Elicitation/Predictive Threat Analysis & Insider Threat Detection

Room 22-23

Predictive threat analysis and counter-elicitation training provide an initial framework for the warfighter to predict and confirm competitor behavior. The emphasis of this training is to focus on Green on Blue incidents using a proven methodology that establishes a baseline with specific criteria used for establishing threat patterns. Insider threat training will provide an underpinning component of the force protection training similar to that used for advisor teams in forward deployed areas.

The *GEOINT 2013* Show Daily* is brought to you by *trajectory*, the official publication of the United States Geospatial Intelligence Foundation (USGIF).

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The advertisement features a vibrant, colorful 3D topographic map of a mountain range. A white coffee cup with a smiling face and the 'WorldDEM' logo is shown floating above the terrain. To the left, a vertical strip contains four small images: a 3D elevation model, a grayscale SAR image, a grayscale optical image, and a grayscale SAR image with overlaid features.

Join us for a smooth cappuccino or invigorating espresso to find out more about Airbus Defense and Space's state-of-the-art products and services at **GEO café #1058**





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4. Quick Response Capabilities
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0800-0830

USGIF AWARDS PROGRAM PRESENTATIONS

Tampa Convention Center Ballroom A-C

Kevin G. Jackson, Chair, USGIF Awards Subcommittee

0830-0840

SPECIAL WELCOME: BOB BUCKHORN, MAYOR, CITY OF TAMPA

Tampa Convention Center Ballroom A-C

0840-0845

MASTER OF CEREMONIES: JIM SCIUTTO, CNN

Tampa Convention Center Ballroom A-C

0845-0930

KEYNOTE: GEN LLOYD J. AUSTIN III, U.S. ARMY, COMMANDER, U.S. CENTRAL COMMAND, (CENTCOM)

Tampa Convention Center Ballroom A-C

0930-1030

PANEL: D12E: A BRIDGE BETWEEN JIE AND IC ITE

Tampa Convention Center Ballroom A-C

Moderator: James R. Martin, Director, Defense Intelligence (ISP&R), Office of the Under Secretary of Defense for Intelligence

- Reinier Cruz, Deputy Director for Intelligence, Surveillance, & Reconnaissance Capabilities and Programs, U.S. Special Operations Command (USSOCOM)
- Patricia A. Guitard, Deputy CIO and Senior Advisor, Office of the G-2, U.S. Army
- Ed Lane, Deputy Director, Mission Frameworks SPO, Ground Enterprise Directorate, National Reconnaissance Office (NRO)
- Robert T. Marlin, Deputy Director of ISR Capabilities, Deputy Chief of Staff for ISR, U.S. Air Force

1030-1100

NETWORKING BREAK

Tampa Convention Center Foyer

1100-1800

EXHIBIT HALL OPEN

Tampa Convention Center East & West Exhibit Halls

1100-1145

KEYNOTE: BETTY J. SAPP, DIRECTOR, NATIONAL RECONNAISSANCE OFFICE (NRO)

Tampa Convention Center Ballroom A-C

1145-1230

KEYNOTE: DR. SUZETTE KIMBALL, ACTING DIRECTOR, U.S. GEOLOGICAL SURVEY (USGS)

Tampa Convention Center Ballroom A-C

1230-1400

LUNCH SERVED IN THE EXHIBIT HALL

Tampa Convention Center East & West Exhibit Halls

1230-1400

WOMEN IN DEFENSE LUNCHEON WITH NGA DIRECTOR LONG (SEPARATE REGISTRATION REQUIRED)

Tampa Marriott Waterside Grand Ballroom

1300-1600

GOVERNMENT PAVILION STAGE PRESENTATIONS

Tampa Convention Center Exhibit Hall, Booth 4105

1300-1330 – Online Customer Service

- Geoff Fowler, Director, Xperience Directorate, National Geospatial-Intelligence Agency (NGA)
- Mark Riccio, Director, Future Xperience, Xperience Directorate, National Geospatial-Intelligence Agency (NGA)

1330-1400 – Map of the World

- John Goolgasian, Director, Foundation GEOINT Group, Source Directorate, National Geospatial-Intelligence Agency (NGA)

1400-1430 – The Information Sharing Environment

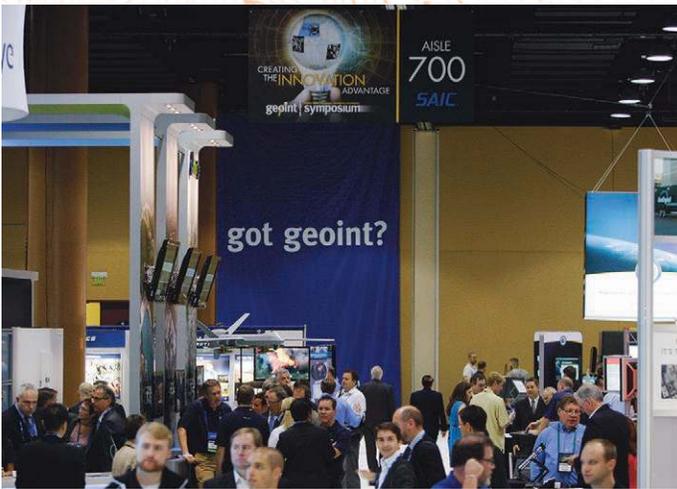
- Mike Howell, Deputy Program Manager for the Information Sharing Environment (PM ISE)

1430-1500 – Homeland Security

- David Alexander, Director, Office of Geospatial Management, Department of Homeland Security (DHS)

1500-1600 – Small Business Opportunities in the Tampa Bay Area

- Gregory Celestan, Chairman & CEO, Celestar Corp.
- BGen (Ret.) Chip Diehl, Vice President, Tampa Bay Defense Alliance
- Heather Kenyon, CEO, Tampa Bay Technology Forum (TBTF)
- Lisa Monnet, CEO, Eye C Solutions; Board Member & Membership Chair, Greater Tampa Bay Chapter of Women in Defense
- Steve Morey, Director, Business Recruitment, Tampa Hillsborough Economic Development Corp.



1400-1600
PRESENTATION: INNOVATING WITH THE DIA
Tampa Convention Center Ballroom A-C

- Gus Taveras, Chief Technology Officer, Defense Intelligence Agency (DIA)
- Dan Doney, Chief Innovation Officer, Defense Intelligence Agency (DIA)

1400-1600
**PROFESSIONAL DEVELOPMENT:
 TRAINING & EDUCATION SESSIONS**
Tampa Convention Center Meeting Rooms 18-23

- Room 18 - Introduction to GMTI Analysis: A Course for Analysts and Operations Officers
- Room 19 - The Geographic Approach and Spatial Literacy Workshop
- Room 20 - Mobile GEOINT Tradecraft
- Room 21 - The Beautiful Equations and the Sound that Saved Radar; Digital Elevation Models with a focus on the World DEM project; Defense and Intelligence Applications using Commercial SAR; and Maritime Monitoring
- Room 22-23 - Counter-Elicitation/Predictive Threat Analysis & Insider Threat Detection

1400-1600
GEOINT CERTIFICATION BLUEPRINT DROP-IN SESSION
Tampa Convention Center Meeting Rooms 24-25

1600-1800
EXHIBIT HALL NETWORKING RECEPTION
Tampa Convention Center East & West Exhibit Halls

» THURSDAY APRIL 17 AT-A-GLANCE

0800-0845	THE USGIF ARTHUR C. LUNDAHL—THOMAS C. FINNIE LIFETIME ACHIEVEMENT AWARD PRESENTATION [Tampa Convention Center Ballroom A-C]
0845-0900	MASTER OF CEREMONIES [Tampa Convention Center Ballroom A-C]
0900-0945	KEYNOTE: ADM WILLIAM H. MCRAVEN, U.S. NAVY, COMMANDER, U.S. SPECIAL OPERATIONS COMMAND (USSOCOM) [Tampa Convention Center Ballroom A-C]
0945-1030	KEYNOTE: REP. C.A. DUTCH RUPPERSBERGER, MD-2, RANKING MEMBER, HOUSE PERMANENT SELECT COMMITTEE ON INTELLIGENCE [Tampa Convention Center Ballroom A-C]
1030-1100	NETWORKING BREAK [Tampa Convention Center Foyer]
1100-1800	EXHIBIT HALL OPEN [Tampa Convention Center East & West Exhibit Halls]
1100-1130	KEYNOTE: LTG JOSEPH L. VOTEL, U.S. ARMY, COMMANDER, JOINT SPECIAL OPERATIONS COMMAND (JSOC) [Tampa Convention Center Ballroom A-C]
1130-1200	KEYNOTE: LTG RAYMOND PALUMBO, U.S. ARMY, DIRECTOR FOR DEFENSE INTELLIGENCE (WARFIGHTER SUPPORT), OFFICE OF THE UNDER SECRETARY OF DEFENSE FOR INTELLIGENCE [Tampa Convention Center Ballroom A-C]
1200-1230	KEYNOTE: ROBERT CARDILLO, DEPUTY DIRECTOR OF NATIONAL INTELLIGENCE FOR INTELLIGENCE INTEGRATION [Tampa Convention Center Ballroom A-C]
1300-1600	GOVERNMENT PAVILION STAGE PRESENTATIONS [Tampa Convention Center Exhibit Hall, Booth 4105]
1400-1600	PROFESSIONAL DEVELOPMENT: TRAINING & EDUCATION SESSIONS [Tampa Convention Center Meeting Rooms 18-25]
1400-1600	PANEL: THE GLOBAL SOF NETWORK: OPERATIONAL PLANNING FOR THE GLOBAL MISSION [Tampa Convention Center Ballroom A-C]
1600-1800	GEOINT 2013 CLOSING RECEPTION IN THE EXHIBIT HALL [Tampa Convention Center East & West Exhibit Halls]

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