



and Vice President, Special Services Division, American Systems Corporation served as emcees for the proceedings, which included:

### **Keynote Speeches**

- Lt. Gen. Keith B. Alexander, U.S. Army, National Security Agency/Chief, Central Security Service
- Col. Kenneth Allard, U.S. Army (Ret.), NBC News Commentator and Former Dean, National War College
- Mr. Thomas P.M. Barnett, Author, “The Pentagon’s New Map” and “Blueprint for Action”
- The Honorable Richard Ben-Veniste, Partner, Mayer Brown, Rowe & Maw and Former Commissioner of the 9-11 Commission
- Lt. Gen. James R. Clapper, Jr., U.S. Air Force (Ret.), Director, National Geospatial-Intelligence Agency
- Gen. Wayne Downing, U.S. Army (Ret.), Chairman, Combating Terrorism Center, U.S. Military Academy at West Point
- Gen. Michael V. Hayden, U.S. Air Force, Principal Deputy Director of National Intelligence
- Adm. James M. Loy, U.S. Coast Guard (Ret.), Senior Counselor, The Cohen Group
- The Honorable R. James Woolsey, Vice President, Booz Allen Hamilton and Former Director of Central Intelligence

### **Panel Discussions**

#### **Threats in an Area of Transformation**

Moderator: *Mr. Michael Swetnam, Chief Executive Officer, Potomac Institute for Policy Studies*

Panelists: *Mr. Charles E. Allen, Assistant Secretary for Information Analysis, Department of Homeland Security*  
*Mr. Jeffrey “Skunk” Baxter, National Security Consultant and Award-Winning Musician*  
*Dr. Thomas Fingar, Deputy Director of National Intelligence for Analysis and Chairman, National Intelligence Council*  
*Mr. John Gannon, Vice President for Analysis, BAE Systems*

The GEOINT community faces a unique set of threats in this remarkable time of change and transformation. This panel defined the types of threats we face — traditional, irregular, disruptive, and catastrophic — and challenged us to consider new threats. It also examined how the GEOINT community can best address these threats to help secure democracy.

#### **GEOINT: National Policy and Decision Making**

Moderator: *Mr. Richard L. Haver, Vice President for Intelligence Strategy, Northrop Grumman Corporation and Former Special Assistant to the Secretary of Defense for Intelligence*

Panelists: *Lt. Gen. William G. Boykin, U.S. Army, Deputy Undersecretary of Defense for Intelligence, Intelligence and Warfighting Support (I)*  
*Mrs. Mary Margaret Graham, Deputy Director for National Intelligence Collection*  
*Dr. John Stopher, Budget Director, House Permanent Select Committee on Intelligence*  
*Mr. Robert A. Weber, Director, Office of International Policy, National Geospatial-Intelligence Agency (NGA)*

The Director of National Intelligence position is one of the newest and most demanding in the government. With our nation at war, the Director's goal is to ensure that the intelligence community budget is well spent, the intelligence community is working together as a team and our community-wide analysis is objective, timely, and relevant to the nation's needs. GEOINT will play a key role in meeting the DNI's objectives. This panel discussed the value-added impact GEOINT can provide as the DNI faces the challenges of the 21st century.

### GEOINT to the Last Tactical Mile

Moderator: *Mr. Michael Thomas, Vice President and General Manager, Lockheed Martin Geospatial-Intelligence Solutions*

Panelists: *Mr. Colin Agee, Director, ISR Integration Directorate*  
*Capt. Jeffrey S. Best, U.S. Navy, Deputy Oceanographer, U.S. Navy*  
*Air Vice Marshall Stuart W. Peach, Director General, Intelligence Collection, Ministry of Defence, United Kingdom*  
*Major Gen. Charles N. Simpson, U.S. Air Force, JFCOM Requirements and Integration Directorate*  
*Brig. Gen. Dale C. "Muddy" Waters, U.S. Air Force, Military Executive, National Geospatial-Intelligence Agency*

This panel focused on the influence and responsiveness of Geospatial Intelligence to support the myriad of users – mission support, operational users, decision makers, and multiple levels of civilian government. As senior leaders across the GEOINT spectrum, panel members delivered a diversified view of present aspects and potential strategies for enhancing the operational relevance of Geospatial Intelligence in the future. Specifically, they focused on the understood requirement to provide actionable knowledge to the right place, at the right time, in the right format.

### GEOINT: Information Sharing—Industry Views

Moderator: *Ms. Joanne O. Isham, Deputy Director, National Geospatial-Intelligence Agency*

Panelists: *Dr. William L. Ballhaus, President, National Security Solutions, BAE Systems*  
*Mr. Jack Dangermond, President, ESRI*  
*Mr. Paul L. Graziani, President and CEO, Analytical Graphics, Inc.*  
*Dr. Leo A. Hazlewood, Senior Vice President and General Manager, Mission Integration Business Unit, SAIC*  
*Mr. Herbert F. Satterlee III, Chairman and Chief Executive Officer, DigitalGlobe*

### GEOINT: Information Sharing—Government Views

Moderator: *Dr. David F. McQueeney, Chief Technology Officer, IBM Federal*

Panelists: *Mr. Leroy "Tom" Bortmes, Executive Director for the Office of Intelligence, U.S. Customs and Border Protection*  
*Capt. Mark E. Gungoll, U.S. Navy, Deputy Director for Intelligence Assessments, Doctrine, Requirement and Capabilities (J2P), Joint Staff, Director of Intelligence*  
*Dr. Pete L. Rustan, Director, Advanced Systems and Technology, National Reconnaissance Office*  
*Mr. Robert S. Zitz, Special Assistant to the Director of National Security Agency*

Two panels were held on this topic--one from the government perspective and another from the industry perspective. The sheer volume of information that is flooding individuals today demands changes in how information is handled—from data ingestion through dissemination to consumers. These panels explored the convergence of technologies and data flow and examined how we can build a tighter

relationship between geospatial technologies and mainstream Information Technology (IT). The panels addressed questions such as: How can GEOINT help to organize information? How can we process all the information that is being received from all sources (e.g., satellites, communications, signals)? How do we understand all this information? The answers to these questions illuminated how we can get the right information in the right format at the right time to those who need it.

### Maintaining the Competitive Edge

Moderator: *The Honorable Martin C. Faga, President and Chief Executive Officer, The MITRE Corp.*

Panelists: *Col. Brian Cullis, U.S. Air Force, Executive Manager, Defense Installation, Spatial Data Infrastructure, Office of the Deputy Undersecretary of Defense for Installation and Environment*  
*Mr. Kevin M. O'Connell, Vice President, Intelligence Community Programs, Defense Group, Inc.*  
*Ms. Barbara Ryan, Associate Director for Geography, U.S. Geological Survey*  
*Ms. Michele Weslander, Deputy Technical Executive, National Geospatial-Intelligence Agency*

This panel discussed maintaining the advantage over our global adversaries through convergence of technology and talent. Specifically, the GEOINT community needs to ADAPT (Assess, Discuss, Analyze, Produce, and Tell) with more reliability and with greater speed. Furthermore, the community needs to support the warfighters, first responders, and national decision makers through the Intelligence Preparation of the Environment (IPE) by investing in advanced processes, convergence of architecture, and human capital.

### GEOINT Technologies and Future Opportunities for the National Security Community

Moderator: *Dr. W. Art Decker, Director, Acquisition Directorate (A), National Geospatial-Intelligence Agency*

Panelists: *Mr. Mark Reichardt, President, Open Geospatial Consortium*  
*Mr. William "Buz" Roberts, Director, Engineering Division, Office of the Chief Architect, National Geospatial-Intelligence Agency*  
*Mr. Lee R. Schwartz, Deputy Geographer, U.S. Department of State and Director, Office of the Geographer and Global Issues, State Department's Bureau of Intelligence and Research*  
*Mr. Carl Steukerjergen, Chief, Geospatial Analysis Center, Office of Transnational Issues, Central Intelligence Agency*  
*Dr. Christopher K. Tucker, President and Chief Executive Officer, IONIC Enterprise*

These panelists provided their thoughts on the 3-day scenario demonstrated at the conference. The panel examined the data, sources and INTs utilized; the technologies demonstrated during the scenario, and their implications for the geospatial intelligence community. Panelists considered interoperability innovations achieved across the various vendor technologies, as well as shortfalls observed in the handling of the scenario. Innovations and shortfalls will be considered vis-à-vis both existing practice and NGA's ultimate vision of convergence.

The United States Geospatial Intelligence Foundation is a Virginia-based nonstock, not-for-profit corporation. The Foundation is dedicated to promoting the geospatial intelligence tradecraft and developing a stronger community of interest between government, industry, academic and professional

organizations and individuals who share a mission focus around the development and application of geospatial intelligence data and geo-processing resources to address national security objectives. For more information on the Foundation, visit [www.usgif.org](http://www.usgif.org).

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