

Practical Seminar 3

JANUARY 28th 2010, 9:00-16:00

The use of aerial imagery applications has been a recognized standard for use by Intelligence agencies worldwide. The recent development of metric oblique imagery (geo-referenced, high-resolution oblique-at an angle, producing a 3-D like view) has created a renewed interest in aerial imagery applications for use by local and Federal government agencies. The technology has been implemented in over 700 local, state or Federal agencies in the United States.

Metric oblique imagery technology has far exceeded the benefits from orthogonal images. Oblique imagery can be viewed from each directional angle enabling depth perception opposed to orthogonal imagery that only provides straight vertical viewing. Further technology creates geo-coded imagery data that numerically references every point of the data. With new inventions combining high-resolution remote sensing equipment, geo-positioning/orientation hardware and specialized computer software it is now possible to capture, display and accurately measure oblique digital imagery. Although oblique imagery presents a more 3D like realistic picture, it wasn't until this technological advance that it was able to be utilized for accurate measurements as well.

This seminar will start with a look at the creation of the Department of Homeland Security and then delve into the importance of new technologies to plan, prepare and respond for a variety of scenarios from man-made or natural disasters to planning for high profile vents such as a G20 Summit, Olympics or other major event. This technology is used in localities tens of thousands of times for responding to 911 (112 or 999) calls for assistance. What is this technology and how can you use it today?

Embracing new Technologies in a post 9/11 world: A Seminar focusing on the use of Metric Oblique Imagery

- 9:00 - 9/11 And The Formation Of The Department Of Homeland Security (DHS)
 JOIN THIS SEMINAR TO LEARN ABOUT:

General Lawlor will start this seminar and discuss his personal experiences with the creation of DHS. How the Government reacted, responded and set new plans into motion including embracing new vital technologies like metric oblique imagery.

- 10:30 - CMorning Coffee

Morning Coffee

- 11:00 - The "What And How" Of Metric Oblique Imagery

- Why metric oblique imagery helps perception and the formation of a "common operational picture" - left brain/right brain activity
- Real world uses
 - Atlanta, Georgia Mutual Aid / 911 Call Centers UASI (Urban Area Security Initiative) portable emergency GIS video
 - Hurricane Katrina support to National Guard
 - Hurricane Ike (Galveston, TX)pre/post imagery
 - USMC Bases

12:15 - Lunch & Questions

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13.15 - What Advances Have Occurred And What Does The Future Hold

- Certification work of NGA, Purdue U. and USGS
- Lockheed Martin - IOD (POL), Army helo training simulators, Navy bridge simulators
- Work in progress to put cameras on military platforms for intheater / next generation Buckeye
- Army Future Combat Systems

14:30 - Afternoon Coffee

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15:30 - RAMS (Realtime Air Management System)

RAMS (Realtime Air Management System) Enabling Realtime Imagery Collection For Disaster Management.

16:00 - Panel Discussion – Q&A

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ABOUT YOUR SEMINAR LEADER:

Bruce M. Lawlor, Major General, US Army-Ret.

Former Chief of Staff of the Department of Homeland Security (DHS), former Senior Director for Protection and Prevention, White House Homeland Security Council, and the first Commanding General, Department of Defense Joint Task Force-Civil Support. Gen. Lawlor is experienced in U.S. Government homeland security policy making at the most senior levels. As DHS Chief of Staff, he managed the department's policy decision making process, coordinated department operations, and provided oversight for implementation of the DHS Secretary's decisions. While a member of the Homeland Security Council staff, he directed the development of U.S. Government strategic plans and policies, provided oversight of interagency coordination of inter- and intra-governmental programs.