

2010 WEST VIRGINIA GIS CONFERENCE  
AGENDA FOR THURSDAY, JUNE 10, 2010  
MARSHALL UNIVERSITY, HUNTINGTON, WV

## Lidar Principles and Applications Workshop

URISA Certified

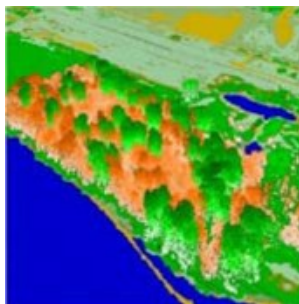
Doug Jacoby, Josh Beck

8:00 AM - 5:00 PM Room BE-5

**Abstract:** LIDAR (Light Detection And Ranging) has become a widely accepted tool to generate accurate terrain models used in a variety of GIS applications. This workshop will provide an overview of this exciting technology. A history of this advanced mapping tool will be discussed as well as a review of its current and future trends. The workshop will describe potential applications and will provide case studies of how this data has been used by agencies throughout the United States.



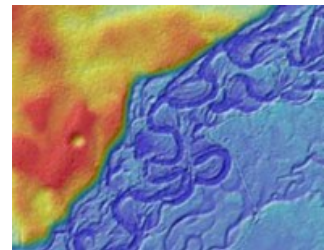
LiDAR/Bathymetry Case Study on the Yellowstone River, MT



Eagle Habitat Migration: Fusion Case Study

### Topics

- Acquisition, Filtering, Classification
- Photogrammetry and Breaklines
- Extraction, Products, Formats
- Quality Control/ Accuracy Standards
- Present and Future Applications
- Industry Trends
- Specifications and Costs
- Keys to Project Success



Multi-user and LiDAR Data Maintenance: Tallahassee, FL

## Homeland Infrastructure Foundation-Level Data (HIFLD) Seminar

Jason Barnett, HIFLD to the Regions (HTTR) Information Exchange Broker

9:00 AM -12:00 PM Room 2W22

**Abstract:** The Homeland Infrastructure Foundation-Level Database (HIFLD) Working Group (WG) was established to identify, share, and protect homeland infrastructure geospatial information used for visualization and analysis on all classification domains. It now has over 3,000 members and contributing partners focused on identifying and facilitating acquisition of authoritative homeland infrastructure geospatial data, enhancing awareness and sharing of "best of breed" processes and technology. The working group bridges the geospatial communication gap between DOD, NGA, DHS, and USGS efforts. HIFLD members and contributing partners are involved in a wide range of functions including: Critical Infrastructure Protection; Emergency Preparedness Response and Recovery; Risk Management; Decision Support; Crisis and Consequence Management, Threat Analysis; Antiterrorism/Force Protection; Defense Support to Civil Authorities; Man-Made and Natural Hazard Modeling; Continuity of Operations and Continuity of Government Planning; and Government Facilities Management.



### Topics of Discussion:

1. HIFLD and HIFLD to the Regions Overview
2. DHS Infrastructure Information Collection Division (IICD)
3. Integrated Common Analytical Viewer (iCAV), DHS Earth, Automated Critical Asset Management System (ACAMS)
4. Homeland Security Infrastructure Program (HSIP)

