



Workshop Announcement
May 25, 2011
LiDAR Concepts, Principals and Applications
Presented by Florida URISA
Cost: \$50.00

LiDAR (Light Detection And Ranging) has become 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 course will describe potential applications and will provide case studies of how this data has been used by agencies throughout the United States.

- LiDAR technology summary and how it works
- Terminology and specifications
- Airborne acquisition, mapping workflow and post processing methods
- Quality control pointers and potential error sources
- LiDAR processing software demonstration
- Future trends in the technology
- Case studies from exemplary projects

Workshop location: 840 W. 11th St Panama City, FL 32401, Human Resource (HR) training room on 2nd floor.

Return the Registration Form with payment to: **(Make Checks payable to: FLURISA)**

Scott Warner GIS Director/EM Coord.
1000 Cecil G. Costin Sr Blvd.
Bldg. 500
Port St Joe, FL 32456

Questions? Contact:
Scott Warner
(850) 229-6145
swarner@gulfcounty-fl.gov

Please register me for the LiDAR Workshop.

Name: _____ E-mail: _____

Organization: _____ Phone: _____

Title / Department: _____


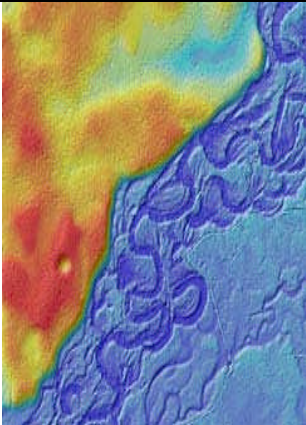
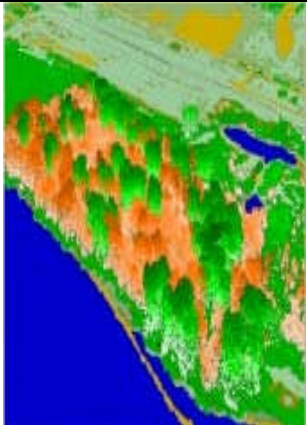
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LIDAR Principals and Applications

URISA Certified Workshop

Workshop Abstract:

LIDAR (**L**ight **D**etection **A**nd **R**anging) has become 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 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 agencies throughout the United States.

		
<p>Lidar/Bathymetry Case Study on Yellowstone River, Montana.</p>	<p>Multi-user and LiDAR Data Maintenance Case Study in Tallahassee, Florida.</p>	<p>Eagle Habitat Mitigation-Hyperspectral/LiDAR Data Fusion Case Study.</p>

Workshop Material Level:

Introductory

Workshop Agenda:

10:00 to 10:15	Attendee and Instructor Introductions
10:15 to 11:30	History, Concepts, Definitions
11:30 to 12:00	Live Data Demonstration
12:00 to 12:30	Lunch
12:30 to 1:15	Acquisition, Filtering, Classification
1:15 to 1:45	Photogrammetry and Breaklines
1:45 to 2:30	Extraction, Products and Formats
2:30 to 2:45	Case Study One
2:45 to 3:00	Quality Control (part 1)
3:00 to 3:30	Afternoon Break
3:30 to 3:45	Quality Control (part 2)
3:45 to 4:00	Case Study Two
4:00 to 4:15	Accuracy Standards
4:15 to 4:30	Industry Trends
4:30 to 4:50	Keys to Successful Projects, Specifications and Cost
4:50 to 5:00	Wrap-up, Questions, Evaluations

Instructors:

Brian Raber, CMS, GLS, GISP



Brian is a Certified Mapping Scientist – GIS with ASPRS and the Vice President of the GeoSpatial Solutions Business Unit for Merrick & Company. He has been with Merrick for over 19 years and has over 29 years of experience in the GIS, cartography and the mapping sciences.

Brian has a M.S. degree in Geography from the University of Idaho (1984), and a B.A. degree with a Geography and Cartography emphasis from West Virginia University (1980). Brian has been a member of URISA since 1987 and received his GISP certification in 2006.

Doug Jacoby, CMS, GISP



Doug is a member of URISA and received his GISP certification in 2007. He is also a representative of the GISCI certification peer review committee.

Doug is also a Certified Mapping Scientist – GIS with ASPRS and the Manager of Projects for the GeoSpatial Solutions Business Unit for Merrick & Company in Aurora, Colorado. He has been with Merrick for over 25 years and has extensive of experience in managing photogrammetry and LIDAR projects.